

	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
1. ILeeKay_49 + 2	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
2. Siagathor_47 + 2	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
3. Marchy_39 + 2	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
4. Blue_44	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
5. Burton_44 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
6. JuliaCmid_45 + 3	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
7. Pippin_47 + 3	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
8. Squee_44 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
9. Libro_45	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
10. Turf99_42 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
11. Marco3_47 + 2	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
12. Gachnar_45	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
13. GrecoEtereo_45 + 8	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
14. Jasper_46 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
15. Buttons_43	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
16. Rohn_45 + 2	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
17. Arto_42 + 4	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
18. Sunshine924_45 + 3	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
19. Romines_37 + 3	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
20. Michney_44	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
21. Zeeculate_43	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
22. Corvo_45 + 4	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
23. SpikeBT_45	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
24. Francis47_44 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
25. Pinto_45 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
26. Peterson_48	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
27. PascalRango_45 + 3	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
28. KSSJEB_43 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
29. GroundGoblin_46 + 5	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
30. Levia_42 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
31. Espresso_44 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
32. Bigfoot_41 + 2	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
33. Abrogate_440 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
34. DrFeelGood_43	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
35. Liconce_48 + 2	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
36. MaryBeth_45 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
37. MrGordo_44 + 4	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
38. Marcel_43	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
39. Rufus_45	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
40. JackSparrow_46	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
41. Barriga_45	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
42. IgnatiusPaJac_44 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
43. Atkinoua_46	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
44. Niza_47 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
45. Pita2_47 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
46. Agallana_41 + 1	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
47. Parliament_44 + 2	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
48. Bones_45 + 2	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
49. Teodonidan_43	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888
50. ProMouse_45	161	255	314	359	488	488	501	502	503	649	665	680	682	706	722	779	888	888	888

	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
51: McSinger_45 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
52: Bx01_41	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
53: Sibs6_45 + 3	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
54: Bigchung1_43 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
55: Alvin_44	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
56: Ajay_45	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
57: inyanga_42 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
58: Switzer_45 + 4	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
59: JC27_45 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
60: Beatnix_44 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
61: Raid_45	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
62: trouble_46	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
63: Bexan_43 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
64: Dexes_45	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
65: Pelly_44	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
66: KylMonks1A_47 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
67: Laminar3_45 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
68: Monet_48	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
69: Sagefire_48	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
70: Euphoria_43 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
71: Violet_42	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
72: Chanagan_42 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
73: Carlyle_44	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
74: Pelp2U12_45	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
75: QTRimeCrisis_45 + 3	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
76: Smart_47	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
77: Dussy_46 + 3	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
78: Nerujay_46	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
79: DreamCatcher_47	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
80: PowerRanger_46	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
81: Aeneas_47	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
82: Mryolo_42 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
83: StewieG_44 + 3	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
84: Lockley_44 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
85: PhernsBueler_44 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
86: Kugel_46	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
87: Doom_45	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
88: BigMau_45	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
89: BaconJack_48	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
90: Kykar_45	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
91: Magnar_44 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
92: Watermelon_46	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
93: Cueilyss_46	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
94: Bob3_42	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
95: Sandaddy_44 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
96: Fenn_46	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
97: Zephyr_44	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
98: PhrostyMug_44	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
99: Whitspit_43	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874
100: Bircsak_44 + 1	161	256	314	359	488	488	514	514	562	563	649	665	671	682	706	728	751	809	866	874

	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l01: SknPole_47 + 1	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l02: BK1_41 + 1	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l03: Onno789_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l04: Lopton_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l05: Acme_47 + 1	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l06: NEHalo_43 + 1	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l07: Seabiscuit_46	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l08: SarFire_43 + 1	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l09: Naira_46 + 1	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l10: Gandalf20_46	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l11: PinkPlastic_43	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l12: Rutherford_47	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l13: Papez_47	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l14: PattyP_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l15: Molly_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l16: Ichabod_46	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l17: RidgeCB_44	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l18: U2_43	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l19: McGuire_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l20: Freddie_46	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l21: KBG_46	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l22: Trait412_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l23: CarlmannCramer_44	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l24: MilieFeuille_41	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l25: MPlant7149_43	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l26: Marsha_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l27: Briton15_46	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l28: Mule_42	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l29: Marge_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l30: Astro_48	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l31: Pan_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l32: Smeagol_46	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l33: GageAP_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l34: UKCentral2016_43	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l35: Rebecca_44 + 1	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l36: Goose_44 + 1	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l37: Twister_42 + 2	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l38: Severus_42 + 4	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l39: DustyMartin_48 + 3	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l40: DontArgue_43	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l41: Poompha_43	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l42: Eaglepride_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l43: Edison31_43	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l44: Sham4_44 + 6	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l45: Insomnia_45 + 5	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l46: TinyTimmy_45 + 4	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l47: Aneem_45 + 4	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l48: Jabltn_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l49: Et2Brutus_44 + 1	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903
l50: Saskia_45	181	226	292	320	397	488	482	514	542	562	583	640	665	680	682	706	720	729	823	824	894	903

Pham 277677

[illegible]

[illegible]

Pham 277677

[illegible]

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601: ICleared_45	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
602: Stasia_44	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
603: Thanksgiving_44 + 1	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
604: AvatarAnPeg_44	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
605: Citron_44	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
606: Noelle_45	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
607: Pumbaa_45	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
608: Kremtemuion_45	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
609: Mundrea_44	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
610: Palestino_44	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
611: Shygu2_44	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
612: Florence4_38 + 2	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
613: George_38	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
614: MarysWei_37	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
615: Naca_39	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
616: Scorpio_40 + 1	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
617: LittleCherry_39 + 3	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
618: PeterN_40	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
619: Phlorence_37 + 3	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
620: ForGent_38 + 5	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
621: Jabiru_39	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
622: Bonamassa_39 + 1	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
623: Ghoulboy_40 + 2	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
624: UnionJack_39	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
625: Midas2_38 + 1	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
626: Micasa_40	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
627: AgentW_37	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
628: Enrigger69_39	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
629: Mlicery_39	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
630: BlueIacon_37	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
631: Airmid_39	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
632: Cucu_38	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
633: Dublin_37 + 1	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
634: Benedict_39	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
635: Linbunny_44 + 12	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
636: Isiphiwo_43	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
637: Jordennis_45	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
638: SuperCalle99_45	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
639: Indra_48 + 14	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
640: Blue7_48 + 1	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
641: Candra_45 + 9	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
642: Gladiator_45	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
643: Blinn1_48	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
644: Priamo_47	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
645: Koko_47 + 1	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
646: Gruunaga_45	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
647: Jellabunny_45	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
648: FlyCatcher_47 + 2	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
649: DroogsArmy_41	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874
650: Timshei_43	1538	236	213	333	336	339	438	492	489	5380	588	669	682	706	729	750	802	874

[illegible]

[illegible]

Pham 277677

#51: Moss_38 + 1	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#52: Ashes_38	161	2513	2303	3240	371	420	469	560	619	643	660	677	692	726	756	869	874
#53: Gumpizza_37 + 4	161	2513	2303	3240	371	420	469	560	619	643	660	677	692	726		869	874
#54: Stuu_38	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#55: Sooty_38 + 5	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#56: SpecialK_38	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#57: Soondubu_37	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#58: Exile_36	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#59: AimMach_42	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#60: Samora_36	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#61: phibT1_11	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#62: TGI_31	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#63: Shawly_33	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#64: Eurais_35	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#65: Vash_34	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#66: Lii000000_34	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#67: Sebastisaurus_36	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#68: Heather_37	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#69: RemusLoopin_36	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#70: Xkc0426_52	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#71: YDNI2_50	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#72: Abt2graduatex2_49	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#73: TP1604_48 + 1	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#74: Mischief19_57	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#75: RainyPoika_49	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#76: Salete_48 + 3	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#77: phisASDI_12	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#78: Dubu_35	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#79: Nesditt_42	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#80: AbbeyMikolon_44	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#81: Rowa_41	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#82: Frankenweenie_74	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#83: EhyElmayoE_67 + 3	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#84: Kela_63	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#85: Nirvana_71	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#86: Sais_67	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#87: Jusacaus_62	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#88: LUNA_78	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#89: AnnJongPhit_80	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#90: Fudan_141 + 1	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#91: Beleetus_139	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#92: Garnacho_133	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#93: Iaios_142	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#94: BROCK_133	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#95: Alone3_143	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#96: GiJojo_132	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#97: Bimmet_18	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#98: Spooks_19	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#99: Success_19	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874
#100: RER2_29 + 4	161	2513	2303	3240		420	469	560	619	643	660	677	692	726		869	874

501: PhamMary_35	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
502: AppleCloud_34 + 1	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
503: Natosaleda_36 + 7	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
504: Jester_36 + 2	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
505: Rhodalya_36 + 3	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
506: Partridge_36	181	258	288	316	341	378	391	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900	
507: Takoda_36	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
508: RexFury_36	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
509: Naiad_36 + 2	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
510: Gollum_36 + 2	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
511: Bradshaw_36	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
512: RGL3_31	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
513: AlpacaDOS_35	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
514: Yoncess_36	181	258	288	316	341	378	391	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900		
515: Dinger_36	181	258	288	316	341	378	391	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900	
516: AngryCactus_34	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
517: Elina_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
518: Axyn_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
519: Coda_35	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
520: Coda_35	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
521: Tails_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
522: RADOS_35	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
523: G.S. 34	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
524: Andrus_35	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
525: Braddock_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
526: Cherryan_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
527: Maywa_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
528: E.J. 36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
529: Nanchang_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
530: Zares_36 + 2	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
531: Hippo_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
532: CKK_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
533: Flex_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
534: Munia_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
535: Goldfish_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
536: Typhoid_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
537: Coda_35	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
538: Caramell_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
539: Lauer_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
540: Eliza_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
541: Cars_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
542: Yumina_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
543: E.J. 36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
544: E.J. 36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
545: E.J. 36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
546: Andrus_35	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
547: E.S. 36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
548: Rodrigo_36	181	258	288	316	341	378	391	404	419	438	453	488	522	553	618	649	665	692	728	741	769	813	832	859	884	900
549: Pons_36	181	258	288	316	341	378	391	404	419	438	453	488	5													

551: McDaz_39 + 1	71	96	52	13	97	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902
552: Yakup_H_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
553: Bionius_168	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
554: 633_43	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
555: KikoCass_36	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
556: Bavlar_44	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
557: Button_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
558: Survivor_340	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
559: Flib_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
560: MaV_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
561: Gid_39 + 1	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
562: Chidre_39 + 45	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
563: MAn_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
564: Bionius_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
565: Budd_39 + 12	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
566: Woll_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
567: St_39 + 14	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
568: Sira_39 + 45	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
569: Quas_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
570: MSc_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
571: RedB_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
572: Lucky_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
573: Marg_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
574: PolPie_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
575: Jamzy_48	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
576: GodonK_188	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
577: Phen_176	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
578: GMA2_66	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
579: Sixama_172	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
580: Boopy_173 + 3	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
581: Mercedes_34	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
582: Shee_39 + 11	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
583: McGaleon_41	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
584: TeddyBear_38 + 16	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
585: Antoinette_39 + 2	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
586: Tenda_38 + 36	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
587: Ioannes_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
588: FarmerDoug_38	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
589: Hamlet_38	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
590: AlyxandraSam_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
591: TatarkaPM_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
592: Raccoon_38	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
593: Jenos_42	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
594: Schnapsidee_38 + 1	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
595: Phriends_39 + 5	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
596: GoneGiri_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
597: Verene_39 + 3	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
598: BonesMcCoy_39 + 2	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
599: Bandik_39	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787	807	828	857	888	902					
600: Oats_38	100	176	116	298	255	288	312	396	404	424	440	496	552	588	618	628	682	692	748	766	787										

501: Renzie_39	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
502: CarisSweik_42	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
503: BigRedCimford_39 + 1	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
504: Winzigespinne_38 + 3	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
505: Chamuel_38 + 1	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
506: Redfield_38	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
507: Vispistious_39 + 4	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
508: PhillyPhantom_38	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
509: Greys_39 + 1	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
510: SororI_38 + 3	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
511: MonChoix_37	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
512: BeautPeep30_39 + 1	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
513: Endor_39	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
514: Chako_38	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
515: WildInOut_39	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
516: GardenB_38	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
517: Teagan_39	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
518: Agent005_39 + 1	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
519: Balsa_38	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
520: Thompson_39	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
521: NickSeil_37	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
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524: JasonD_41	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
525: Acosta_40	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
526: Gargoyle_39	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
527: Lealus_38	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
528: Christoph_38	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
529: Yudy_37	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
530: Juanyo_37	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
531: MimiViolent_36	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
532: Nucci_37 + 2	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
533: HairyMan_35	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
534: Quartz_38	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
535: Tinyman4_37	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
536: Ixel_38	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
537: Scissor2084_37	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
538: Schimmels22_37 + 2	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
539: WestPM_35 + 1	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
540: Andromedas_38 + 5	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
541: MCubed_38 + 3	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
542: Xebius_38	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
543: Saratos_38 + 1	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
544: Sansa_37	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
545: Pikmin_35 + 2	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
546: Lucky3_37 + 3	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
547: RenegadeRaider_39 + 1	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
548: Kauaia_37	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
549: Pherbot_37 + 1	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874
550: BouleyBm_36	98	122	140	216	255	376	388	374	410	451	561	584	617	682	701	735	781	804	829	856	874

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651: Jingles_37	207	259	308	354	415	451	480	568	630	682	722	735	804	829	834	874
652: PrincePhergus_37	207	259	308	354	415	451	480	568	630	682	722	735	804	829	834	874
653: Sinatra_37	207	221	239	276	300	333	361	393	398	419	439	460	500	518	546	574
654: Clock_37 + 1	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
655: Hasina_37 + 1	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
656: Zepp_38	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
657: Nelerthena_38	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
658: Greenivy_37 + 2	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
659: Alakazam_38	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
660: QuadZero_37	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
661: CaptainRex_37 + 1	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
662: TwoBits_36	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
663: LInTerminator_37	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
664: Wardwiii_39	131	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
665: Luna18_40 + 1	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
666: Morrigan_40	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
667: Jemerald_40 + 1	131	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
668: Chepil_40	207	239	276	300	333	361	393	398	419	439	460	500	518	546	574	614
669: WilliamStrong_38	151	207	276	302	333	353	379	415	439	460	500	518	546	574	614	654
670: Schubert_36	207	219	276	302	333	366	393	410	439	460	500	518	546	574	614	654
671: Cheeto1_39	207	219	276	302	333	366	393	410	439	460	500	518	546	574	614	654
672: GaeCe0_39 + 1	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
673: ChmPepper_40 + 4	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
674: Cashington_40	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
675: Solea_43 + 1	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
676: Stromboli_43	211	218	273	300	336	366	393	410	439	460	500	518	546	574	614	654
677: Celaena_40	211	218	273	300	336	366	393	410	439	460	500	518	546	574	614	654
678: Bachaco_40	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
679: MSUbiquitous_43 + 5	211	218	273	300	336	366	393	410	439	460	500	518	546	574	614	654
680: Avocadoman_41	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
681: Elva_44	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
682: Teagster_43	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
683: SansAte1_43 + 3	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
684: BelmontSKP_43 + 1	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
685: Swervy_43 + 1	211	218	273	300	336	366	393	410	439	460	500	518	546	574	614	654
686: KatZastrophic_41	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
687: Omicet_39 + 1	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
688: Rollins_40 + 4	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
689: Akin008_43 + 1	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
690: DooBus_41 + 1	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
691: Kate33_43	211	218	273	300	336	366	393	410	439	460	500	518	546	574	614	654
692: SanaSana_45	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
693: BabyYoda_43 + 1	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
694: Franklin22_41	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
695: Nicky22_43	141	171	210	273	300	366	393	410	439	460	500	518	546	574	614	654
696: Quenya_42	141	171	210	273	300	366	393	410	439	460	500	518	546	574	614	654
697: BAjuniper_43	141	171	210	273	300	366	393	410	439	460	500	518	546	574	614	654
698: PastaFagioli_43	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
699: Kieran_40	171	207	276	302	333	366	393	410	439	460	500	518	546	574	614	654
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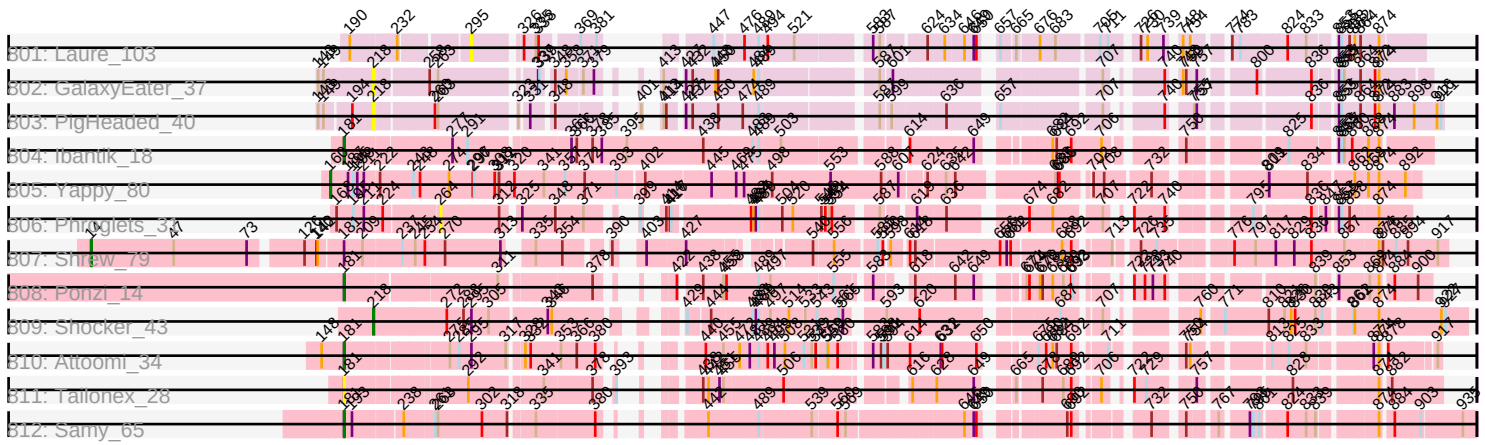
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		171	229																
r01: Softsoap_42	87	165	229																
r02: Buildak_39		71	229																
r03: BubbleBear_41		71	218																
r04: Claydas_41		71	218																
r05: Coltrane_40 + 1		71	229																
r06: DickRichards_41		71	218																
r07: FlameThrower_40		71	229																
r08: Jovita_43		71	229																
r09: CroZemni_42		71	229																
r10: FinalFrontier_43		71	229																
r11: WalkingDead_44		71	229																
r12: indyLu_42		71	229																
r13: AylexOG_44		71	229																
r14: PondAmelia_53		71	229																
r15: LimaBean_42 + 1		71	229																
r16: SarBear_42 + 1		71	229																
r17: DirtyBubble_42		71	229																
r18: Burntobowl_42		71	229																
r19: Pecas_43		71	229																
r20: Lynien_43		71	229																
r21: QMachO_45		71	229																
r22: Albright_40		71	229																
r23: SunnyD_42		71	229																
r24: AvGardian_44		71	229																
r25: Stoor_43	135	165	218																
r26: Gack_40		71	218																
r27: Eden_40		71	229																
r28: DiogenDoo_45		71	229																
r29: BabyDaisy_42		71	229																
r30: Lanqlemish_42		71	229																
r31: Kenzers_43		71	229																
r32: Shayna_42		71	229																
r33: CmiHanger_44		71	229																
r34: Floor_49	103	135	165																
r35: Cen1621_44	102	135	165																
r36: Percival_49	102	135	165																
r37: Gretchen_48	106	135	165																
r38: UtzChips_47 + 1		71	229																
r39: SuMoo_50	96	135	165																
r40: Zeta1847_40		71	229																
r41: GardenState_48 + 1	102	135	165																
r42: SuperHands_48		71	229																
r43: Honk_44		71	229																
r44: Caron_50	124	135	165																
r45: Mabodamaca_48	165	195	229																
r46: SJReid_103	135	165	229																
r47: PatBob_100	165	195	229																
r48: FloraSnap32_99	165	195	229																
r49: BooTera_95	165	195	229																
r50: Aluin_93		71	229																

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751: Rockabye_103	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
752: Bloom_103 + 2	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
753: LeoJR_98 + 1	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
754: Panchaai_95	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
755: Chmians_97	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
756: Stewart25555_90	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
757: DunneganBoMo_88	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
758: KSunshine22_93	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
759: Taira1610_99	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
760: Eliewin_90	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
761: GoldenEssence_85	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
762: Phirampa_94	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
763: FrostedClock_102	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
764: WaddieDee_86	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
765: Emmetator_91	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
766: Artu_91	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
767: CaitinAllBaroz_41	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
768: BaileyBlu_41	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
769: Jankie_40	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
770: GmEater_38	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
771: Eily_41	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
772: ChipsNGuac_51 + 58	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
773: Agamotto_41	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
774: AnnabelLee_54	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
775: Makima_42	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
776: LastVadria_43	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
777: TripleC_41	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
778: Ezurna_39	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
779: Audell_40	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
780: TMaxx_43	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
781: Studio_42	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
782: Mireles_44	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
783: Lites_61	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
784: WaterI_64	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
785: Cassita_65	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
786: BamCat_62	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
787: LeeroyJenkins_68	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
788: Dewdrop_95 + 1	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
789: Rasputia_89	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
790: Hendrix_88	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
791: A3wally_117	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
792: PauloDiaboli_117	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
793: Dodo_117	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
794: Big4_105	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
795: Zooman_100	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
796: Erasmago_107	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
797: Cece_99	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
798: PulpsteinSei_143	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
799: Huxley_143	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882
800: Triscuit_170	190	233	232	235	306	381	434	476	484	599	624	644	650	683	705	739	754	748	803	808	874	882

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

Pham 277677 Report

This analysis was run 02/07/26 on database version 634.

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

Pham number 277677 has 1584 members, 233 are drafts.

Phages represented in each track:

- Track 1 : ILeeKay_49, Fushigi_43, Sumter_42
- Track 2 : Slagathor_47, Arcanine_46, Ringer_46
- Track 3 : Marchy_39, Payneful_44, Adahisdi_44
- Track 4 : Blue_44
- Track 5 : Burton_44, Museum_45
- Track 6 : JuliaChild_45, Swole_45, TwoPeat_45, Tote_40
- Track 7 : Pippin_47, Greg_47, Fajezeel_47, Ciao_45
- Track 8 : Squee_44, Blackflame_44
- Track 9 : LilBib_45
- Track 10 : Turj99_42, Magnito_42
- Track 11 : Marco3_47, Paphu_43, Oogway_42
- Track 12 : Gachnar_45
- Track 13 : GrecoEtereo_45, GMonster_42, HanShotFirst_43, Big3_43, CactusRose_42, Paraselene_43, HarryOW_43, Tripl3t_45, Gwendoluna_47
- Track 14 : Jasper_46, Dreamboat_46
- Track 15 : Buttons_43
- Track 16 : Rohr_45, Jerm2_45, HermioneGrange_44
- Track 17 : Arlo_42, Hope4ever_46, Kanely_45, Rubeus_45, Altman_46
- Track 18 : Sunshine924_45, BPBiebs31_45, Kenmech_48, Blesser_43
- Track 19 : Homines_37, Makemake_44, ShortQueendom_39, Wheeler_45
- Track 20 : Michley_44
- Track 21 : Zeeculate_43
- Track 22 : Corvo_45, SwissCheese_46, Forsytheast_44, Bruns_43, Moose_44
- Track 23 : SpikeBT_45
- Track 24 : Francis47_44, PacerPaul_45
- Track 25 : Pinto_45, Petruchio_45
- Track 26 : Peterson_48
- Track 27 : PascalRango_45, Jorgensen_45, Norz_45, Edtherson_45
- Track 28 : KSSJEB_43, Target_45
- Track 29 : GroundGoblin_46, KikiBouba_46, Noxious_45, Hermia_46, Aldrich_45, CatBus_45
- Track 30 : Levia_42, PhineBark_44
- Track 31 : Espresso_44, EnzoK_43

- Track 32 : Bigfoot_41, Fascinus_41, Maroc7_43
- Track 33 : Abrogate_440, Perseus_45
- Track 34 : DrFeelGood_43
- Track 35 : Licorice_48, BigPaolini_45, TheloniousMonk_46
- Track 36 : MaryBeth_45, MetalQZJ_44
- Track 37 : MrGordo_44, Gyzlar_41, Crispicous1_43, Anglerfish_45, Dulcie_45
- Track 38 : Marcell_43
- Track 39 : Rufus_45
- Track 40 : JackSparrow_46
- Track 41 : Barriga_45
- Track 42 : IgnatiusPatJac_44, BluSpix_42
- Track 43 : Atkinbua_46
- Track 44 : Niza_47, Ruotula_48
- Track 45 : Pita2_47, PSullivan_44
- Track 46 : Agaliana_41, ChristmasHams_41
- Track 47 : Parliament_44, Manatee_45, BarrowTuph_45
- Track 48 : Bones_45, Eyeball_46, Rajelicia_46
- Track 49 : Teodoridan_43
- Track 50 : ProMouse_45
- Track 51 : McSinger_45, Graduation_48
- Track 52 : Bxb1_41
- Track 53 : Sibs6_45, Wilkins_44, Topgun_44, Phlippers_43
- Track 54 : Bigchungi_43, Snazzy_42
- Track 55 : Alvin_44
- Track 56 : Ajay_45
- Track 57 : Inyanga_42, Iqorha_42
- Track 58 : Switzer_45, Sanya_43, Bethlehem_44, BeesKnees_45, Dynamix_45
- Track 59 : JC27_45, Applejack_40
- Track 60 : Beatrix_44, STLscum_46
- Track 61 : Raid_45
- Track 62 : Trouble_46
- Track 63 : Bexan_43, StrongArm_44
- Track 64 : Dexes_45
- Track 65 : Pelly_44
- Track 66 : KyMonks1A_47, Ashballer_46
- Track 67 : Lamina13_45, Tasp14_46
- Track 68 : Monet_48
- Track 69 : Sagefire_48
- Track 70 : Euphoria_43, LunarLander_46
- Track 71 : Violet_42
- Track 72 : Chanagan_42, Pepe_42
- Track 73 : Carlyle_44
- Track 74 : Petp2012_45
- Track 75 : QTRlifeCrisis_45, Rhynn_44, Lesedi_42, ConceptII_46
- Track 76 : Smairt_47
- Track 77 : Dussy_46, Froghopper_43, Killigrew_44, Abbysshoes_47
- Track 78 : Nerujay_46
- Track 79 : DreamCatcher_47
- Track 80 : PowerRanger_46
- Track 81 : Aeneas_47
- Track 82 : Mryolo_42, Nhonho_45
- Track 83 : StewieG_44, Solon_44, Zeuska_44, BillKnuckles_45
- Track 84 : Lockley_44, DD5_44

- Track 85 : PherrisBueller_44, Scowl_45
- Track 86 : Kugel_46
- Track 87 : Doom_45
- Track 88 : BigMau_45
- Track 89 : BaconJack_48
- Track 90 : Kykar_45
- Track 91 : Magnar_44, Mkhusei_44
- Track 92 : Watermelon_46
- Track 93 : Cueylyss_46
- Track 94 : Bob3_42
- Track 95 : Sandaddy_44, Sorpresa_44
- Track 96 : Fenn_46
- Track 97 : Zephyr_44
- Track 98 : PhrostyMug_44
- Track 99 : Whitspit_43
- Track 100 : Bircsak_44, Gompeii16_44
- Track 101 : SkiPole_47, Seanderson_47
- Track 102 : BK1_41, A6_41
- Track 103 : Ohno789_45
- Track 104 : Lopton_45
- Track 105 : Acme_47, Hami1_39
- Track 106 : NEHalo_43, AFIS_43
- Track 107 : Seabiscuit_46
- Track 108 : SarFire_43, Thor_43
- Track 109 : Naira_46, Puppet_46
- Track 110 : Gandalf20_46
- Track 111 : PinkPlastic_43
- Track 112 : Rutherferd_47
- Track 113 : Papez_47
- Track 114 : PattyP_45
- Track 115 : Molly_45
- Track 116 : Ichabod_46
- Track 117 : RidgeCB_44
- Track 118 : U2_43
- Track 119 : McGuire_45
- Track 120 : Treddle_46
- Track 121 : KBG_46
- Track 122 : Traft412_45
- Track 123 : CartmannCramer_44
- Track 124 : MilleFeuille_41
- Track 125 : MPlant7149_43
- Track 126 : Marsha_45
- Track 127 : Briton15_46
- Track 128 : Mule_42
- Track 129 : Marge_45
- Track 130 : Alsfo_48
- Track 131 : Pari_45
- Track 132 : Smeagol_46
- Track 133 : GageAP_45
- Track 134 : OKCentral2016_43
- Track 135 : Rebeuca_44, Kristoff_44
- Track 136 : Goose_44, Chupacabra_43
- Track 137 : Twister_42, Topanga_42, WalterMcMickey_42

- Track 138 : Severus_42, Drake94_42, PeaceMeal1_42, KittenMittens_41, Trike_42
- Track 139 : DustyMartin_48, Shapes_48, Rowdy_48, RhynO_45
- Track 140 : DontArgue_43
- Track 141 : Poompha_43
- Track 142 : Eaglepride_45
- Track 143 : Edison31_43
- Track 144 : Sham4_44, Fibonacci_44, MaCh_45, Bachome_46, Petersenfast_43, Hutc2_44, Wolpertinger_43
- Track 145 : Insomnia_45, Lucivia_45, Snape_44, Orange_44, Bowtie_45, Mulciber_44
- Track 146 : TinyTimmy_45, Mabel_45, Salz_44, Timothy_45, Ebony_45
- Track 147 : Aneem_45, Munch_45, Gilberta_45, Flaverint_45, Joselito_45
- Track 148 : Jabith_45
- Track 149 : Et2Brutus_44, Kimba_45
- Track 150 : Saskia_45
- Track 151 : Bud_44
- Track 152 : Refuge_44
- Track 153 : Steamy_41
- Track 154 : Zimmer_42
- Track 155 : DARTHPhader_42
- Track 156 : Pharaoh_39
- Track 157 : Phlei_33
- Track 158 : Gail_49
- Track 159 : SororFago_48
- Track 160 : Sunhee_47
- Track 161 : Jeeves_50
- Track 162 : Luchador_50
- Track 163 : Boohoo_47, Epsocamisio_46, Soups_47, Anaysia_47, LastResort_46, Looper_47, Battleship_48, Rosalind_46, JSwag_46, ShayRa_48, KatherineG_48, Switzerland_47, ReMo_46, DekHockey33_47
- Track 164 : Remus_47, Strosahl_47
- Track 165 : Oofda_47, Waits_47
- Track 166 : Nebulosus_46
- Track 167 : Ravana_49
- Track 168 : Nedarya_43
- Track 169 : Anon_42
- Track 170 : MinecraftSteve_48
- Track 171 : Warrior24_48
- Track 172 : Elle_43
- Track 173 : EagleEye_46, Lucyedi_45
- Track 174 : PainterBoy_45
- Track 175 : 40AC_46
- Track 176 : MyraDee_40
- Track 177 : Kimona_43
- Track 178 : Crucio_44, Georgie2_45, QueenBeesly_44, SnapTap_44, FiringLine_44, SemperFi_45
- Track 179 : Dignity_46
- Track 180 : Updawg_45, Piro94_44, WideWale_45, Sknot_44, Bugsy_46, Baehexic_43, NaSiaTalie_44, Flare16_44, MiculUcigas_44, Equemioh13_45, Gratitude_44
- Track 181 : SweetiePie_44
- Track 182 : RedRock_46
- Track 183 : DudeLittle_43

- Track 184 : Jsquared_43
- Track 185 : WeiHuaDA_48
- Track 186 : Lokk_45
- Track 187 : Deloris_43
- Track 188 : Che12_47
- Track 189 : Travvers_47, D32_47, D29_44, Naji_47
- Track 190 : Adzzy_46
- Track 191 : DeerParkTS_42
- Track 192 : 20ES_45, First_0044
- Track 193 : Bradman_44, MajorMajor_44, Quokka_43
- Track 194 : Echild_44, Benvolio_41
- Track 195 : Journey13_40
- Track 196 : EvilGenius_47, ChipMunk_47
- Track 197 : Anselm_45
- Track 198 : Tristan_44
- Track 199 : Loser_46
- Track 200 : Caraxes_45, Superchunk_44
- Track 201 : Smeagan_47
- Track 202 : Miko_43
- Track 203 : Leviathan_46
- Track 204 : QueenB2_44
- Track 205 : Landor_44, Bactobuster_43
- Track 206 : Heffalump_43, Fameo_44
- Track 207 : BabyBack_43
- Track 208 : Prudy_43
- Track 209 : Odin_44
- Track 210 : Centaur_45, Terrific_47
- Track 211 : Herbertwm_42
- Track 212 : Changeling_45
- Track 213 : L5_44
- Track 214 : Kerberos_47, Duplo_47, DBQu4n_47, Pomar16_47, Tomathan_47
- Track 215 : LionsBait_46
- Track 216 : Pukovnik_43
- Track 217 : CRB1_46
- Track 218 : HarryHoudini_45
- Track 219 : AbbyPaige_46, Turbido_45, Whabigail7_45, Agape74_46, Jerm_46
- Track 220 : AnnaL29_46
- Track 221 : XianYue_44
- Track 222 : AN3_45, VA6_43
- Track 223 : TarsusIV_42
- Track 224 : ForesterFrank_44
- Track 225 : JoshKayV_46
- Track 226 : Acolyte_41
- Track 227 : EZMoney23_43
- Track 228 : C3_43, VC3_48, AN9_48, ANI8_48
- Track 229 : Malec_45, Larenn_44
- Track 230 : Power_43
- Track 231 : LilTurb_45
- Track 232 : Kalpine_44
- Track 233 : BobSwaget_44
- Track 234 : NothingSpecial_43
- Track 235 : TopsytheTRex_42
- Track 236 : ArcherNM_42

- Track 237 : Retro23_45, Dalmatian_45
- Track 238 : Iwokeuplikedis_47
- Track 239 : Colin_46
- Track 240 : NicoleTera_45
- Track 241 : Ph8s_46
- Track 242 : MissWhite_43
- Track 243 : StarStuff_47
- Track 244 : HippoHollow_44
- Track 245 : LadyBird_47
- Track 246 : SwirlSquare_48
- Track 247 : Rachaly_45
- Track 248 : Leogania_44, BiancaTri92_44
- Track 249 : GaugeLDP_43
- Track 250 : Jaan_45
- Track 251 : Trixie_44
- Track 252 : BengiVuitton_44
- Track 253 : Trooper_45
- Track 254 : Koduck_44
- Track 255 : Phaded_46
- Track 256 : IronMan_44
- Track 257 : Serenity_45
- Track 258 : KingCyrus_47
- Track 259 : Drake55_46
- Track 260 : Anthony_39
- Track 261 : FatCactus_36
- Track 262 : Kinmap_43
- Track 263 : Chargerpower_44
- Track 264 : OlanP_47
- Track 265 : MarQuardt_48, Hercules11_48, Stagni_48, Mainiac_48, Cullens_48, Gwennie_47, Wooldri_50, Beauxregard13_48, SoYo_48, StepMih_48, Marie_48, JenCasNa_49, JHC117_48, PotatoSplit_50, LBerry_49, Vix_48, Sabia_48, Dieselweasel_49, LugYA_51, Penny1_49, EpicPhail_49, BreSam8_48, Tiffany_48, Bigflo_48, Colbster_48, P28Green_49, Taurus_49, Fernando_48, MoneyMay_48, Montavir_47, Snickers_48, Phoebe_49, Anubis_51
- Track 266 : Methuselah_45, TinyPebbles_47, BuzzBuzz_46, Soshari_50, KADY_48, LarryKay_48, HashRod_49, Misomonster_49, Daishi_47, Spike509_48, Rummer_47, Louie6_47, Phoxy_48
- Track 267 : EtoileNova_45, Margo_44, Veracruz_43, Noella_44, Hookmount_44, QuinnKiro_43, Norbert_43, Texage_43, Pocahontas_44, Popcicle_44, ResDef_44, Panamaxus_42, Lambert1_44, Caviar_44, Todacoro_44
- Track 268 : Grif_48, GtownJaz_48
- Track 269 : JF2_45, MK4_45, JF4_45, B1_42
- Track 270 : PhishRPhriends_46, HaveUMetTed_49, PurpleHaze_48, Pawn_48, Heliosoles_47, Phranny_49, ACFishhook_47, Manu_48, Reba_48, Calvinny_48, Groupthink_49, Kalnoky_49, Kalb97_49, Marius_49, Gemma_47
- Track 271 : MadMarie_48
- Track 272 : Fred313_45, HelDan_45, Heathen_45, Zarafa_45, Kachowdy_45, Scout_45
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- Track 753 : LeoJr_98, ReginaGlobina_98
- Track 754 : Panchaali_95

- Track 755 : Chilliams_97
- Track 756 : Stewart25555_90
- Track 757 : DunneganBoMo_88
- Track 758 : KSunshine22_93
- Track 759 : Talia1610_99
- Track 760 : Ellewin_90
- Track 761 : GoldenEssence_85
- Track 762 : Phrampa_94
- Track 763 : FrostedClock_102
- Track 764 : WaddleDee_86
- Track 765 : Emmetator_91
- Track 766 : Artu_91
- Track 767 : CallinAllBarbz_41
- Track 768 : BaileyBlu_41
- Track 769 : Jankie_40
- Track 770 : GrimEater_38
- Track 771 : Elfy_41
- Track 772 : ChipsNGuac_41, Gerri43_41, Neuville_40, ChamoyPickle_42, CardboardBox_41, Roberts_40
- Track 773 : Agamoto_41
- Track 774 : AnnabelLee_40
- Track 775 : Makima_42
- Track 776 : LastNadia_43
- Track 777 : TripleC_41
- Track 778 : Ezurina_39
- Track 779 : Audell_40
- Track 780 : TMaxx_43
- Track 781 : Studio_42
- Track 782 : Mireles_44
- Track 783 : Lifes_61
- Track 784 : WaterT_64
- Track 785 : Cassita_65
- Track 786 : BarnCat_62
- Track 787 : LeeroyJenkins_68
- Track 788 : Dewdrop_95, Leaf_95
- Track 789 : Rasputia_89
- Track 790 : Hendrix_88
- Track 791 : A3Wally_117
- Track 792 : PauloDiaboli_117
- Track 793 : Dodo_117
- Track 794 : Big4_105
- Track 795 : Zooman_100
- Track 796 : Erasmago_107
- Track 797 : Cece_99
- Track 798 : Pumpnickel_113
- Track 799 : Huwburt_71
- Track 800 : Triscuit_70
- Track 801 : Laure_103
- Track 802 : GalaxyEater_37
- Track 803 : PigHeaded_40
- Track 804 : Ibantik_18
- Track 805 : Yappy_80
- Track 806 : Phroglets_31

- Track 807 : Shrew_79
- Track 808 : Ponzi_14
- Track 809 : Shocker_43
- Track 810 : Attoomi_34
- Track 811 : Tailonex_28
- Track 812 : Samy_65

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

The start number called the most often in the published annotations is 181, it was called in 918 of the 1351 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_45, A6_41, ACFishhook_47, AEgle_37, AFIS_43, AGrandiflora_42, AN3_45, AN9_48, ANI8_48, AbbeyMikolon_44, AbbyPaige_46, AbbysRanger_44, Abbyshoes_47, Abdiel_45, Abrogate_440, Achebe_43, Acme_47, Acolyte_41, Adahisdi_44, Adolin_40, Adumb2043_38, Adzzy_46, Aeneas_47, Agaliana_41, Agape74_46, AgentM_37, Aglet_49, AgronaGT15_47, AinMach_42, Airmid_39, Ajay_45, Alatin_36, Albee_45, Alberto7_46, Aldrich_45, Aliter_45, Alma_45, Alpacados_35, Alsfro_48, Altman_46, Alvin_44, Amploria_39, Amyev_40, Anaysia_47, Aneem_45, Anglerfish_45, AngryOrchard_34, AnnaL29_46, Annyong_45, Anon_42, Anselm_45, Anthony_39, Anubis_51, AppleCloud_34, Applejack_40, Aragog_37, Arcanine_46, ArcherNM_42, Archetta_38, Arissanae_44, Arlo_42, Artemis2UCLA_45, Arturo_44, Asa16_39, Ascela_41, Ashballer_46, Ashes_38, Astro_42, Atkinbua_46, Attoomi_34, AugsMagnumOpus_51, AvatarAhPeg_44, Avle17_45, Ayanochan_46, B1_42, BABullseye_43, BK1_41, BPBiebs31_45, Baby16_45, BabyBack_43, BabyJohn_43, BabyRay_45, Bachome_46, Backyardigan_43, BaconJack_48, Bactobuster_43, Badger_43, Baehexic_43, BangNhom_46, Barnstormer_47, Barriga_45, BarrowTuph_45, Bartimeaus_45, Battleship_48, Beatrix_44, Beaupre_37, Beauxregard13_48, Beemo_45, BeesKnees_45, Belenaria_36, Bellris_43, BellusTerra_46, Benedict_39, BengiVuitton_44, BennyP_46, Benvolio_41, Berrie_42, Bethlehem_44, Bexan_43, BiancaTri92_44, Big3_43, BigMau_45, BigPaolini_45, Bigchungi_43, Bigflo_48, Bigfoot_41, BillKnuckles_45, Bimmel_18, Bircsak_44, Blackflame_44, Blackmoor_45, BlessJoy_46, Blesser_43, Blinn1_48, BluSpix_42, Blue7_48, BlueBird_47, Blue_44, Bluefalcon_37, Bob3_42, BobSwaget_44, BobbyDazzler_36, BogosyJay_44, Bombshell_45, Bonamassa_39, Bonanza_36, Bones_45, Boohoo_47, Bowtie_45, Bradshaw_36, BreSam8_48, Briton15_46, Broseidon_45, Bruiser_44, Bruns_43, Bryce_36, BubbleTrouble_44, Bud_44, Bugatti_46, Buggy_46, Bumblebee11_43, Burger_43, Burton_44, Buttons_43, BuzzBuzz_46, Bxb1_41, Bxz2_44, C3_43, CRB1_46, CactusRose_42, Caelakin_45, Caitlin_41, Calvinny_48, Camperdownii_43, Candra_45, Cappuccino_38, Caraxes_45, Carlyle_44, Caron_50, CartmannCramer_44, Cassia_40, CatBus_45, Catalina_46, Caviar_44, Celestiallunch_43, Cen1621_44, Centaur_45, CentreCat_45, Cerulean_46, Chadwick_40, ChampagnePapi_47, Chanagan_42, Changeling_45, Chaph_45, Chargerpower_44, Charm_42, Chartreuse_45, Che12_47, ChipMunk_47, Chiqui_43, ChristmasHams_41, Chupacabra_43, Ciao_45, Cici_44, Cindaradix_42, Cintron_44, Citius_45, Clammy_46, Clarenza_44, CliffHanger_44, CloudWang3_45, Cocoaberry_45, CogOmlette_43, Colbster_48, Colin_46, Commander_45, Community_43, Conceptll_46, Connomayer_45, Conquerage_45, Conspiracy_38,

Coog_38, Cookiedough_45, Corvo_45, CosmicSans_36, Crewmate_46, Crispicious1_43, Crucio_44, Cuco_38, Cueylyss_46, Cullens_48, Cyan_41, D29_44, D32_47, DBQu4n_47, DD5_44, DaHudson_48, DaVinci_45, Daishi_47, Dalmatian_45, Danforth_42, Darrell_46, DarthPhader_42, Datway_44, Deano_44, DeerParkTS_42, DekHockey33_47, Deloris_43, Dexes_45, Dhanush_45, Dieselweasel_49, Dignity_46, Dinger_36, DirtyDunning_44, Discoknowium_37, Dixon_43, Donkey_38, DontArgue_43, Doom_45, Dorothea_45, DrFeelGood_43, DrManhattan_40, DrSierra_39, Drake55_46, Drake94_42, DreamCatcher_47, DreamTeam1_42, Dreamboat_46, DroogsArmy_41, DropBear_45, Druantia_45, Dublin_37, Dubu_35, DudeLittle_43, Dulcie_45, Duplo_47, Dussy_46, DustyMartin_48, Dynamix_45, EagleEye_46, Eagle_45, Eaglepride_45, Eapen_45, Ebony_45, Echild_44, Edison31_43, EdogawaKiddo_43, Edtherson_45, Eidsmoe_45, Elephantoon_44, Elezi_39, Elle_43, EmyBug_44, EnzoK_43, EpicPhail_49, Epsocamisio_46, Equemioh13_45, Eraser_39, EricB_45, Erik_36, Eris_44, Eros_45, Espica_36, Espresso_44, Et2Brutus_44, EtoileNova_45, Euphoria_43, Euratis_35, Eurydice_46, EvilGenius_47, Exile_36, Expelliarmus_42, ExplosioNervosa_45, Eyeball_46, Fajezeel_47, Fameo_44, Farber_48, Fascinus_41, FatCactus_36, Fayely_45, Fenn_46, Fernando_48, Fibonacci_44, FiringLine_44, First_0044, Flare16_44, Flaverint_45, Florean_45, Florence1_37, Florence4_38, Flutur_40, Flux_45, FlyCatcher_47, ForGetIt_38, ForesterFrank_44, Forsytheast_44, Francis47_44, Fred313_45, Froghopper_43, Funston_44, Fushigi_43, GMA2_66, GMonster_42, Gachnar_45, Gadost_45, GageAP_45, Gail_49, Gambol_39, Gandalf20_46, Garak_47, GaugeLDP_43, Gemma_47, George_38, Georgie2_45, Ghoulboy_40, Gilberta_45, GingkoMaracino_48, Giorgio_37, Giroux_47, Gladiator_45, GodonK_188, Gollum_36, Gompeii16_44, Goose_44, Graduation_48, Gratitude_44, GrecoEtereo_45, GreedyLawyer_45, Greg_47, Grif_48, GroundGoblin_46, Groundhog_41, Groupthink_49, Grub_48, Grum1_48, Gruunaga_45, GtownJaz_48, Gumpizza_37, Gwendoluna_47, Gwennie_47, Gyzlar_41, HINdeR_41, Halsey_38, HamSlice_44, Hami1_39, Hammer_47, HanShotFirst_43, Hanray_43, Happiness_44, Harlequin_36, HarryHoudini_45, HarryOW_43, HashRod_49, HaveUMetTed_49, Heathen_45, Heather_37, Heffalump_43, HelDan_45, Heliosoles_47, Helmet_47, Herbertwm_42, Hercules11_48, Hermia_46, HermioneGrange_44, Hexamo_45, HippoHollow_44, Hiro_36, Horex_44, Holli_44, Homines_37, Hookmount_44, Hoot_45, Hope4ever_46, HortumSL17_45, Houdini22_45, HuhtaEnerson15_39, Hutc2_44, Huxley_45, ICleared_45, ILeeKay_49, IUFootball_42, Ibantik_18, Iceman_45, Ichabod_46, Idleandcovert_46, IgnatiusPatJac_44, Indra_48, Insomnia_45, Inyanga_42, Iqorha_42, Iracema64_46, IronMan_44, Isca_44, Isiphiwo_43, Iter_41, IttyBittyPiggy_41, Iwokeuplikedis_47, JC27_45, JF2_45, JF4_45, JHC117_48, JSwag_46, Jaan_45, Jabiru_39, Jabith_45, JackSparrow_46, Janeemi_43, Jasper_46, Jaykayelowell_43, Jeeves_50, JenCasNa_49, JeppNRM_49, Jerm2_45, Jerm_46, Jester_36, JetBlade_45, JewelBug_47, Jiawan_43, Jobu08_47, Joemato_41, JohnDoe_41, JoongJeon_44, Jordennis_45, Jorgensen_45, Joselito_45, JoshKayV_46, Journey13_40, Jovo_38, Jstan_41, JuliaChild_45, KADY_48, KBG_46, KFPPoly_44, KSSJEB_43, Kachowdy_45, Kalb97_49, Kalimba_38, Kalnoky_49, Kalpine_44, Kamy_45, Kanely_45, Katalie136_44, KatherineG_48, Kaylissa_42, Kazan_46, KeAlii_40, KekoraPapaka_45, Kenmech_48, Kerberos_47, KikiBouba_46, Killigrew_44, Kimba_45, Kimona_43, KingCyrus_47, Kingmustik0402_45, Kinmap_43, Kipper29_45, KittenMittens_41, Klodlith_43, Koan_43, Koko_47, Koreni_44, Kratark_45, Kremtemulon_45, Krishelle_36, Kristoff_44, Kugel_46, KyMonks1A_47, Kyee_45, Kykar_45, LBerry_49, LHTSCC_47, LadyBird_47, Lambert1_44, Lamina13_45, Landor_44, LappelDuVide_45, Larenn_44, LarryKay_48, LastResort_46, Lego_41, Lemur_45,

LeoAvram_45, Leogania_44, Lesedi_42, Lev2_38, Levia_42, Leviathan_46, Licorice_48, LilBib_45, LilTurb_45, Lilbooboo_34, Lilbunny_44, Lilith_49, Lilleskat_43, Lillie_36, LionsBait_46, LittleB_45, LittleCherry_39, LittleGuy_45, Lizalica_39, LochMonster_46, Lockley_44, Lokk_45, London_39, LoneWolf_45, Looper_47, Lopton_45, Lorenzo_45, Loser_46, Louie6_47, Lowa_48, Luchador_50, Lucivia_45, Lucyedi_45, LugYA_51, LunarLander_46, Lunsford_46, MA5_45, MK4_45, MPlant7149_43, MaCh_45, MaGuCo_40, Mabel_45, Mabodamaca_48, MadMarie_48, Magnar_44, Magnito_42, Mainiac_48, Makemake_44, Malec_45, Malinsilva_50, Maminiaina_44, Manatee_45, Manu_48, MarQuardt_48, Marcell_43, Marchesa_45, Marchy_39, Marco3_47, Marge_45, Margo_44, Marie_48, Marius_49, Maroc7_43, Marsha_45, MaryBeth_45, MarysWell_37, Maureen_42, Maverick_45, Maxo_46, Mayonnaise_44, Mazhar510_45, McFly_45, McGuire_45, McSinger_45, Medusa_45, MeeZee_45, MegTheThird_43, Melvin_47, MetalQZJ_44, Methuselah_45, Micasa_40, Michley_44, Microwolf_48, MiculUcigas_44, Midas2_38, Miko_43, Milcery_39, MilleFeuille_41, Millski_44, MinecraftSteve_48, Minispark_43, Miramae_44, Misomonster_49, MissSwiss_41, MissWhite_43, Mkhusele_44, Molly_45, Monet_48, MoneyMay_48, Montavir_47, Moose_44, Morpher26_44, Morrow_46, Moss_38, MrGordo_44, Mryolo_42, MuchMore_51, Mudpuppy_38, Mulciber_44, Mule_42, Munch_45, Mundrea_44, Museum_45, MyraDee_40, Mysterium_37, Myxus_45, NEHalo_43, NaSiaTalie_44, Naiad_36, Naira_46, Naji_47, Nancinator_36, Natosaleda_36, NearlyHeadless_43, Nebs_46, Nebulosus_46, Nedarya_43, Neeharika16_45, Nemo27_45, Nerujay_46, Nesbitt_42, Newrala_45, Nhonho_45, NicoleTera_45, Niobe_39, Nitro_40, Niza_47, Noella_44, Noelle_45, Norbert_43, NorthStar_44, Norz_45, NotAPhaseMom_45, NothingSpecial_43, Noxious_45, Nyxis_45, OKCentral2016_43, OKaNui_45, Obama12_46, ObiToo_46, Odin_44, Ohfah_46, Ohno789_45, OlanP_47, Ollie_48, Onglai_43, Oofda_47, Oogway_42, Orange_44, P28Green_49, PGHhamlin_50, PP_46, PSullivan_44, PacerPaul_45, PackMan_44, PainterBoy_45, Palestino_44, Panamaxus_42, Papez_47, Paphu_43, Paraselene_43, Pari_45, Parliament_44, Partridge_36, PascalRango_45, PattyP_45, Pawn_48, Payneful_44, PeaceMeal1_42, Peaches_45, Pelly_44, Pembroke_48, Penny1_49, Pepe_42, Perplexer_44, Perseus_45, PeterPeter_45, Petersenfast_43, Peterson_48, PetiteSangsue_44, Petp2012_45, Petruccio_45, PetterN_40, Ph8s_46, Phacado_45, Phaded_46, Phaeder_45, PhailMary_35, Phantastic_46, Pharaoh_39, Felipe_46, Phendrix_176, PherrisBueller_44, Phighter1804_45, Phillis_44, PhineBark_44, PhishRPhriends_46, Phives_43, Phlei_33, Phlippers_43, Phlorence_37, Phoebe_49, Phonnegut_45, Phontbonne_45, Phoxy_48, Phrankensteen_36, Phranny_49, PhrostyMug_44, PickleBack_38, PinkPlastic_43, Pinto_45, Pioneer_45, Pipcraft_43, Pippin_47, Piro94_44, Pistachio_47, Pita2_47, Pixelle_41, Pmask_45, Pocahontas_44, Polymorphads_46, Polyphemus_46, Pomar16_47, Ponzi_14, Poompha_43, Popcicle_44, PotatoSplit_50, PowerRanger_46, Power_43, Powerpuff_43, Priamo_47, Prinash11_39, Priya_45, ProMouse_45, Prudy_43, Pukovnik_43, Pumbaa_45, Pumpkins_40, Puppet_46, Puppy_47, PurpleHaze_48, QTRLifeCrisis_45, Qobbit_45, QueenB2_44, QueenBeesly_44, Quenya_42, QuinnKiro_43, RER2_29, RGL3_31, Rachaly_45, Rahalelujah_44, Raid_45, Rajelicia_46, Rasputin_36, Ravana_49, ReMo_46, Reba_48, Rebeuca_44, RedRock_46, Reedo_40, Refuge_44, Relief_44, RemusLoopin_36, Remus_47, ResDef_44, Retro23_45, RexFury_36, Rhodalya_36, RhynO_45, Rhynn_44, RidgeCB_44, Rifter_47, Ringer_46, Roary_43, RockScotty_37, RockieBear_44, Rockstar_45, Rohr_45, Roksolana_46, Romney_45, Roosevelt_44, Rosa24_44, Rosalind_46, Rowa_41, Rowdy_48, Rubeus_45, Rufus_45, Ruin_45, Rummer_47, Ruotula_48, Rutherford_47, RyeScarlet_46, STLscum_46, Sabertooth_45, Sabia_48, Sabinator_47, Sabourin_42, Sachima_42, Sagefire_48, Saintus_38, Salz_44,

Samora_36, Samy_65, Sandaddy_44, Sanya_43, SarFire_43, Saskia_45, SaturnRing_46, Scamp_45, Schaffner_42, Scherzo_45, Scorpio_40, Scout_45, Scowl_45, Seabiscuit_46, Seanderson_47, Sebastisaurus_36, SemperFi_45, SenorClean_45, Serenity_45, Severus_42, Shaka_45, Sham4_44, Shapes_48, Shawty_33, ShayRa_48, Shayna_42, SheaKeira_43, Sheen_44, SheldonCooper_47, ShortQueendom_39, Shuman_36, Shygu2_44, Sibs6_45, Simpson_43, Skelbel_40, SkiPole_47, Skipitt_44, Sknot_44, Slagathor_47, Smart_47, Smeadley_43, Smeagan_47, Smeagol_46, SmellyB_45, SnapTap_44, Snape_44, Snazzy_42, Snek_40, Snickers_48, SoYo_48, SoilDragon_48, Solon_44, Soondubu_37, Sooty_38, SororFago_48, Sorpresa_44, Soshari_50, Soups_47, Sparxx_46, SpecialK_38, Spike509_48, SpikeBT_45, Spino_44, Spooks_19, Spouty_45, Squee_44, StCroix_36, Stagni_48, StarStuff_47, Stasia_44, SteMason_44, Steamy_41, StepMih_48, Stephig9_43, StewieG_44, Stink_45, StrongArm_44, Strosahl_47, Stuu_38, Subaru_40, Success_19, Sue2_42, Sultana_45, Sumter_42, Sunhee_47, SunnyD_42, Sunshine924_45, SuperAwesome_45, SuperCallie99_45, Superchunk_44, Swann_36, SweetiePie_44, SwirlSquare_48, Swirley_41, SwissCheese_46, Switzer_45, Switzerland_47, Swole_45, SydNat_40, TG1_31, TNguyen7_46, TWAMP_36, Tailonex_28, Takoda_36, Tallboi_40, Taquarus_45, Target_45, Tarynearal_37, Tasp14_46, Taurus_49, Tbone_40, Teagster_43, Temprado_46, Teodoridan_43, Terrific_47, Texage_43, TforTroy_42, Thanksgivukkah_44, Theia_36, TheloniousMonk_46, Thor_43, ThursdayNight_44, Tian_39, Tiffany_48, Tiger_37, Timothy_45, Timshel_43, TinaFeyge_45, TinyPebbles_47, TinyTimmy_45, Tinybot_44, TipsytheTRex_42, TiroTheta9_45, Todacoro_44, Tomathan_47, ToneTone_42, Topanga_42, Topgun_44, Toro_45, Tote_40, Traft412_45, Travvers_47, Treddle_46, Trike_42, Tripl3t_45, Tristan_44, Trixie_44, Trouble_46, TroyPia_46, Tubs_45, Tuck_44, Tucker_46, Turab_38, Turbido_45, Turj99_42, Tutumahutu_42, Tweety19_41, Twigg_39, Twister_42, TwoPeat_45, TygerBlood_45, U2_43, Ugenie5_42, UhSalsa_36, Ulysses_44, UnionJack_39, Updawg_45, UtzChips_47, VA6_43, VC3_48, VResidence_41, Vanisoa_44, Vash_34, Veracruz_43, Violet_42, Vix_48, VohminGhazi_45, Waits_47, WalterMcMickey_42, Wander_45, Warda_41, Warrior24_48, Watermelon_46, Watson_48, WeiHuaDA_48, Whabigail7_45, Wheeler_45, Whitspit_43, WideWale_45, Wiks_44, Wilbur_45, Wildwest_40, Wile_44, Wilkins_44, Wizard007_45, Wolpertinger_43, Wooldri_50, WorldCup_43, WunderPhul_45, Xena_43, XianYue_44, Yecey3_46, YesChef_41, YoSam321_45, Yogi_36, Yokurt_45, Yoncess_36, Zaka_45, Zarafa_45, Zeeculate_43, Zephyr_44, Zetzy_47, Zeuska_44, Zimmer_42, Zolita_39, Zulu_46, phiBT1_11, phiSASD1_12,

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

- 40AC_46, ElTiger69_39, Jeffabunny_45, JuneStar_42, Liebe_42, Naca_39, Shrew_79, Yang_41,

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

- 8UZL_44, A3Wally_117, Abigail_42, Abt2graduatex2_49, Acosta_40, Adat_36, Agamotto_41, Agatha_43, Agente005_39, AikoCarson_44, Akino08_43, Alakazam_38, Albedo_43, Albright_40, AlexAdler_39, Alone3_143, Alyxandracam_39, Amavida_56, Amigo_55, Amok_44, Anansi_54, AndPeggy_40, Andromedas_38, Anilorac_39, AnnaLie_43, AnnabelLee_40, Antoinette_39, AranulaLuti_38, Armstrong_40, Arroyo_43, Artu_91, Asis_48, Asta_38, Atuin_93, Aubergine_38, Audell_40, AvGardian_44, Avocadoman_41, AxiPup_39, Axym_42, AylexOG_44, Azira_40, BAjuniper_43, BRock_133, BabyDaisy_42, BabyGotBac_49, BabyYoda_43, Bachaco_40, BaileyBlu_41, Baines_38, Balloona_44, Balsa_38, Bandik_39, BarnCat_62, BaronJohn_38, Bavidard_44, BayC_48, BeautPeep30_39,

BeeBee8_39, Beleetus_139, BelmontSKP_43, Bengal_43, Benjalauren_39, Bernstein_40, Big4_105, BigChungus_44, BigRedClifford_39, BillDoor_43, Biskit_45, Blage_39, Blondies_46, Bloom_103, BlueNGold_170, Boersma_57, BonesMcCoy_39, Bonino_38, BooTeria_95, Boopy_173, BouleyBill_36, Brad_36, Bradman_44, Brahms_40, BubbaBear_41, Bubble_41, Buldak_39, Burnsey_43, Burritobowl_42, Bustleton_37, Button_46, Buttrmlkdreams_45, Byron23_39, Calix_38, CallinAllBarbz_41, CanesSauce_42, CaptainRex_37, CaramelLatte_42, CardboardBox_41, CarisSwetlik_42, Carostasia_37, Carsonalex_46, Casey_35, Cashington_40, Casserole_35, Cassita_65, Cece_99, Celaena_40, Chako_38, ChamoyPickle_42, Chamuel_38, Cheeto1_39, Chepli_40, CherryonLim_46, ChickenKing_38, ChickenTender_45, ChikPic_38, ChiliPepper_40, Chilliams_97, ChipsNGuac_41, ChocoMunchkin_42, Christoph_38, Clancy_38, Clayda5_41, Cleo_38, Clock_37, CocoaPuff_45, ColaCorta_38, Coltrane_40, Convict_39, CoraRita_39, Cozz_41, CroZenni_42, CupcakePrincess_43, Dave_39, Delphidian_39, Den3_39, Dewdrop_95, DickRichards_41, Didgeridoo_45, DirtyBubble_42, Dismas_40, Dodo_117, Doobus_41, Dothraki_39, Dre3_38, DunneganBoMo_88, Duocatuli_38, EZMoney23_43, Eden_40, EhyElimayoE_67, ElJefes_46, Eleri_38, Elfy_41, Elinal_48, Elliott_43, Ellewin_90, Elva_44, Emalyn_42, Emmetator_91, Emotion_46, Endor_39, Erasmago_107, Erla_38, Espinosa_38, Etna_38, Etta_38, Eula_43, Exploradora_38, Ezurina_39, FF47_43, FarmerDoug_38, Feastonyeet_44, Figueroism_39, Finalfrontier_43, Finny_38, FiveHead_49, FlameThrower_40, Floof_49, FloraSnap32_99, Forza_174, Frankenweenie_74, Franklin22_41, Fribs8_39, FrostedClock_102, Fudan_141, Fulton_37, GTE2_35, Gack_40, GaeCeo_39, GalaxyEater_37, GardenB_38, GardenState_48, Garey24_38, Gargoyle_39, Garnacho_133, Gelo_38, Gerri43_41, Gershwin_38, GiJojo_132, GiKK_48, Gibbous_38, Glamour_37, GoingMerry_39, GoldHunter_44, GoldenEssence_85, Golden_37, GoneGirl_39, Gorgeous_54, GreenIvy_37, Gretchen_48, Greys_39, GrimEater_38, Gubbabump_38, Guetzie_37, GurgleFerb_36, HairyMan_35, Hamlet_38, HanSolo_38, HankSprout_39, Hasitha_37, Hendrix_88, HerculesXL_37, Hexbug_51, Heylee_57, HippoPololi_40, Honk_44, Horseradish_45, HungryHenry_38, Huwburt_71, IAmGroot_48, Icarián_45, Ichor_55, Ilzat_38, IndyLu_42, Inventa_39, Ioannes_39, Ixel_38, Jabb_43, JacoRen57_40, Jaek_55, Jamzy_48, Jankie_40, Janus167_38, JasmineDragon_45, Jasmine_38, JasonD_41, JasperRussell_38, Jemerald_40, Jenos_42, Jerbirus_39, JeriBeth_39, Jingles_37, JohnThicc_48, Johnathan_41, Jovita_43, Jsquared_43, Juanyo_37, Juicer_40, JustBecause_62, KSunshine22_93, Kale_38, Kamdara_40, KannH_38, KatChan_40, Kate33_43, Katzastrophic_41, Kauala_37, Kavo_36, KayGee_46, Kela_63, KellyGreen_39, Kenzers_43, Keziacharles14_44, Kieran_40, KimJongPhill_80, KingJulien_38, Klimt_38, Knox_39, Koduck_44, Koji_37, Kouch_39, Kradal_67, Kurt1_39, L5_44, LadyAstra_48, LadyJasley_40, Lahqtemish_42, LastNadiia_43, Lauer_41, Laure_103, Leaf_95, Leafus_38, LeeroyJenkins_68, LeoJr_98, Librie_37, Lifes_61, LiTerminator_37, Lilo27_43, LimaBean_42, Lovelyunicorn_39, Loviatar_43, Lucky3_37, LuckySocks_138, Ludgate_39, Luna18_40, Lynlen_43, MAnor_46, MCubed_38, MScarn_47, MaVan_40, Maco6_42, MaeLinda_39, Maih_47, MajorMajor_44, Makima_42, ManRay_38, Mandalorian_37, Mareelih_171, Margaret_49, Martin_40, Mayweather_49, McDazzle_47, McGalleon_41, Mercedes_34, Merida02_40, MillyPhilly_39, Milomuff_43, Mimi_99, MiniMommy_44, MiniVolent_36, Mireles_44, Mischief19_57, Molivia_56, MonChoix_37, Morrigan_40, MrWorldwide_39, MsUbiquitous_43, Muddy_44, MunkgeeRoachy_41, Nagem_39, Nattles_38, Nebulous_37, Neferthema_38, Nellie_36, Neuvillelette_40, Nibbles_39, NickSell_39, Nicky22_43, Nina_42, Nirvana_71, NoShow_52, Nodigi_51, Nucci_37, Oats_38, OldNelly_39, Olliecat_39, Origami_47, Orla_51, Oxtober96_39, PSirce_38, Pajaza_35, Panchaali_95,

Papafritta_38, ParleG_39, PastaFagioli_43, Patbob_100, PauloDiaboli_117, Pecas_43, Peep_39, Penta_35, Peppino_38, Percival_49, Phanita_38, Pherbot_37, Pherferi_39, Phiderman_39, PhigPhack_43, PhillyPhantom_38, Phireproof_39, Phisb_43, Phrampa_94, PhredFlintston_39, Phriends_39, Phroglets_31, PigHeaded_40, Pikmin_35, Pocket_38, PondAmelia_53, Pons_46, PotPie_44, PrincePhergus_37, PsychoKiller_42, Pumpernickel_113, PuppyEggo_39, QMacho_45, QuadZero_37, Quantum_66, Quartz_38, Quasar_43, Quokka_43, RADical_44, RSchmailz_44, Raccoon_38, Racecar_100, RainyPolka_49, RanchParmCat_48, Rapheph_39, Raptor_39, Rasputia_89, RedBaron_45, Redfield_38, ReginaGlobina_98, RenegadeRaider_39, Renzie_39, Rings_55, Riyhil_39, Roberts_40, Robinson_39, Rockabye_103, Rog141_38, Rollins_40, Rona_40, RosieMae_38, SJReid_103, SJay_39, Salete_48, SanaSana_45, SansAfet_43, Sansa_37, SarBear_42, Saratos_38, Sarkar_71, Satis_67, Schimmels22_37, Schnapsidee_38, Schubert_36, Scissor2024_37, Sedgewig_38, ShaiHulud_39, ShakeltOph_45, Shamu_38, Sharkboy_41, SheckWes_48, Shee_39, Shocker_43, Sinatra_37, SirBeanington_42, SirVictor_37, Sixama_172, SketchMex_43, Skylord_40, Slay_43, Socotra_44, Softsoap_42, SoilGremlin_39, Solea_43, SolidSnake_40, SonOfLevi_38, Sopespian_41, SorJuana_54, Soror1_38, Squirrel_39, Stanktossa_39, Starburst_43, SteamedHams_43, Stewart25555_90, StingRay_38, StirfryIV_38, Stoor_43, Stormbreaker8_38, Strathdee_39, Stromboli_43, Studio_42, SuMoo_50, SummitAcademy_44, SuperHands_48, Superfresh_39, Survivors_40, SweatNTears_44, Swervy_43, Symere_38, TMaxx_43, TP1604_48, Talia1610_99, Talos_142, TarsusIV_42, TatarkaPM_39, Teagan_39, TeddyBear_38, Tenda_38, Thompsone_39, Thorongil_39, Thunderclap_54, TinSulphur_39, Tinyman4_37, Toaka_44, Tolls_44, TripleC_41, Triscuit_70, Troje_45, Trooper_45, TukTuk_43, TwoBits_36, Typhonomachy_42, Velene_39, Vine_47, Vispistious_39, Vitas_40, VroomVroom_45, WaddleDee_86, WalkingDead_44, Wardwill_39, WaterT_64, WestPM_35, WildNOut_39, WilliamStrong_38, Winzigespinne_38, Wolfwood_42, Xebius_38, Xkcd426_52, YDN12_50, Yakult_46, Yappy_80, Yarn_40, Yeezus_55, Yucky_47, Yummy_45, YuuY_37, Zada_39, Zareef_40, Zayuliv_37, Zenitsu_38, Zepp_38, Zeta1847_40, Zooman_100, Zuko_78,

Summary by start number:

Start 7:

- Found in 2 of 1584 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Zuko_78 (BR),

Start 13:

- Found in 2 of 1584 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1351
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Huwbert_71 (GG), Triscuit_70 (GG),

Start 14:

- Found in 1 of 1584 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shrew_79 (singleton),

Start 20:

- Found in 31 of 1584 (2.0%) of genes in pham
- Manual Annotations of this start: 19 of 1351
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agatha_43 (CT), Axym_42 (CT), BillDoor_43 (CT), Biskit_45 (CT), Blondies_46 (CT), Bubble_41 (CT), Burnsey_43 (CT), Buttrmlkdreams_45 (CT), Carsonalex_46 (CT), ChickenTender_45 (CT), Cozz_41 (CT), Elliott_43 (CT), GTE2_35 (CT), GoldHunter_44 (CT), Horseradish_45 (CT), MScarn_47 (CT), MunkgeeRoachy_41 (CT), Nina_42 (CT), PsychoKiller_42 (CT), Quasar_43 (CT), RADical_44 (CT), RSchmailz_44 (CT), RedBaron_45 (CT), SketchMex_43 (CT), Socotra_44 (CT), Sopespian_41 (CT), Starburst_43 (CT), SweatNTears_44 (CT), Troje_45 (CT), Typhonomachy_42 (CT), Yummy_45 (CT),

Start 21:

- Found in 2 of 1584 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 50.0% of time when present
- Phage (with cluster) where this start called: KimJongPhill_80 (BR),

Start 25:

- Found in 5 of 1584 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 40.0% of time when present
- Phage (with cluster) where this start called: FF47_43 (AB), HippoPololi_40 (CT),

Start 26:

- Found in 31 of 1584 (2.0%) of genes in pham
- Manual Annotations of this start: 25 of 1351
- Called 93.5% of time when present
- Phage (with cluster) where this start called: AikoCarson_44 (CT), Amok_44 (CT), AndPeggy_40 (CT), Azira_40 (CT), Button_46 (CT), CanesSauce_42 (CT), CaramelLatte_42 (CT), ChocoMunchkin_42 (CT), Cleo_38 (CT), Dre3_38 (CT), Emalyn_42 (CT), Fribs8_39 (CT), GiKK_48 (CT), Gibbous_38 (CT), Hexbug_51 (CT), Jamzy_48 (CT), MaVan_40 (CT), Margaret_49 (CT), Nibbles_39 (CT), Nodigi_51 (CT), Orla_51 (CT), RanchParmCat_48 (CT), SteamedHams_43 (CT), Survivors_40 (CT), Tolls_44 (CT), Wolfwood_42 (CT), Yakult_46 (CT), Yarn_40 (CT), Zareef_40 (CT),

Start 27:

- Found in 19 of 1584 (1.2%) of genes in pham
- Manual Annotations of this start: 14 of 1351
- Called 94.7% of time when present
- Phage (with cluster) where this start called: Balloona_44 (CT), Bavidard_44 (CT), BigChungus_44 (CT), CherryonLim_46 (CT), CocoaPuff_45 (CT), Elinal_48 (CT), Feastonyet_44 (CT), KayGee_46 (CT), Lauer_41 (CT), MANor_46 (CT), Mayweather_49 (CT), McDazzle_47 (CT), Pons_46 (CT), PotPie_44 (CT), SheckWes_48 (CT), SummitAcademy_44 (CT), Vine_47 (CT), Yucky_47 (CT),

Start 32:

- Found in 3 of 1584 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 33.3% of time when present
- Phage (with cluster) where this start called: NoShow_52 (AB),

Start 35:

- Found in 26 of 1584 (1.6%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 3.8% of time when present
- Phage (with cluster) where this start called: JacoRen57_40 (AB),

Start 36:

- Found in 29 of 1584 (1.8%) of genes in pham
- No Manual Annotations of this start.
- Called 3.4% of time when present
- Phage (with cluster) where this start called: ElJefes_46 (CT),

Start 37:

- Found in 6 of 1584 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 33.3% of time when present
- Phage (with cluster) where this start called: 8UZL_44 (AB), Muddy_44 (AB),

Start 45:

- Found in 8 of 1584 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Maco6_42 (AB),

Start 59:

- Found in 1 of 1584 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 40AC_46 (A17),

Start 91:

- Found in 2 of 1584 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 50.0% of time when present
- Phage (with cluster) where this start called: JuneStar_42 (AZ1),

Start 102:

- Found in 8 of 1584 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Liebe_42 (AZ2),

Start 119:

- Found in 2 of 1584 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 50.0% of time when present
- Phage (with cluster) where this start called: TatarkaPM_39 (EA1),

Start 124:

- Found in 5 of 1584 (0.3%) of genes in pham
- Manual Annotations of this start: 4 of 1351
- Called 80.0% of time when present

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

Start 126:

- Found in 9 of 1584 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Yang_41 (AZ1),

Start 140:

- Found in 132 of 1584 (8.3%) of genes in pham
- Manual Annotations of this start: 3 of 1351
- Called 2.3% of time when present
- Phage (with cluster) where this start called: Chako_38 (EA1), Chamuel_38 (EA1), SonOfLevi_38 (EA1),

Start 142:

- Found in 142 of 1584 (9.0%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 0.7% of time when present
- Phage (with cluster) where this start called: JasonD_41 (EA1),

Start 152:

- Found in 6 of 1584 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1351
- Called 33.3% of time when present
- Phage (with cluster) where this start called: ElTiger69_39 (A5), Naca_39 (A5),

Start 157:

- Found in 15 of 1584 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Jeffabunny_45 (A6),

Start 158:

- Found in 22 of 1584 (1.4%) of genes in pham
- Manual Annotations of this start: 13 of 1351
- Called 59.1% of time when present
- Phage (with cluster) where this start called: Amavida_56 (AQ), Amigo_55 (AQ), Anansi_54 (AQ), Boersma_57 (AQ), Gorgeous_54 (AQ), Heylee_57 (AQ), Ichor_55 (AQ), Jaek_55 (AQ), Molivia_56 (AQ), Rings_55 (AQ), SorJuana_54 (AQ), Thunderclap_54 (AQ), Yeezus_55 (AQ),

Start 160:

- Found in 1 of 1584 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Yappy_80 (singleton),

Start 167:

- Found in 9 of 1584 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 88.9% of time when present

- Phage (with cluster) where this start called: CardboardBox_41 (FR), ChamoyPickle_42 (FR), ChipsNGuac_41 (FR), Ezurina_39 (FR), Gerri43_41 (FR), Neuville_40 (FR), Roberts_40 (FR), Studio_42 (FR),

Start 168:

- Found in 46 of 1584 (2.9%) of genes in pham
- Manual Annotations of this start: 7 of 1351
- Called 15.2% of time when present
- Phage (with cluster) where this start called: Armstrong_40 (EB), Bernstein_40 (EB), Brahms_40 (EB), Coltrane_40 (EB), Rollins_40 (EB), Skylord_40 (EB), Vitas_40 (EB),

Start 171:

- Found in 81 of 1584 (5.1%) of genes in pham
- Manual Annotations of this start: 61 of 1351
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Abigail_42 (EB), Akino08_43 (EB), Albedo_43 (EB), Albright_40 (EB), AnnaLie_43 (EB), Arroyo_43 (EB), AvGardian_44 (EB), Avocadoman_41 (EB), AylexOG_44 (EB), BAjuniper_43 (EB), BabyDaisy_42 (EB), BabyYoda_43 (EB), Bachaco_40 (EB), BelmontSKP_43 (EB), Bengal_43 (EB), BubbaBear_41 (EB), Burritobowl_42 (EB), Cashington_40 (EB), Celaena_40 (EB), ChiliPepper_40 (EB), Clayda5_41 (EB), CroZenni_42 (EB), CupcakePrincess_43 (EB), DickRichards_41 (EB), Didgeridoo_45 (EB), DirtyBubble_42 (EB), Dismas_40 (EB), Doobus_41 (EB), Eden_40 (EB), Elva_44 (EB), Eula_43 (EB), Finalfrontier_43 (EB), FlameThrower_40 (EB), Franklin22_41 (EB), Gack_40 (EB), Icarian_45 (EB), IndyLu_42 (EB), Jabba_43 (EB), Johnathan_41 (EB), Jovita_43 (EB), Kamdara_40 (EB), Kate33_43 (EB), Katzastrophic_41 (EB), Kenzers_43 (EB), Kieran_40 (EB), Lahqtemish_42 (EB), Lilo27_43 (EB), LimaBean_42 (EB), Loviatar_43 (EB), Lynlen_43 (EB), Milomuff_43 (EB), MsUbiquitous_43 (EB), Nicky22_43 (EB), Pecas_43 (EB), PhigPhack_43 (EB), Phisb_43 (EB), PondAmelia_53 (EB), QMacho_45 (EB), Rona_40 (EB), SanaSana_45 (EB), SansAfet_43 (EB), SarBear_42 (EB), Sharkboy_41 (EB), SirBeanington_42 (EB), Slay_43 (EB), Softsoap_42 (EB), Solea_43 (EB), Stoor_43 (EB), Stromboli_43 (EB), Swervy_43 (EB), TukTuk_43 (EB), WalkingDead_44 (EB),

Start 172:

- Found in 24 of 1584 (1.5%) of genes in pham
- Manual Annotations of this start: 3 of 1351
- Called 29.2% of time when present
- Phage (with cluster) where this start called: Agamotto_41 (FR), Buldak_39 (EB), Makima_42 (FR), Mireles_44 (FR), Olliecat_39 (EB), Squirrel_39 (EB), TMaxx_43 (FR),

Start 174:

- Found in 12 of 1584 (0.8%) of genes in pham
- Manual Annotations of this start: 2 of 1351
- Called 33.3% of time when present
- Phage (with cluster) where this start called: AnnabelLee_40 (FR), Audell_40 (FR), LastNadia_43 (FR), TripleC_41 (FR),

Start 175:

- Found in 4 of 1584 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 1351
- Called 75.0% of time when present

- Phage (with cluster) where this start called: A3Wally_117 (GD1), Cece_99 (GD3), Dodo_117 (GD1),

Start 177:

- Found in 4 of 1584 (0.3%) of genes in pham
- Manual Annotations of this start: 3 of 1351
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Big4_105 (GD2), Erasmago_107 (GD2), Pumpnickel_113 (GD4), Zooman_100 (GD2),

Start 180:

- Found in 34 of 1584 (2.1%) of genes in pham
- Manual Annotations of this start: 21 of 1351
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BaileyBlu_41 (FP), Bradman_44 (A2), CallinAllBarbz_41 (FP), EZMoney23_43 (A2), Elfy_41 (FP), Emotion_46 (AZ4), FiveHead_49 (AZ4), Floof_49 (EH), GardenState_48 (EH), Gretchen_48 (EH), GrimEater_38 (FP), Honk_44 (EH), IAmGroot_48 (EH), Jankie_40 (FP), JasmineDragon_45 (AZ4), JohnThicc_48 (AZ4), Jsquared_43 (A2), Keziacharles14_44 (A9), Koduck_44 (A2), L5_44 (A2), LadyAstra_48 (AZ4), MajorMajor_44 (A2), MiniMommy_44 (AZ4), Origami_47 (AZ4), Percival_49 (EH), Quokka_43 (A2), ShakeltOph_45 (AZ4), SuMoo_50 (EH), SuperHands_48 (EH), TarsusIV_42 (A2), Toaka_44 (A9), Trooper_45 (A2), VroomVroom_45 (AZ4), Zeta1847_40 (EH),

Start 181:

- Found in 1049 of 1584 (66.2%) of genes in pham
- Manual Annotations of this start: 918 of 1351
- Called 99.2% of time when present
- Phage (with cluster) where this start called: 20ES_45 (A2), A6_41 (A1), ACFishhook_47 (A3), AEgle_37 (AZ1), AFIS_43 (A1), AGrandiflora_42 (AZ1), AN3_45 (A2), AN9_48 (A2), ANI8_48 (A2), AbbeyMikolon_44 (BL), AbbyPaige_46 (A2), AbbysRanger_44 (A4), Abbyshoes_47 (A1), Abdiel_45 (A4), Abrogate_440 (A1), Achebe_43 (A4), Acme_47 (A1), Acolyte_41 (A2), Adahisdi_44 (A1), Adolin_40 (AZ1), Adumb2043_38 (AZ1), Adzzy_46 (A2), Aeneas_47 (A1), Agaliana_41 (A1), Agape74_46 (A2), AgentM_37 (A5), Aglet_49 (A3), AgronaGT15_47 (A3), AinMach_42 (AZ7), Airmid_39 (A5), Ajay_45 (A1), Alatin_36 (CA), Albee_45 (A4), Alberto7_46 (A4), Aldrich_45 (A1), Aliter_45 (A9), Alma_45 (A9), Alpacados_35 (CA), Alsfro_48 (A1), Altman_46 (A1), Alvin_44 (A1), Amploria_39 (AZ1), Amyev_40 (AZ1), Anaysia_47 (A15), Aneem_45 (A11), Anglerfish_45 (A1), AngryOrchard_34 (CA), AnnaL29_46 (A2), Annyong_45 (A4), Anon_42 (A15), Anselm_45 (A2), Anthony_39 (A20), Anubis_51 (A3), AppleCloud_34 (CA), Applejack_40 (A1), Aragog_37 (A5), Arcanine_46 (A1), ArcherNM_42 (A2), Archetta_38 (A5), Arissanae_44 (A9), Arlo_42 (A1), Artemis2UCLA_45 (A6), Arturo_44 (A4), Asa16_39 (AZ1), Ascela_41 (AZ1), Ashballer_46 (A1), Ashes_38 (AZ5), Astro_42 (A8), Atkinbua_46 (A1), Attoomi_34 (singleton), AugsMagnumOpus_51 (A3), AvatarAhPeg_44 (A4), Avle17_45 (A4), Ayanochan_46 (A9), B1_42 (A3), BABullseye_43 (A6), BK1_41 (A1), BPBiebs31_45 (A1), Baby16_45 (A4), BabyBack_43 (A2), BabyJohn_43 (A3), BabyRay_45 (A3), Bachome_46 (A11), Backyardigan_43 (A4), BaconJack_48 (A1), Bactobuster_43 (A2), Badger_43 (A4), Baehexic_43 (A2), BangNhom_46 (A4), Barnstormer_47 (EH), Barriga_45 (A1), BarrowTuph_45 (A1), Bartimeaus_45 (A4), Battleship_48 (A15), Beatrix_44 (A1), Beaupre_37 (AZ5), Beauxregard13_48 (A3), Beemo_45 (A9), BeesKnees_45 (A1), Belenaria_36 (CA), Bellris_43 (A9), BellusTerra_46 (A4),

Benedict_39 (A5), BengiVuitton_44 (A2), BennyP_46 (A6), Benvolio_41 (A2), Berrie_42 (AZ1), Bethlehem_44 (A1), Bexan_43 (A1), BiancaTri92_44 (A2), Big3_43 (A1), BigMau_45 (A1), BigPaolini_45 (A1), Bigchung_43 (A1), Bigflo_48 (A3), Bigfoot_41 (A1), BillKnuckles_45 (A1), Bimmel_18 (BT), Bircsak_44 (A1), Blackflame_44 (A1), Blackmoor_45 (A4), BlessJoy_46 (A6), Blesser_43 (A1), Blinn1_48 (A6), BluSpix_42 (A1), Blue7_48 (A6), BlueBird_47 (A3), Blue_44 (A1), Bluefalcon_37 (A5), Bob3_42 (A1), BobSwaget_44 (A2), BobbyDazzler_36 (CA), BogosyJay_44 (A9), Bombshell_45 (A4), Bonamassa_39 (A5), Bonanza_36 (CA), Bones_45 (A1), Boohoo_47 (A15), Bowtie_45 (A11), Bradshaw_36 (CA), BreSam8_48 (A3), Briton15_46 (A1), Broseidon_45 (A4), Bruiser_44 (A4), Bruns_43 (A1), Bryce_36 (CA), BubbleTrouble_44 (A4), Bud_44 (A11), Bugatti_46 (A3), Buggy_46 (A2), Bumblebee11_43 (A4), Burger_43 (A4), Burton_44 (A1), Buttons_43 (A1), BuzzBuzz_46 (A3), Bxb1_41 (A1), Bxz2_44 (A3), C3_43 (A2), CRB1_46 (A2), CactusRose_42 (A1), Caelakin_45 (A4), Caitlin_41 (A8), Calvinny_48 (A3), Camperdownii_43 (A4), Candra_45 (A6), Cappuccino_38 (AZ5), Caraxes_45 (A2), Carlyle_44 (A1), Caron_50 (EH), CartmannCramer_44 (A1), Cassia_40 (AZ1), CatBus_45 (A1), Catalina_46 (A9), Caviar_44 (A3), Celestiallunch_43 (A9), Cen1621_44 (EH), Centaur_45 (A2), CentreCat_45 (A4), Cerulean_46 (A4), Chadwick_40 (A5), ChampagnePapi_47 (A4), Chanagan_42 (A1), Changeling_45 (A2), Chaph_45 (A4), Chargerpower_44 (A22), Charm_42 (A9), Chartreuse_45 (A6), Che12_47 (A2), ChipMunk_47 (A2), Chiqui_43 (A3), ChristmasHams_41 (A1), Chupacabra_43 (A10), Ciao_45 (A1), Cici_44 (A4), Cindaradix_42 (A4), Cintron_44 (A4), Citius_45 (A4), Clammy_46 (A3), Clarenza_44 (A4), CliffHanger_44 (EB), CloudWang3_45 (A6), Cocoaberry_45 (A4), CogOmlette_43 (A9), Colbster_48 (A3), Colin_46 (A2), Commander_45 (A4), Community_43 (AZ1), ConceptII_46 (A1), Connomayer_45 (A4), Conquerage_45 (A9), Conspiracy_38 (A5), Coog_38 (A5), Cookiedough_45 (A6), Corvo_45 (A1), CosmicSans_36 (CA), Crewmate_46 (AZ1), Crispicous1_43 (A1), Crucio_44 (A2), Cuco_38 (A5), Cueylyss_46 (A1), Cullens_48 (A3), Cyan_41 (AZ1), D29_44 (A2), D32_47 (A2), DBQu4n_47 (A2), DD5_44 (A1), DaHudson_48 (A3), DaVinci_45 (A6), Daishi_47 (A3), Dalmatian_45 (A2), Danforth_42 (A8), Darrell_46 (A9), DARTHPhader_42 (A12), Datway_44 (A4), Deano_44 (A4), DeerParkTS_42 (A2), DekHockey33_47 (A15), Deloris_43 (A2), Dexes_45 (A1), Dhanush_45 (A4), Dieselweasel_49 (A3), Dignity_46 (A2), Dinger_36 (CA), DirtyDunning_44 (A4), Discoknowium_37 (A5), Dixon_43 (A8), Donkey_38 (AZ5), DontArgue_43 (A10), Doom_45 (A1), Dorothea_45 (A6), DrFeelGood_43 (A1), DrManhattan_40 (AZ1), DrSierra_39 (AZ1), Drake55_46 (A2), Drake94_42 (A10), DreamCatcher_47 (A1), DreamTeam1_42 (A9), Dreamboat_46 (A1), DroogsArmy_41 (A7), DropBear_45 (A3), Druantia_45 (A4), Dublin_37 (A5), Dubu_35 (BJ), DudeLittle_43 (A2), Dulcie_45 (A1), Duplo_47 (A2), Dussy_46 (A1), DustyMartin_48 (A10), Dynamix_45 (A1), EagleEye_46 (A16), Eagle_45 (A4), Eaglepride_45 (A10), Eapen_45 (A4), Ebony_45 (A11), Echild_44 (A2), Edison31_43 (A10), EdogawaKiddo_43 (A9), Edtherson_45 (A1), Eidsmoe_45 (A9), Elephantoon_44 (A9), Elezi_39 (AZ1), Elle_43 (A15), EmyBug_44 (A9), EnzoK_43 (A1), EpicPhail_49 (A3), Epsocamisio_46 (A15), Equemioh13_45 (A2), Eraser_39 (AZ1), EricB_45 (A6), Erik_36 (CA), Eris_44 (A4), Eros_45 (A4), Espica_36 (CA), Espresso_44 (A1), Et2Brutus_44 (A11), EtoileNova_45 (A3), Euphoria_43 (A1), Euratis_35 (BB1), Eurydice_46 (A4), EvilGenius_47 (A2), Exile_36 (AZ6), Expelliarmus_42 (A8), ExplosioNervosa_45 (A9), Eyeball_46 (A1), Fajezeel_47 (A1), Fameo_44 (A2), Farber_48 (A3), Fascinus_41 (A1), FatCactus_36 (A20), Fayely_45 (A9), Fenn_46 (A1), Fernando_48 (A3), Fibonacci_44 (A11), FiringLine_44 (A2), First_0044 (A2), Flare16_44 (A2), Flaverint_45 (A11), Florean_45 (A4), Florence1_37 (A5), Florence4_38 (A5), Flutur_40 (AZ), Flux_45 (A4), FlyCatcher_47 (A7), ForGetIt_38 (A5), ForesterFrank_44 (A2), Forsytheast_44 (A1), Francis47_44 (A1), Fred313_45

(A3), Froghopper_43 (A1), Funston_44 (A4), Fushigi_43 (A1), GMA2_66 (DS), GMonster_42 (A1), Gachnar_45 (A1), Gadost_45 (A4), GageAP_45 (A1), Gail_49 (A14), Gambol_39 (AZ5), Gandalf20_46 (A1), Garak_47 (A6), GaugeLDP_43 (A2), Gemma_47 (A3), George_38 (A5), Georgie2_45 (A2), Ghoulboy_40 (A5), Gilberta_45 (A11), GingkoMaracino_48 (A3), Giorgio_37 (AZ5), Giroux_47 (A3), Gladiator_45 (A6), GodonK_188 (DK), Gollum_36 (CA), Gompeii16_44 (A1), Goose_44 (A10), Graduation_48 (A1), Gratitude_44 (A2), GrecoEtereo_45 (A1), GreedyLawyer_45 (A6), Greg_47 (A1), Grif_48 (A3), GroundGoblin_46 (A1), Groundhog_41 (A8), Groupthink_49 (A3), Grub_48 (A3), Grum1_48 (A3), Gruunaga_45 (A6), GtownJaz_48 (A3), Gumpizza_37 (AZ5), Gwendoluna_47 (A1), Gwennie_47 (A3), Gyzlar_41 (A1), HINdeR_41 (A7), Halsey_38 (AZ5), HamSlice_44 (A4), Hami1_39 (A1), Hammer_47 (A6), HanShotFirst_43 (A1), Hanray_43 (A9), Happiness_44 (A4), Harlequin_36 (CA), HarryHoudini_45 (A2), HarryOW_43 (A1), HashRod_49 (A3), HaveUMetTed_49 (A3), Heathen_45 (A3), Heather_37 (BB2), Heffalump_43 (A2), HelDan_45 (A3), Heliosoles_47 (A3), Helmet_47 (A6), Herbertwm_42 (A2), Hercules11_48 (A3), Hermia_46 (A1), HermioneGrange_44 (A1), Hexamo_45 (A6), HippoHollow_44 (A2), Hiro_36 (CA), Horex_44 (A9), Holli_44 (A4), Homines_37 (A1), Hookmount_44 (A3), Hoot_45 (A6), Hope4ever_46 (A1), HortumSL17_45 (A9), Houdini22_45 (A4), HuhtaEnerson15_39 (A5), Hutc2_44 (A11), Huxley_45 (A4), ICleared_45 (A4), ILeeKay_49 (A1), IUFootball_42 (AZ2), Ibantik_18 (singleton), Iceman_45 (A4), Ichabod_46 (A1), Idleandcovert_46 (A3), IgnatiusPatJac_44 (A1), Indra_48 (A6), Insomnia_45 (A11), Inyanga_42 (A1), Iqorha_42 (A1), Iracema64_46 (A4), IronMan_44 (A2), Isca_44 (A3), Isiphiwo_43 (A6), Iter_41 (AZ1), IttyBittyPiggy_41 (AZ1), Iwokeuplikedis_47 (A2), JC27_45 (A1), JF2_45 (A3), JF4_45 (A3), JHC117_48 (A3), JSwag_46 (A15), Jaan_45 (A2), Jabiru_39 (A5), Jabith_45 (A11), JackSparrow_46 (A1), Janeemi_43 (AZ1), Jasper_46 (A1), Jaykayelowell_43 (A4), Jeeves_50 (A14), JenCasNa_49 (A3), JeppNRM_49 (A3), Jerm2_45 (A1), Jerm_46 (A2), Jester_36 (CA), JetBlade_45 (A4), JewelBug_47 (A6), Jiawan_43 (A9), Jobu08_47 (A3), Joemato_41 (AZ1), JohnDoe_41 (AZ1), JoongJeon_44 (A4), Jordennis_45 (A6), Jorgensen_45 (A1), Joselito_45 (A11), JoshKayV_46 (A2), Journey13_40 (A2), Jovo_38 (A5), Jstan_41 (AZ1), JuliaChild_45 (A1), KADY_48 (A3), KBG_46 (A1), KFPoly_44 (A4), KSSJEB_43 (A1), Kachowdy_45 (A3), Kalb97_49 (A3), Kalimba_38 (AZ5), Kalnoky_49 (A3), Kalpine_44 (A2), Kampy_45 (A4), Kanely_45 (A1), Katalie136_44 (A4), KatherineG_48 (A15), Kaylissa_42 (AZ1), Kazan_46 (A6), KeAlii_40 (AZ1), KekoraPapaka_45 (A4), Kenmech_48 (A1), Kerberos_47 (A2), KikiBouba_46 (A1), Killigrew_44 (A1), Kimba_45 (A11), Kimona_43 (A19), KingCyrus_47 (A2), Kingmustik0402_45 (A4), Kinmap_43 (A21), Kipper29_45 (A6), KittenMittens_41 (A10), Klodlith_43 (A9), Koan_43 (A4), Koko_47 (A6), Koreni_44 (A4), Kratark_45 (A4), Kremtemulon_45 (A4), Krishelle_36 (CA), Kristoff_44 (A10), Kugel_46 (A1), KyMonks1A_47 (A1), Kyee_45 (A4), Kykar_45 (A1), LBerry_49 (A3), LHTSCC_47 (A4), LadyBird_47 (A2), Lambert1_44 (A3), Lamina13_45 (A1), Landor_44 (A2), LappelDuVide_45 (A4), Larenn_44 (A2), LarryKay_48 (A3), LastResort_46 (A15), Lego_41 (AZ1), Lemur_45 (A4), LeoAvram_45 (A4), Leogania_44 (A2), Lesedi_42 (A1), Lev2_38 (A5), Levia_42 (A1), Leviathan_46 (A2), Licorice_48 (A1), LilBib_45 (A1), LilTurb_45 (A2), Lilbooboo_34 (BB1), Lilbunny_44 (A6), Lilith_49 (A3), Lilleskat_43 (A9), Lillie_36 (CA), LionsBait_46 (A2), LittleB_45 (A4), LittleCherry_39 (A5), LittleGuy_45 (A4), Lizalica_39 (AZ1), LochMonster_46 (A4), Lockley_44 (A1), Lokk_45 (A2), London_39 (AZ1), LoneWolf_45 (A9), Looper_47 (A15), Lopton_45 (A1), Lorenzo_45 (A4), Loser_46 (A2), Louie6_47 (A3), Lowa_48 (A3), Luchador_50 (A14), Lucivia_45 (A11), Lucyedi_45 (A16), LugYA_51 (A3), LunarLander_46 (A1), Lunsford_46 (A4), MA5_45 (A3), MK4_45 (A3), MPlant7149_43 (A1), MaCh_45 (A11), MaGuCo_40 (AZ2), Mabel_45 (A11), Mabodamaca_48 (EH), MadMarie_48 (A3), Magnar_44 (A1),

Magnito_42 (A1), Mainiac_48 (A3), Makemake_44 (A1), Malec_45 (A2), Malinsilva_50 (A3), Maminiaina_44 (A9), Manatee_45 (A1), Manu_48 (A3), MarQuardt_48 (A3), Marcell_43 (A1), Marchesa_45 (A3), Marchy_39 (A1), Marco3_47 (A1), Marge_45 (A1), Margo_44 (A3), Marie_48 (A3), Marius_49 (A3), Maroc7_43 (A1), Marsha_45 (A1), MaryBeth_45 (A1), MarysWell_37 (A5), Maureen_42 (AZ2), Maverick_45 (A4), Maxo_46 (A4), Mayonnaise_44 (A4), Mazhar510_45 (A4), McFly_45 (A6), McGuire_45 (A1), McSinger_45 (A1), Medusa_45 (A4), MeeZee_45 (A4), MegTheThird_43 (A9), Melvin_47 (A4), MetalQZJ_44 (A1), Methuselah_45 (A3), Micasa_40 (A5), Michley_44 (A1), Microwolf_48 (A3), MiculUcigas_44 (A2), Midas2_38 (A5), Miko_43 (A2), Milcery_39 (A5), MilleFeuille_41 (A1), Millski_44 (A4), MinecraftSteve_48 (A15), Minispark_43 (A9), Miramae_44 (A4), Misomonster_49 (A3), MissSwiss_41 (AZ1), MissWhite_43 (A2), Mkhuseleli_44 (A1), Molly_45 (A1), Monet_48 (A1), MoneyMay_48 (A3), Montavir_47 (A3), Moose_44 (A1), Morpher26_44 (A4), Morrow_46 (A4), Moss_38 (AZ5), MrGordo_44 (A1), Mryolo_42 (A1), MuchMore_51 (A3), Mudpuppy_38 (AZ1), Mulciber_44 (A11), Mule_42 (A1), Munch_45 (A11), Mundrea_44 (A4), Museum_45 (A1), MyraDee_40 (A18), Mystery_37 (AZ5), Myxus_45 (A9), NEHalo_43 (A1), NaSiaTalie_44 (A2), Naiad_36 (CA), Naira_46 (A1), Naji_47 (A2), Nancinator_36 (CA), Natosaleda_36 (CA), NearlyHeadless_43 (A8), Nebs_46 (A4), Nebulosus_46 (A15), Nedarya_43 (A15), Neeharika16_45 (A6), Nemo27_45 (A4), Nerujay_46 (A1), Nesbitt_42 (BL), Newrala_45 (A6), Nhonho_45 (A1), NicoleTera_45 (A2), Niobe_39 (AZ1), Nitro_40 (AZ1), Niza_47 (A1), Noella_44 (A3), Noelle_45 (A4), Norbert_43 (A3), NorthStar_44 (A4), Norz_45 (A1), NotAPhaseMom_45 (A4), NothingSpecial_43 (A2), Noxious_45 (A1), Nyxis_45 (A4), OKCentral2016_43 (A10), OKaNui_45 (A4), Obama12_46 (A4), ObiToo_46 (AZ1), Odin_44 (A2), Ohfah_46 (A4), Ohno789_45 (A1), OlanP_47 (A3), Ollie_48 (A3), Onglai_43 (A9), Oofda_47 (A15), Oogway_42 (A1), Orange_44 (A11), P28Green_49 (A3), PGHhamlin_50 (A3), PP_46 (A7), PSullivan_44 (A1), PacerPaul_45 (A1), PackMan_44 (A9), PainterBoy_45 (A16), Palestino_44 (A4), Panamaxus_42 (A3), Papez_47 (A1), Paphu_43 (A1), Paraselene_43 (A1), Pari_45 (A1), Parliament_44 (A1), Partridge_36 (CA), PascalRango_45 (A1), PattyP_45 (A1), Pawn_48 (A3), Payneful_44 (A1), PeaceMeal1_42 (A10), Peaches_45 (A4), Pelly_44 (A1), Pembroke_48 (A3), Penny1_49 (A3), Pepe_42 (A1), Perplexer_44 (A4), Perseus_45 (A1), PeterPeter_45 (A4), Petersenfast_43 (A11), Peterson_48 (A1), PetiteSangsue_44 (A4), Petp2012_45 (A1), Petruchio_45 (A1), PetterN_40 (A5), Ph8s_46 (A2), Phacado_45 (A4), Phaded_46 (A2), Phaeder_45 (A9), PhailMary_35 (CA), Phantastic_46 (A3), Pharaoh_39 (A12), Phelipe_46 (A4), Phendrix_176 (DK), PherrisBueller_44 (A1), Phighter1804_45 (A4), Phillis_44 (A8), PhineBark_44 (A1), PhishRPhriends_46 (A3), Phives_43 (AZ1), Phlei_33 (A13), Philipppers_43 (A1), Phlorence_37 (A5), Phoebe_49 (A3), Phonnegut_45 (A9), Phontbonne_45 (A4), Phoxy_48 (A3), Phrankensteen_36 (CA), Phranny_49 (A3), PhrostyMug_44 (A1), PickleBack_38 (A5), PinkPlastic_43 (A1), Pinto_45 (A1), Pioneer_45 (A9), Pipcraft_43 (A4), Pippin_47 (A1), Piro94_44 (A2), Pistachio_47 (A3), Pita2_47 (A1), Pixelle_41 (AZ1), Pmask_45 (A6), Pocahontas_44 (A3), Polymorphads_46 (A4), Polyphemus_46 (A6), Pomar16_47 (A2), Ponzi_14 (singleton), Poompha_43 (A10), Popcicle_44 (A3), PotatoSplit_50 (A3), PowerRanger_46 (A1), Power_43 (A2), Powerpuff_43 (AZ1), Priamo_47 (A6), Prinashe11_39 (A5), Priya_45 (A9), ProMouse_45 (A1), Prudy_43 (A2), Pukovnik_43 (A2), Pumbaa_45 (A4), Pumpkins_40 (AZ1), Puppet_46 (A1), Puppy_47 (A3), PurpleHaze_48 (A3), QTRLifeCrisis_45 (A1), Qobbit_45 (A9), QueenB2_44 (A2), QueenBeesly_44 (A2), Quenya_42 (EB), QuinnKiro_43 (A3), RER2_29 (CA), RGL3_31 (CA), Rachaly_45 (A2), Rahalelujah_44 (A9), Raid_45 (A1), Rajelicia_46 (A1), Rasputin_36 (CA), Ravana_49 (A15), ReMo_46 (A15), Reba_48 (A3), Rebeuca_44 (A10), RedRock_46 (A2), Reedo_40 (AZ1), Refuge_44 (A12), Relief_44

(A4), RemusLoopin_36 (BB2), Remus_47 (A15), ResDef_44 (A3), Retro23_45 (A2), RexFury_36 (CA), Rhodalysa_36 (CA), RhynO_45 (A10), Rhynn_44 (A1), RidgeCB_44 (A1), Rifter_47 (A6), Ringer_46 (A1), Roary_43 (A8), RockScotty_37 (AZ5), RockieBear_44 (A4), Rockstar_45 (A3), Rohr_45 (A1), Roksolana_46 (A6), Romney_45 (A4), Roosevelt_44 (A4), Rosa24_44 (A4), Rosalind_46 (A15), Rowa_41 (BL), Rowdy_48 (A10), Rubeus_45 (A1), Rufus_45 (A1), Ruin_45 (A4), Rummer_47 (A3), Ruotula_48 (A1), Rutherford_47 (A1), RyeScarlet_46 (A9), STLscum_46 (A1), Sabertooth_45 (A4), Sabia_48 (A3), Sabinator_47 (A3), Sabourin_42 (AZ5), Sachima_42 (A9), Sagefire_48 (A1), Saintus_38 (A8), Salz_44 (A11), Samora_36 (BB1), Samy_65 (singleton), Sandaddy_44 (A1), Sanya_43 (A1), SarFire_43 (A1), Saskia_45 (A11), SaturnRing_46 (A3), Scamp_45 (A4), Schaffner_42 (AZ1), Scherzo_45 (A9), Scorpia_40 (A5), Scout_45 (A3), Scowl_45 (A1), Seabiscuit_46 (A1), Seanderson_47 (A1), Sebastisaurus_36 (BB2), SemperFi_45 (A2), SenorClean_45 (A4), Serenity_45 (A2), Severus_42 (A10), Shaka_45 (A4), Sham4_44 (A11), Shapes_48 (A10), Shawty_33 (BB1), ShayRa_48 (A15), Shayna_42 (EB), SheaKeira_43 (A9), Sheen_44 (A7), SheldonCooper_47 (A4), ShortQueendom_39 (A1), Shuman_36 (CA), Shygu2_44 (A4), Sibs6_45 (A1), Simpson_43 (AZ1), Skelbel_40 (AZ1), SkiPole_47 (A1), Skipitt_44 (A4), Sknot_44 (A2), Slagathor_47 (A1), Smairt_47 (A1), Smeadley_43 (A8), Smeagan_47 (A2), Smeagol_46 (A1), SmellyB_45 (A6), SnapTap_44 (A2), Snape_44 (A11), Snazzy_42 (A1), Snek_40 (AZ3), Snickers_48 (A3), SoYo_48 (A3), SoilDragon_48 (A3), Solon_44 (A1), Soondubu_37 (AZ6), Sooty_38 (AZ5), SororFago_48 (A14), Sorpresa_44 (A1), Soshari_50 (A3), Soups_47 (A15), Sparxx_46 (A4), SpecialK_38 (AZ5), Spike509_48 (A3), SpikeBT_45 (A1), Spino_44 (A4), Spooks_19 (BT), Spouty_45 (A9), Squee_44 (A1), StCroix_36 (CA), Stagni_48 (A3), StarStuff_47 (A2), Stasia_44 (A4), SteMason_44 (A4), Steamy_41 (A12), StepMih_48 (A3), Stephig9_43 (A8), StewieG_44 (A1), Stink_45 (A4), StrongArm_44 (A1), Strosahl_47 (A15), Stuu_38 (AZ5), Subaru_40 (AZ1), Success_19 (BT), Sue2_42 (AZ1), Sultana_45 (A4), Sumter_42 (A1), Sunhee_47 (A14), SunnyD_42 (EB), Sunshine924_45 (A1), SuperAwesome_45 (A6), SuperCallie99_45 (A6), Superchunk_44 (A2), Swann_36 (CA), SweetiePie_44 (A2), SwirlSquare_48 (A2), Swirley_41 (A5), SwissCheese_46 (A1), Switzer_45 (A1), Switzerland_47 (A15), Swole_45 (A1), SydNat_40 (A5), TG1_31 (BB1), TNguyen7_46 (A3), TWAMP_36 (CA), Tilonex_28 (singleton), Takoda_36 (CA), Tallboi_40 (AZ1), Taquarus_45 (A4), Target_45 (A1), Tarynearal_37 (A5), Tasp14_46 (A1), Taurus_49 (A3), Tbone_40 (AZ1), Teagster_43 (EB), Temprado_46 (A6), Teodoridan_43 (A1), Terrific_47 (A2), Texage_43 (A3), TforTroy_42 (AZ1), Thanksgivukkah_44 (A4), Theia_36 (A5), TheloniousMonk_46 (A1), Thor_43 (A1), ThursdayNight_44 (AZ), Tian_39 (AZ1), Tiffany_48 (A3), Tiger_37 (A5), Timothy_45 (A11), Timshel_43 (A7), TinaFeyge_45 (A4), TinyPebbles_47 (A3), TinyTimmy_45 (A11), Tinybot_44 (A4), TipsytheTRex_42 (A2), TiroTheta9_45 (A4), Todacoro_44 (A3), Tomathan_47 (A2), ToneTone_42 (A6), Topanga_42 (A10), Topgun_44 (A1), Toro_45 (A7), Tote_40 (A1), Traft412_45 (A1), Travvers_47 (A2), Treddle_46 (A1), Trike_42 (A10), Tripl3t_45 (A1), Tristan_44 (A2), Trixie_44 (A2), Trouble_46 (A1), TroyPia_46 (A4), Tubs_45 (A9), Tuck_44 (AZ1), Tucker_46 (A6), Turab_38 (AZ1), Turbido_45 (A2), Turj99_42 (A1), Tutumahutu_42 (AZ1), Tweety19_41 (AZ3), Twigg_39 (A5), Twister_42 (A10), TwoPeat_45 (A1), TygerBlood_45 (A4), U2_43 (A1), Ugenie5_42 (A9), UhSalsa_36 (CA), Ulysses_44 (A4), UnionJack_39 (A5), Updawg_45 (A2), UtzChips_47 (EH), VA6_43 (A2), VC3_48 (A2), VResidence_41 (AZ1), Vanisoa_44 (A9), Vash_34 (BB1), Veracruz_43 (A3), Violet_42 (A1), Vix_48 (A3), VohminGhazi_45 (A6), Waits_47 (A15), WalterMcMickey_42 (A10), Wander_45 (A4), Warda_41 (AZ1), Warrior24_48 (A15), Watermelon_46 (A1), Watson_48 (A3), WeiHuaDA_48 (A2), Whabigail7_45 (A2), Wheeler_45 (A1), Whitspit_43 (A1), WideWale_45 (A2), Wiks_44 (A6), Wilbur_45

(A4), Wildwest_40 (AZ1), Wile_44 (A4), Wilkins_44 (A1), Wizard007_45 (A4), Wolpertinger_43 (A11), Wooldri_50 (A3), WorldCup_43 (A9), WunderPhul_45 (A6), Xena_43 (A4), XianYue_44 (A2), Yecey3_46 (A9), YesChef_41 (AZ1), YoSam321_45 (A4), Yogi_36 (CA), Yokurt_45 (A6), Yoncess_36 (CA), Zaka_45 (A6), Zarafa_45 (A3), Zeeculate_43 (A1), Zephyr_44 (A1), Zetzy_47 (A3), Zeuska_44 (A1), Zimmer_42 (A12), Zolita_39 (A5), Zulu_46 (A6), phiBT1_11 (BB1), phiSASD1_12 (BJ),

Start 182:

- Found in 2 of 1584 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Sixama_172 (DS),

Start 183:

- Found in 4 of 1584 (0.3%) of genes in pham
- Manual Annotations of this start: 4 of 1351
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueNGold_170 (DS), Boopy_173 (DS), Forza_174 (DS), Mareelih_171 (DS),

Start 186:

- Found in 4 of 1584 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Panchaali_95 (FC), PauloDiaboli_117 (GD1),

Start 190:

- Found in 24 of 1584 (1.5%) of genes in pham
- Manual Annotations of this start: 7 of 1351
- Called 58.3% of time when present
- Phage (with cluster) where this start called: Atuin_93 (FC), Bloom_103 (FC), Chilliams_97 (FC), FloraSnap32_99 (FC), FrostedClock_102 (FC), GoldenEssence_85 (FC), Mimi_99 (FC), Patbob_100 (FC), Phrampa_94 (FC), Racecar_100 (FC), SJReid_103 (FC), Stewart25555_90 (FC), Talia1610_99 (FC), WaddleDee_86 (FC),

Start 198:

- Found in 22 of 1584 (1.4%) of genes in pham
- Manual Annotations of this start: 6 of 1351
- Called 36.4% of time when present
- Phage (with cluster) where this start called: Alone3_143 (BS), BRock_133 (BS), Beleetus_139 (BS), Fudan_141 (BS), Garnacho_133 (BS), GiJojo_132 (BS), LuckySocke_138 (BS), Talos_142 (BS),

Start 200:

- Found in 6 of 1584 (0.4%) of genes in pham
- Manual Annotations of this start: 6 of 1351
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adat_36 (AV), Brad_36 (AV), Casserole_35 (AV), GurgleFerb_36 (AV), Jasmine_38 (AV), Nellie_36 (AV),

Start 205:

- Found in 1 of 1584 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LadyJasley_40 (AV),

Start 207:

- Found in 22 of 1584 (1.4%) of genes in pham
- Manual Annotations of this start: 19 of 1351
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BouleyBill_36 (EA4), Bustleton_37 (EA4), Cheeto1_39 (EA9), ChickenKing_38 (EA9), GaeCeo_39 (EA9), Golden_37 (EA4), Guetzie_37 (EA4), HairyMan_35 (EA10), HerculesXL_37 (EA11), Jingles_37 (EA4), Kauala_37 (EA4), Kavo_36 (EA11), Koji_37 (EA4), Lucky3_37 (EA4), Pherbot_37 (EA4), PrincePhergus_37 (EA4), RenegadeRaider_39 (EA4), Schimmels22_37 (EA11), Schubert_36 (EA8), Sinatra_37 (EA4), SirVictor_37 (EA4), Tinyman4_37 (EA11),

Start 208:

- Found in 7 of 1584 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1351
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Casey_35 (EA3), Pajaza_35 (EA3), Penta_35 (EA11), Pikmin_35 (EA3), Scissor2024_37 (EA11), WestPM_35 (EA11),

Start 209:

- Found in 53 of 1584 (3.3%) of genes in pham
- Manual Annotations of this start: 41 of 1351
- Called 86.8% of time when present
- Phage (with cluster) where this start called: Alakazam_38 (EA5), Andromedas_38 (EA2), BaronJohn_38 (EA5), CaptainRex_37 (EA5), Carostasia_37 (EA10), Chepli_40 (EA6), ChikPic_38 (EA2), Clock_37 (EA5), ColaCorta_38 (EA2), Eleri_38 (EA2), Finny_38 (EA2), Fulton_37 (EA5), Glamour_37 (EA2), Greenlvy_37 (EA5), Hasitha_37 (EA5), Ixel_38 (EA11), Jemerald_40 (EA6), Juanyo_37 (EA10), Juicer_40 (EA6), KatChan_40 (EA6), Librie_37 (EA5), LilTerminator_37 (EA5), Luna18_40 (EA6), MCubed_38 (EA2), Mandalorian_37 (EA10), Mercedes_34 (EA), MiniVolent_36 (EA10), Morigan_40 (EA6), Nebulous_37 (EA5), Neferthena_38 (EA5), Nucci_37 (EA10), PSirce_38 (EA2), Phanita_38 (EA2), QuadZero_37 (EA5), Quartz_38 (EA10), Sansa_37 (EA2), Saratos_38 (EA2), Shamu_38 (EA2), TwoBits_36 (EA5), Wardwill_39 (EA5), WilliamStrong_38 (EA6), Xebius_38 (EA2), YuuY_37 (EA10), Zayuliv_37 (EA5), Zenitsu_38 (EA2), Zepp_38 (EA5),

Start 211:

- Found in 140 of 1584 (8.8%) of genes in pham
- Manual Annotations of this start: 115 of 1351
- Called 91.4% of time when present
- Phage (with cluster) where this start called: Acosta_40 (EA1), Agente005_39 (EA1), AlexAdler_39 (EA1), Alyxandracam_39 (EA1), Anilorac_39 (EA1), Antoinette_39 (EA1), AranulaLuti_38 (EA1), Asta_38 (EA1), Aubergine_38 (EA1), AxiPup_39 (EA1), Baines_38 (EA1), Balsa_38 (EA1), Bandik_39 (EA1), BeautPeep30_39 (EA1), Benjalauren_39 (EA1), BigRedClifford_39 (EA1), Blage_39 (EA1), BonesMcCoy_39 (EA1), Bonino_38 (EA1), Byron23_39 (EA1), Calix_38 (EA1), CarisSwetlik_42 (EA1), Christoph_38 (EA1), Clancy_38 (EA1), Convict_39 (EA1), CoraRita_39 (EA1),

Dave_39 (EA1), Delphidian_39 (EA1), Den3_39 (EA1), Dothraki_39 (EA1), Duocatuli_38 (EA1), Endor_39 (EA1), Erla_38 (EA1), Espinosa_38 (EA1), Etna_38 (EA1), Etta_38 (EA1), Exploradora_38 (EA1), FarmerDoug_38 (EA1), Figueroism_39 (EA1), GardenB_38 (EA1), Gelo_38 (EA1), Gershwin_38 (EA1), GoingMerry_39 (EA1), GoneGirl_39 (EA1), Greys_39 (EA1), Gubbabump_38 (EA1), Hamlet_38 (EA1), HanSolo_38 (EA1), HankSprout_39 (EA1), HungryHenry_38 (EA1), Ilzat_38 (EA1), Inventa_39 (EA1), Janus167_38 (EA1), JasperRussell_38 (EA1), Jenos_42 (EA1), Jerbirus_39 (EA1), JeriBeth_39 (EA1), Kale_38 (EA1), KannH_38 (EA1), KellyGreen_39 (EA1), KingJulien_38 (EA1), Klimt_38 (EA1), Knox_39 (EA1), Kouch_39 (EA1), Kurt1_39 (EA1), Leafus_38 (EA1), Lovelyunicorn_39 (EA1), Ludgate_39 (EA1), MaeLinda_39 (EA1), ManRay_38 (EA1), Martin_40 (EA1), McGalleon_41 (EA1), Merida02_40 (EA1), MillyPhilly_39 (EA1), MonChoix_37 (EA1), MrWorldwide_39 (EA1), Nagem_39 (EA1), Nattles_38 (EA1), NickSell_39 (EA1), Oats_38 (EA1), OldNelly_39 (EA1), Oxtober96_39 (EA1), Papafritta_38 (EA1), ParleG_39 (EA1), Peep_39 (EA1), Peppino_38 (EA1), Pherferi_39 (EA1), Phiderman_39 (EA1), PhillyPhantom_38 (EA1), Phireproof_39 (EA1), PhredFlintston_39 (EA1), Phriends_39 (EA1), Pocket_38 (EA1), PuppyEggo_39 (EA1), Raccoon_38 (EA1), Rapheph_39 (EA1), Raptor_39 (EA1), Redfield_38 (EA1), Riyhil_39 (EA1), Robinson_39 (EA1), Rog141_38 (EA1), RosieMae_38 (EA1), SJay_39 (EA1), Schnapsidee_38 (EA1), Sedgewig_38 (EA1), ShaiHulud_39 (EA1), Shee_39 (EA1), SoilGremlin_39 (EA1), SolidSnake_40 (EA1), Soror1_38 (EA1), Stanktossa_39 (EA1), StingRay_38 (EA1), StirfryIV_38 (EA1), Stormbreaker8_38 (EA1), Strathdee_39 (EA1), Superfresh_39 (EA1), Symere_38 (EA1), Teagan_39 (EA1), TeddyBear_38 (EA1), Tenda_38 (EA1), Thompsone_39 (EA1), Thorongil_39 (EA1), TinSulphur_39 (EA1), Velene_39 (EA1), Vispistious_39 (EA1), WildNOut_39 (EA1), Winzigespinne_38 (EA1), Zada_39 (EA1),

Start 215:

- Found in 174 of 1584 (11.0%) of genes in pham
- Manual Annotations of this start: 5 of 1351
- Called 2.9% of time when present
- Phage (with cluster) where this start called: BeeBee8_39 (EA1), Garey24_38 (EA1), Gargoyle_39 (EA1), Ioannes_39 (EA1), Renzie_39 (EA1),

Start 218:

- Found in 10 of 1584 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 30.0% of time when present
- Phage (with cluster) where this start called: GalaxyEater_37 (UNK), PigHeaded_40 (UNK), Shocker_43 (singleton),

Start 219:

- Found in 95 of 1584 (6.0%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 1.1% of time when present
- Phage (with cluster) where this start called: PastaFagioli_43 (EB),

Start 223:

- Found in 21 of 1584 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 4.8% of time when present
- Phage (with cluster) where this start called: DunneganBoMo_88 (FC),

Start 226:

- Found in 1 of 1584 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1351
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nirvana_71 (BM),

Start 227:

- Found in 90 of 1584 (5.7%) of genes in pham
- No Manual Annotations of this start.
- Called 7.8% of time when present
- Phage (with cluster) where this start called: Artu_91 (FC), BooTeria_95 (FC), Ellewin_90 (FC), Emmetator_91 (FC), KSunshine22_93 (FC), LeoJr_98 (FC), ReginaGlobina_98 (FC),

Start 230:

- Found in 20 of 1584 (1.3%) of genes in pham
- Manual Annotations of this start: 5 of 1351
- Called 25.0% of time when present
- Phage (with cluster) where this start called: BarnCat_62 (GB), Cassita_65 (GB), LeeroyJenkins_68 (GB), Lifes_61 (GB), WaterT_64 (GB),

Start 231:

- Found in 13 of 1584 (0.8%) of genes in pham
- Manual Annotations of this start: 7 of 1351
- Called 61.5% of time when present
- Phage (with cluster) where this start called: EhyElimayoE_67 (BM), Frankenweenie_74 (BM), JustBecause_62 (BM), Kela_63 (BM), Kradal_67 (BM), Quantum_66 (BM), Sarkar_71 (BM), Satis_67 (BM),

Start 232:

- Found in 36 of 1584 (2.3%) of genes in pham
- Manual Annotations of this start: 11 of 1351
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_49 (BG), Asis_48 (BG), BabyGotBac_49 (BG), BayC_48 (BG), Maih_47 (BG), Mischief19_57 (BG), RainyPolka_49 (BG), Rockabye_103 (FC), Salete_48 (BG), TP1604_48 (BG), Xkcd426_52 (BG), YDN12_50 (BG),

Start 264:

- Found in 1 of 1584 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phroglets_31 (singleton),

Start 295:

- Found in 27 of 1584 (1.7%) of genes in pham
- No Manual Annotations of this start.
- Called 3.7% of time when present
- Phage (with cluster) where this start called: Laure_103 (UNK),

Summary by clusters:

There are 71 clusters represented in this pham: FP, GD1, singleton, BG, GD4, DK, BL, BM, UNK, FR, BJ, BT, FC, BR, BS, GD3, DS, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, EA6, BB2, BB1, AB, EH, A21, CA, EA, EB, AQ, AZ2, GC, GB, AV, EA1, EA3, EA2, EA5, EA4, CT, A20, EA9, A22, EA11, EA10, EA8, GG, AZ, AZ1, GD2, AZ3, AZ4, AZ5, AZ6, AZ7,

Info for manual annotations of cluster A1:

- Start number 181 was manually annotated 218 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 181 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 181 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 181 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 181 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 181 was manually annotated 23 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 181 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 181 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 181 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 180 was manually annotated 4 times for cluster A2.
- Start number 181 was manually annotated 100 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 181 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 181 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 181 was manually annotated 116 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 181 was manually annotated 141 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 152 was manually annotated 2 times for cluster A5.
- Start number 181 was manually annotated 36 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 157 was manually annotated 1 time for cluster A6.
- Start number 181 was manually annotated 46 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 181 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 181 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 180 was manually annotated 2 times for cluster A9.
- Start number 181 was manually annotated 33 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 32 was manually annotated 1 time for cluster AB.
- Start number 35 was manually annotated 1 time for cluster AB.
- Start number 37 was manually annotated 1 time for cluster AB.
- Start number 45 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster AQ:

- Start number 158 was manually annotated 13 times for cluster AQ.

Info for manual annotations of cluster AV:

- Start number 200 was manually annotated 6 times for cluster AV.
- Start number 205 was manually annotated 1 time for cluster AV.

Info for manual annotations of cluster AZ1:

- Start number 91 was manually annotated 1 time for cluster AZ1.
- Start number 126 was manually annotated 1 time for cluster AZ1.
- Start number 181 was manually annotated 44 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 102 was manually annotated 1 time for cluster AZ2.
- Start number 181 was manually annotated 2 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 181 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 180 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 181 was manually annotated 15 times for cluster AZ5.

Info for manual annotations of cluster AZ6:

- Start number 181 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BB1:

- Start number 181 was manually annotated 6 times for cluster BB1.

Info for manual annotations of cluster BB2:

- Start number 181 was manually annotated 3 times for cluster BB2.

Info for manual annotations of cluster BG:

- Start number 232 was manually annotated 11 times for cluster BG.

Info for manual annotations of cluster BJ:

- Start number 181 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BL:

- Start number 181 was manually annotated 3 times for cluster BL.

Info for manual annotations of cluster BM:

- Start number 226 was manually annotated 1 time for cluster BM.
- Start number 231 was manually annotated 7 times for cluster BM.

Info for manual annotations of cluster BR:

- Start number 7 was manually annotated 1 time for cluster BR.
- Start number 21 was manually annotated 1 time for cluster BR.

Info for manual annotations of cluster BS:

- Start number 198 was manually annotated 6 times for cluster BS.

Info for manual annotations of cluster BT:

- Start number 181 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster CA:

- Start number 181 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CT:

- Start number 20 was manually annotated 19 times for cluster CT.
- Start number 25 was manually annotated 1 time for cluster CT.
- Start number 26 was manually annotated 25 times for cluster CT.
- Start number 27 was manually annotated 14 times for cluster CT.

Info for manual annotations of cluster DK:

- Start number 181 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DS:

- Start number 182 was manually annotated 1 time for cluster DS.
- Start number 183 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster EA:

- Start number 209 was manually annotated 1 time for cluster EA.

Info for manual annotations of cluster EA1:

- Start number 119 was manually annotated 1 time for cluster EA1.
- Start number 140 was manually annotated 3 times for cluster EA1.
- Start number 142 was manually annotated 1 time for cluster EA1.
- Start number 211 was manually annotated 115 times for cluster EA1.

- Start number 215 was manually annotated 5 times for cluster EA1.

Info for manual annotations of cluster EA10:

- Start number 207 was manually annotated 1 time for cluster EA10.
- Start number 209 was manually annotated 6 times for cluster EA10.

Info for manual annotations of cluster EA11:

- Start number 207 was manually annotated 3 times for cluster EA11.
- Start number 208 was manually annotated 1 time for cluster EA11.
- Start number 209 was manually annotated 1 time for cluster EA11.

Info for manual annotations of cluster EA2:

- Start number 209 was manually annotated 13 times for cluster EA2.

Info for manual annotations of cluster EA3:

- Start number 208 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:

- Start number 207 was manually annotated 11 times for cluster EA4.

Info for manual annotations of cluster EA5:

- Start number 209 was manually annotated 13 times for cluster EA5.

Info for manual annotations of cluster EA6:

- Start number 209 was manually annotated 7 times for cluster EA6.

Info for manual annotations of cluster EA8:

- Start number 207 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:

- Start number 207 was manually annotated 3 times for cluster EA9.

Info for manual annotations of cluster EB:

- Start number 168 was manually annotated 7 times for cluster EB.
- Start number 171 was manually annotated 61 times for cluster EB.
- Start number 172 was manually annotated 3 times for cluster EB.
- Start number 181 was manually annotated 5 times for cluster EB.
- Start number 219 was manually annotated 1 time for cluster EB.

Info for manual annotations of cluster EH:

- Start number 180 was manually annotated 8 times for cluster EH.
- Start number 181 was manually annotated 5 times for cluster EH.

Info for manual annotations of cluster FC:

- Start number 190 was manually annotated 7 times for cluster FC.
- Start number 223 was manually annotated 1 time for cluster FC.

Info for manual annotations of cluster FP:

- Start number 180 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster FR:

- Start number 174 was manually annotated 2 times for cluster FR.

Info for manual annotations of cluster GB:

- Start number 230 was manually annotated 5 times for cluster GB.

Info for manual annotations of cluster GC:

- Start number 124 was manually annotated 4 times for cluster GC.

Info for manual annotations of cluster GD1:

- Start number 175 was manually annotated 1 time for cluster GD1.
- Start number 186 was manually annotated 1 time for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 177 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 175 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 177 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster GG:

- Start number 13 was manually annotated 2 times for cluster GG.

Gene Information:

Gene: 20ES_45 Start: 31266, Stop: 29479, Start Num: 181

Candidate Starts for 20ES_45:

(39, 31683), (Start: 181 @31266 has 918 MA's), (273, 31062), (275, 31059), (277, 31053), (286, 31038), (291, 31023), (302, 30990), (303, 30987), (311, 30960), (323, 30933), (332, 30912), (341, 30882), (378, 30780), (438, 30687), (441, 30678), (458, 30639), (466, 30630), (472, 30615), (499, 30549), (539, 30468), (560, 30420), (562, 30414), (595, 30351), (628, 30276), (649, 30195), (676, 30111), (677, 30108), (692, 30042), (706, 30003), (722, 29982), (745, 29907), (753, 29889), (757, 29877), (767, 29844), (782, 29817), (801, 29781), (816, 29763), (828, 29727), (832, 29703), (855, 29646), (859, 29625), (874, 29568), (880, 29556), (884, 29547),

Gene: 40AC_46 Start: 33055, Stop: 30977, Start Num: 59

Candidate Starts for 40AC_46:

(59, 33055), (85, 32941), (Start: 181 @32764 has 918 MA's), (273, 32560), (277, 32551), (291, 32521), (302, 32488), (303, 32485), (311, 32458), (323, 32431), (378, 32278), (438, 32185), (441, 32176), (466, 32128), (472, 32113), (499, 32047), (560, 31918), (562, 31912), (596, 31846), (649, 31693), (667, 31642), (677, 31606), (680, 31597), (692, 31540), (706, 31501), (722, 31480), (728, 31459), (767, 31342), (829, 31222), (855, 31144), (859, 31123), (874, 31066), (880, 31054), (884, 31045),

Gene: 8UZL_44 Start: 34273, Stop: 31928, Start Num: 37

Candidate Starts for 8UZL_44:

(Start: 25 @34339 has 1 MA's), (29, 34330), (Start: 35 @34285 has 1 MA's), (Start: 37 @34273 has 1 MA's), (Start: 45 @34234 has 1 MA's), (53, 34177), (73, 34075), (82, 34045), (97, 34015), (199, 33847), (255, 33727), (300, 33625), (335, 33544), (355, 33484), (380, 33418), (427, 33286), (442, 33238), (492, 33166), (496, 33157), (511, 33145), (570, 33076), (649, 32863), (656, 32809), (678, 32728), (685, 32695), (705, 32629), (707, 32623), (709, 32617), (711, 32611), (718, 32587), (729, 32554), (733, 32539), (735, 32530), (787, 32371), (792, 32359), (867, 32131), (874, 32104), (896,

32035),

Gene: A3Wally_117 Start: 81842, Stop: 79962, Start Num: 175

Candidate Starts for A3Wally_117:

(135, 81905), (Start: 168 @81851 has 7 MA's), (Start: 175 @81842 has 2 MA's), (Start: 186 @81830 has 1 MA's), (263, 81632), (275, 81605), (295, 81566), (314, 81503), (326, 81485), (335, 81458), (338, 81452), (381, 81344), (441, 81266), (449, 81245), (463, 81212), (476, 81182), (489, 81155), (516, 81095), (565, 80990), (583, 80957), (618, 80888), (620, 80879), (649, 80768), (682, 80654), (704, 80570), (708, 80555), (739, 80444), (741, 80438), (748, 80426), (754, 80411), (803, 80300), (832, 80210), (846, 80171), (853, 80159), (859, 80132), (874, 80075), (884, 80051),

Gene: A6_41 Start: 33551, Stop: 31725, Start Num: 181

Candidate Starts for A6_41:

(Start: 181 @33551 has 918 MA's), (277, 33338), (285, 33323), (302, 33275), (311, 33245), (318, 33224), (323, 33218), (328, 33209), (358, 33125), (360, 33116), (369, 33092), (378, 33065), (438, 32972), (443, 32957), (451, 32936), (458, 32924), (483, 32873), (484, 32870), (506, 32816), (514, 32804), (530, 32774), (542, 32744), (562, 32699), (583, 32660), (649, 32480), (665, 32432), (677, 32393), (692, 32327), (706, 32288), (722, 32267), (728, 32246), (733, 32228), (757, 32162), (828, 32012), (829, 32009), (836, 31973), (846, 31949), (852, 31940), (856, 31928), (874, 31853), (884, 31832),

Gene: ACFishhook_47 Start: 31825, Stop: 30011, Start Num: 181

Candidate Starts for ACFishhook_47:

(Start: 181 @31825 has 918 MA's), (206, 31786), (214, 31774), (273, 31621), (281, 31606), (302, 31549), (323, 31492), (328, 31483), (341, 31441), (360, 31390), (378, 31339), (438, 31246), (458, 31198), (472, 31174), (489, 31135), (499, 31108), (514, 31078), (555, 30985), (562, 30973), (584, 30925), (595, 30910), (649, 30754), (667, 30703), (676, 30670), (677, 30667), (692, 30601), (706, 30562), (729, 30490), (739, 30451), (750, 30427), (757, 30409), (767, 30376), (816, 30295), (832, 30235), (837, 30217), (859, 30157), (862, 30148), (874, 30100), (880, 30088), (884, 30079),

Gene: AEgle_37 Start: 28789, Stop: 30654, Start Num: 181

Candidate Starts for AEgle_37:

(Start: 181 @28789 has 918 MA's), (213, 28837), (273, 28993), (318, 29107), (345, 29176), (440, 29383), (443, 29392), (484, 29482), (489, 29491), (494, 29506), (499, 29518), (516, 29551), (560, 29644), (586, 29701), (619, 29782), (649, 29902), (660, 29932), (677, 29989), (690, 30046), (692, 30055), (726, 30148), (750, 30220), (754, 30229), (799, 30328), (828, 30391), (868, 30526), (874, 30550), (879, 30559), (909, 30637),

Gene: AFIS_43 Start: 34331, Stop: 32502, Start Num: 181

Candidate Starts for AFIS_43:

(Start: 181 @34331 has 918 MA's), (277, 34118), (302, 34055), (311, 34025), (318, 34004), (323, 33998), (328, 33989), (369, 33872), (378, 33845), (438, 33752), (443, 33737), (458, 33704), (483, 33653), (484, 33650), (506, 33596), (514, 33584), (530, 33554), (542, 33524), (562, 33479), (583, 33440), (649, 33260), (665, 33212), (680, 33164), (689, 33125), (692, 33107), (706, 33068), (722, 33047), (728, 33026), (732, 33011), (779, 32888), (796, 32855), (853, 32717), (858, 32693), (871, 32645), (874, 32633), (884, 32612), (887, 32606), (903, 32558), (908, 32543),

Gene: AGrandiflora_42 Start: 30069, Stop: 31934, Start Num: 181

Candidate Starts for AGrandiflora_42:

(Start: 181 @30069 has 918 MA's), (213, 30117), (244, 30207), (247, 30213), (311, 30366), (345, 30456), (440, 30663), (443, 30672), (484, 30762), (489, 30771), (494, 30786), (516, 30831), (539, 30876), (560, 30924), (586, 30981), (619, 31062), (643, 31149), (649, 31182), (660, 31212), (677, 31269), (692, 31335), (703, 31359), (726, 31428), (750, 31500), (754, 31509), (799, 31608), (828,

31671), (832, 31695), (868, 31806), (874, 31830), (879, 31839),

Gene: AN3_45 Start: 31646, Stop: 29859, Start Num: 181

Candidate Starts for AN3_45:

(Start: 181 @31646 has 918 MA's), (273, 31442), (275, 31439), (277, 31433), (286, 31418), (291, 31403), (302, 31370), (303, 31367), (311, 31340), (323, 31313), (332, 31292), (341, 31262), (378, 31160), (438, 31067), (441, 31058), (458, 31019), (466, 31010), (472, 30995), (499, 30929), (539, 30848), (560, 30800), (562, 30794), (628, 30656), (649, 30575), (667, 30524), (676, 30491), (677, 30488), (692, 30422), (706, 30383), (722, 30362), (745, 30287), (753, 30269), (767, 30224), (782, 30197), (801, 30161), (816, 30143), (828, 30107), (832, 30083), (855, 30026), (874, 29948), (880, 29936), (884, 29927),

Gene: AN9_48 Start: 31569, Stop: 29770, Start Num: 181

Candidate Starts for AN9_48:

(Start: 181 @31569 has 918 MA's), (273, 31365), (302, 31290), (303, 31287), (311, 31260), (316, 31245), (323, 31233), (341, 31182), (378, 31080), (438, 30987), (441, 30978), (458, 30939), (466, 30930), (499, 30849), (516, 30816), (530, 30789), (583, 30675), (595, 30651), (649, 30486), (665, 30438), (677, 30399), (685, 30363), (692, 30333), (706, 30294), (722, 30273), (757, 30168), (767, 30135), (801, 30072), (828, 30018), (832, 29994), (874, 29859), (880, 29847), (884, 29838),

Gene: ANI8_48 Start: 31569, Stop: 29770, Start Num: 181

Candidate Starts for ANI8_48:

(Start: 181 @31569 has 918 MA's), (273, 31365), (302, 31290), (303, 31287), (311, 31260), (316, 31245), (323, 31233), (341, 31182), (378, 31080), (438, 30987), (441, 30978), (458, 30939), (466, 30930), (499, 30849), (516, 30816), (530, 30789), (583, 30675), (595, 30651), (649, 30486), (665, 30438), (677, 30399), (685, 30363), (692, 30333), (706, 30294), (722, 30273), (757, 30168), (767, 30135), (801, 30072), (828, 30018), (832, 29994), (874, 29859), (880, 29847), (884, 29838),

Gene: AbbeyMikolon_44 Start: 30256, Stop: 32121, Start Num: 181

Candidate Starts for AbbeyMikolon_44:

(Start: 181 @30256 has 918 MA's), (213, 30304), (Start: 219 @30325 has 1 MA's), (247, 30400), (293, 30502), (310, 30559), (311, 30562), (312, 30565), (338, 30628), (341, 30640), (451, 30868), (462, 30889), (472, 30910), (489, 30949), (494, 30964), (496, 30967), (497, 30970), (520, 31015), (531, 31036), (539, 31054), (542, 31063), (560, 31102), (574, 31132), (576, 31144), (597, 31207), (635, 31324), (649, 31384), (665, 31432), (677, 31471), (683, 31501), (692, 31537), (711, 31591), (729, 31639), (750, 31702), (793, 31801), (799, 31810), (824, 31861), (839, 31921), (848, 31939), (868, 32008), (874, 32032), (887, 32059),

Gene: AbbyPaige_46 Start: 31676, Stop: 29889, Start Num: 181

Candidate Starts for AbbyPaige_46:

(115, 31763), (Start: 181 @31676 has 918 MA's), (275, 31469), (277, 31463), (286, 31448), (291, 31433), (303, 31397), (311, 31370), (323, 31343), (332, 31322), (378, 31190), (438, 31097), (458, 31049), (466, 31040), (472, 31025), (499, 30959), (539, 30878), (560, 30830), (562, 30824), (595, 30761), (649, 30605), (667, 30554), (676, 30521), (677, 30518), (692, 30452), (706, 30413), (722, 30392), (745, 30317), (750, 30305), (767, 30254), (801, 30191), (816, 30173), (828, 30137), (832, 30113), (859, 30035), (874, 29978), (880, 29966), (884, 29957),

Gene: AbbysRanger_44 Start: 31536, Stop: 29707, Start Num: 181

Candidate Starts for AbbysRanger_44:

(Start: 181 @31536 has 918 MA's), (214, 31485), (224, 31455), (291, 31293), (298, 31275), (302, 31260), (323, 31203), (328, 31194), (370, 31074), (378, 31050), (414, 31008), (438, 30957), (460, 30909), (472, 30888), (489, 30849), (506, 30804), (510, 30798), (549, 30717), (560, 30696), (583, 30651), (646, 30486), (649, 30465), (692, 30312), (706, 30273), (729, 30201), (733, 30186), (739,

30162), (748, 30144), (750, 30138), (753, 30132), (832, 29931), (874, 29796), (880, 29784), (884, 29775),

Gene: Abbyshoes_47 Start: 34766, Stop: 32937, Start Num: 181

Candidate Starts for Abbyshoes_47:

(Start: 181 @34766 has 918 MA's), (277, 34553), (285, 34538), (302, 34490), (311, 34460), (318, 34439), (323, 34433), (328, 34424), (369, 34307), (378, 34280), (438, 34187), (443, 34172), (483, 34088), (484, 34085), (514, 34019), (530, 33989), (542, 33959), (562, 33914), (583, 33875), (649, 33695), (665, 33647), (680, 33599), (689, 33560), (692, 33542), (706, 33503), (722, 33482), (728, 33461), (732, 33446), (779, 33323), (853, 33152), (858, 33128), (871, 33080), (874, 33068), (884, 33047), (887, 33041), (903, 32993), (908, 32978),

Gene: Abdiel_45 Start: 31571, Stop: 29745, Start Num: 181

Candidate Starts for Abdiel_45:

(Start: 181 @31571 has 918 MA's), (195, 31550), (214, 31520), (224, 31490), (291, 31328), (298, 31310), (323, 31238), (328, 31229), (370, 31109), (378, 31085), (438, 30992), (460, 30944), (472, 30923), (489, 30884), (549, 30752), (560, 30731), (583, 30686), (586, 30674), (646, 30521), (649, 30500), (685, 30377), (692, 30347), (706, 30308), (728, 30242), (729, 30239), (733, 30224), (739, 30200), (750, 30176), (832, 29969), (874, 29834), (880, 29822), (884, 29813),

Gene: Abigail_42 Start: 29285, Stop: 31159, Start Num: 171

Candidate Starts for Abigail_42:

(Start: 168 @29282 has 7 MA's), (Start: 171 @29285 has 61 MA's), (Start: 219 @29354 has 1 MA's), (227, 29375), (328, 29621), (341, 29663), (489, 29957), (594, 30191), (635, 30314), (649, 30374), (650, 30380), (667, 30425), (674, 30440), (675, 30455), (683, 30491), (692, 30527), (726, 30620), (758, 30713), (793, 30791), (828, 30863), (829, 30866), (836, 30902), (855, 30944), (858, 30962), (868, 30998), (874, 31022), (884, 31043),

Gene: Abrogate_440 Start: 35018, Stop: 33189, Start Num: 181

Candidate Starts for Abrogate_440:

(Start: 181 @35018 has 918 MA's), (277, 34805), (285, 34790), (311, 34712), (318, 34691), (323, 34685), (328, 34676), (358, 34592), (369, 34559), (378, 34532), (438, 34439), (443, 34424), (451, 34403), (458, 34391), (483, 34340), (484, 34337), (514, 34271), (530, 34241), (542, 34211), (562, 34166), (583, 34127), (649, 33947), (665, 33899), (680, 33851), (689, 33812), (692, 33794), (706, 33755), (722, 33734), (728, 33713), (732, 33698), (779, 33575), (853, 33404), (858, 33380), (871, 33332), (874, 33320), (884, 33299), (887, 33293), (903, 33245), (908, 33230),

Gene: Abt2graduatex2_49 Start: 39647, Stop: 37638, Start Num: 232

Candidate Starts for Abt2graduatex2_49:

(192, 39737), (201, 39722), (Start: 232 @39647 has 11 MA's), (246, 39605), (310, 39446), (312, 39440), (314, 39434), (335, 39374), (344, 39347), (375, 39263), (411, 39122), (437, 39044), (484, 38930), (489, 38921), (494, 38906), (499, 38894), (502, 38882), (521, 38852), (539, 38813), (592, 38666), (632, 38561), (637, 38549), (638, 38546), (650, 38489), (658, 38468), (672, 38426), (678, 38396), (693, 38330), (696, 38309), (698, 38303), (700, 38291), (705, 38267), (714, 38237), (719, 38210), (739, 38126), (748, 38108), (750, 38102), (753, 38096), (758, 38081), (761, 38072), (813, 37940), (828, 37895), (832, 37871), (833, 37868), (856, 37814), (859, 37796), (868, 37763), (874, 37739), (884, 37718), (893, 37691),

Gene: Achebe_43 Start: 31519, Stop: 29690, Start Num: 181

Candidate Starts for Achebe_43:

(Start: 181 @31519 has 918 MA's), (214, 31468), (224, 31438), (291, 31276), (298, 31258), (302, 31243), (323, 31186), (328, 31177), (370, 31057), (378, 31033), (414, 30991), (438, 30940), (460, 30892), (472, 30871), (489, 30832), (506, 30787), (510, 30781), (549, 30700), (560, 30679), (583,

30634), (646, 30469), (649, 30448), (692, 30295), (706, 30256), (729, 30184), (733, 30169), (739, 30145), (748, 30127), (750, 30121), (753, 30115), (832, 29914), (874, 29779), (880, 29767), (884, 29758),

Gene: Acme_47 Start: 34868, Stop: 33042, Start Num: 181

Candidate Starts for Acme_47:

(Start: 181 @34868 has 918 MA's), (277, 34655), (285, 34640), (302, 34592), (311, 34562), (318, 34541), (323, 34535), (328, 34526), (369, 34409), (378, 34382), (438, 34289), (443, 34274), (458, 34241), (483, 34190), (484, 34187), (514, 34121), (530, 34091), (542, 34061), (562, 34016), (583, 33977), (649, 33797), (660, 33767), (665, 33749), (677, 33710), (692, 33644), (728, 33563), (729, 33560), (757, 33479), (828, 33329), (829, 33326), (836, 33290), (846, 33266), (852, 33257), (856, 33245), (874, 33170), (884, 33149),

Gene: Acolyte_41 Start: 30968, Stop: 29181, Start Num: 181

Candidate Starts for Acolyte_41:

(Start: 181 @30968 has 918 MA's), (275, 30761), (277, 30755), (286, 30740), (291, 30725), (302, 30692), (303, 30689), (311, 30662), (323, 30635), (378, 30482), (438, 30389), (441, 30380), (458, 30341), (466, 30332), (472, 30317), (499, 30251), (523, 30206), (539, 30170), (560, 30122), (649, 29897), (660, 29867), (667, 29846), (692, 29744), (722, 29684), (728, 29663), (733, 29645), (816, 29465), (828, 29429), (832, 29405), (855, 29348), (874, 29270), (880, 29258), (884, 29249),

Gene: Acosta_40 Start: 29335, Stop: 27470, Start Num: 211

Candidate Starts for Acosta_40:

(Start: 140 @29422 has 3 MA's), (Start: 142 @29419 has 1 MA's), (Start: 211 @29335 has 115 MA's), (Start: 215 @29326 has 5 MA's), (332, 29059), (335, 29047), (338, 29041), (437, 28759), (440, 28747), (451, 28717), (458, 28702), (461, 28696), (468, 28684), (561, 28528), (568, 28513), (584, 28468), (685, 28153), (692, 28123), (707, 28081), (735, 27994), (745, 27949), (787, 27835), (804, 27796), (829, 27736), (833, 27712), (834, 27709), (835, 27706), (846, 27673), (857, 27640), (858, 27628),

Gene: Adahisdi_44 Start: 34346, Stop: 32520, Start Num: 181

Candidate Starts for Adahisdi_44:

(Start: 181 @34346 has 918 MA's), (277, 34133), (285, 34118), (311, 34040), (318, 34019), (323, 34013), (328, 34004), (369, 33887), (378, 33860), (438, 33767), (443, 33752), (483, 33668), (484, 33665), (514, 33599), (530, 33569), (542, 33539), (562, 33494), (583, 33455), (649, 33275), (660, 33245), (665, 33227), (667, 33224), (677, 33188), (692, 33122), (728, 33041), (729, 33038), (757, 32957), (828, 32807), (829, 32804), (836, 32768), (846, 32744), (852, 32735), (856, 32723), (862, 32696), (874, 32648), (884, 32627),

Gene: Adat_36 Start: 31889, Stop: 30144, Start Num: 200

Candidate Starts for Adat_36:

(184, 31916), (Start: 200 @31889 has 6 MA's), (203, 31886), (Start: 218 @31853 has 1 MA's), (221, 31847), (256, 31754), (271, 31721), (285, 31694), (337, 31559), (413, 31430), (414, 31424), (427, 31400), (432, 31385), (439, 31358), (450, 31328), (489, 31247), (492, 31238), (520, 31178), (529, 31157), (587, 31043), (599, 31025), (707, 30647), (722, 30629), (740, 30563), (748, 30548), (836, 30329), (853, 30287), (874, 30203), (886, 30170),

Gene: Adolin_40 Start: 27791, Stop: 29701, Start Num: 181

Candidate Starts for Adolin_40:

(Start: 181 @27791 has 918 MA's), (213, 27839), (311, 28088), (345, 28178), (440, 28430), (443, 28439), (489, 28538), (494, 28553), (528, 28622), (560, 28691), (619, 28829), (649, 28949), (660, 28979), (672, 29012), (677, 29036), (692, 29102), (738, 29237), (750, 29267), (828, 29438), (837, 29480), (853, 29513), (874, 29597), (879, 29606), (884, 29618),

Gene: Adumb2043_38 Start: 28808, Stop: 30673, Start Num: 181

Candidate Starts for Adumb2043_38:

(Start: 181 @28808 has 918 MA's), (213, 28856), (273, 29012), (302, 29075), (318, 29126), (345, 29195), (440, 29402), (484, 29501), (489, 29510), (494, 29525), (499, 29537), (516, 29570), (560, 29663), (586, 29720), (619, 29801), (649, 29921), (660, 29951), (677, 30008), (690, 30065), (692, 30074), (726, 30167), (750, 30239), (754, 30248), (799, 30347), (828, 30410), (868, 30545), (874, 30569), (879, 30578), (909, 30656),

Gene: Adzzy_46 Start: 30091, Stop: 28304, Start Num: 181

Candidate Starts for Adzzy_46:

(Start: 181 @30091 has 918 MA's), (273, 29887), (277, 29878), (302, 29815), (303, 29812), (311, 29785), (323, 29758), (332, 29737), (378, 29605), (438, 29512), (458, 29464), (499, 29374), (524, 29326), (649, 29020), (676, 28936), (677, 28933), (685, 28897), (692, 28867), (706, 28828), (722, 28807), (728, 28786), (767, 28669), (782, 28642), (801, 28606), (816, 28588), (828, 28552), (832, 28528), (874, 28393), (880, 28381), (884, 28372),

Gene: Aeneas_47 Start: 34971, Stop: 33184, Start Num: 181

Candidate Starts for Aeneas_47:

(Start: 181 @34971 has 918 MA's), (277, 34758), (285, 34743), (311, 34665), (318, 34644), (323, 34638), (328, 34629), (358, 34545), (369, 34512), (378, 34485), (438, 34392), (443, 34377), (451, 34356), (458, 34344), (483, 34293), (484, 34290), (514, 34224), (530, 34194), (542, 34164), (562, 34119), (583, 34080), (649, 33900), (665, 33852), (677, 33813), (692, 33747), (725, 33675), (728, 33666), (757, 33582), (796, 33495), (846, 33369), (853, 33357), (868, 33297), (874, 33273), (878, 33267),

Gene: Agaliana_41 Start: 31606, Stop: 29780, Start Num: 181

Candidate Starts for Agaliana_41:

(Start: 181 @31606 has 918 MA's), (277, 31393), (285, 31378), (311, 31300), (318, 31279), (323, 31273), (328, 31264), (369, 31147), (378, 31120), (438, 31027), (443, 31012), (458, 30979), (483, 30928), (484, 30925), (514, 30859), (530, 30829), (542, 30799), (562, 30754), (583, 30715), (649, 30535), (665, 30487), (677, 30448), (692, 30382), (728, 30301), (729, 30298), (757, 30217), (822, 30082), (828, 30067), (829, 30064), (836, 30028), (846, 30004), (852, 29995), (856, 29983), (862, 29956), (874, 29908), (884, 29887),

Gene: Agamotto_41 Start: 31745, Stop: 29967, Start Num: 172

Candidate Starts for Agamotto_41:

(51, 32078), (75, 31937), (79, 31928), (Start: 172 @31745 has 3 MA's), (220, 31667), (Start: 232 @31625 has 11 MA's), (252, 31577), (314, 31433), (335, 31385), (341, 31367), (373, 31298), (381, 31274), (420, 31244), (438, 31205), (476, 31124), (489, 31097), (494, 31082), (525, 31019), (550, 30962), (565, 30932), (583, 30896), (586, 30884), (603, 30860), (646, 30746), (649, 30725), (650, 30719), (666, 30674), (681, 30623), (686, 30599), (692, 30572), (706, 30533), (753, 30392), (754, 30389), (769, 30341), (782, 30320), (807, 30266), (815, 30251), (833, 30185), (844, 30155), (855, 30128), (859, 30107), (860, 30104), (864, 30086), (869, 30071), (899, 29978),

Gene: Agape74_46 Start: 31661, Stop: 29874, Start Num: 181

Candidate Starts for Agape74_46:

(115, 31748), (Start: 181 @31661 has 918 MA's), (275, 31454), (277, 31448), (286, 31433), (291, 31418), (303, 31382), (311, 31355), (323, 31328), (332, 31307), (378, 31175), (438, 31082), (458, 31034), (466, 31025), (472, 31010), (499, 30944), (539, 30863), (560, 30815), (562, 30809), (595, 30746), (649, 30590), (667, 30539), (676, 30506), (677, 30503), (692, 30437), (706, 30398), (722, 30377), (745, 30302), (750, 30290), (767, 30239), (801, 30176), (816, 30158), (828, 30122), (832, 30098), (859, 30020), (874, 29963), (880, 29951), (884, 29942),

Gene: Agatha_43 Start: 32554, Stop: 30161, Start Num: 20

Candidate Starts for Agatha_43:

(Start: 20 @32554 has 19 MA's), (28, 32548), (Start: 35 @32500 has 1 MA's), (43, 32458), (49, 32434), (69, 32308), (73, 32284), (97, 32239), (123, 32188), (132, 32173), (Start: 142 @32152 has 1 MA's), (176, 32104), (Start: 198 @32071 has 6 MA's), (204, 32062), (238, 31987), (240, 31975), (274, 31906), (288, 31879), (290, 31873), (296, 31858), (312, 31804), (313, 31801), (329, 31783), (335, 31762), (355, 31702), (404, 31579), (405, 31573), (427, 31504), (440, 31462), (496, 31375), (519, 31351), (542, 31345), (552, 31321), (556, 31312), (563, 31297), (570, 31285), (590, 31243), (596, 31240), (598, 31237), (618, 31201), (648, 31090), (659, 31021), (661, 31015), (672, 30979), (683, 30922), (692, 30886), (705, 30850), (707, 30844), (709, 30838), (711, 30832), (729, 30775), (735, 30751), (745, 30706), (874, 30325), (889, 30280), (891, 30271), (911, 30211), (922, 30193),

Gene: AgentM_37 Start: 30104, Stop: 28245, Start Num: 181

Candidate Starts for AgentM_37:

(Start: 181 @30104 has 918 MA's), (214, 30053), (236, 29993), (261, 29930), (273, 29900), (275, 29897), (299, 29840), (302, 29828), (311, 29798), (323, 29771), (360, 29669), (366, 29654), (378, 29618), (422, 29558), (438, 29522), (458, 29474), (497, 29390), (499, 29384), (537, 29312), (549, 29279), (555, 29264), (562, 29252), (614, 29153), (649, 29018), (660, 28988), (665, 28970), (674, 28952), (677, 28931), (680, 28922), (692, 28865), (706, 28826), (728, 28784), (733, 28766), (750, 28718), (767, 28667), (796, 28613), (801, 28604), (816, 28586), (832, 28526), (837, 28508), (868, 28415), (874, 28391), (880, 28379), (930, 28262), (931, 28259),

Gene: Agente005_39 Start: 29167, Stop: 27299, Start Num: 211

Candidate Starts for Agente005_39:

(98, 29332), (122, 29287), (148, 29242), (Start: 211 @29167 has 115 MA's), (Start: 215 @29158 has 5 MA's), (329, 28900), (330, 28894), (335, 28879), (338, 28873), (406, 28687), (434, 28600), (437, 28591), (440, 28579), (450, 28552), (451, 28549), (458, 28534), (461, 28528), (468, 28516), (480, 28492), (630, 28198), (685, 27985), (688, 27976), (692, 27955), (707, 27913), (735, 27823), (745, 27778), (787, 27664), (802, 27634), (829, 27565), (833, 27541), (846, 27502), (858, 27457),

Gene: Aglet_49 Start: 31854, Stop: 30040, Start Num: 181

Candidate Starts for Aglet_49:

(Start: 181 @31854 has 918 MA's), (206, 31815), (214, 31803), (273, 31650), (281, 31635), (302, 31578), (323, 31521), (328, 31512), (341, 31470), (360, 31419), (378, 31368), (438, 31275), (458, 31227), (466, 31218), (472, 31203), (489, 31164), (499, 31137), (514, 31107), (555, 31014), (584, 30954), (595, 30939), (649, 30783), (677, 30696), (689, 30648), (692, 30630), (706, 30591), (729, 30519), (739, 30480), (750, 30456), (757, 30438), (767, 30405), (782, 30378), (816, 30324), (832, 30264), (859, 30186), (874, 30129), (880, 30117), (884, 30108),

Gene: AgronaGT15_47 Start: 31705, Stop: 29891, Start Num: 181

Candidate Starts for AgronaGT15_47:

(Start: 181 @31705 has 918 MA's), (206, 31666), (214, 31654), (273, 31501), (281, 31486), (302, 31429), (323, 31372), (328, 31363), (341, 31321), (360, 31270), (378, 31219), (420, 31165), (438, 31126), (458, 31078), (472, 31054), (489, 31015), (499, 30988), (514, 30958), (555, 30865), (562, 30853), (584, 30805), (595, 30790), (649, 30634), (667, 30583), (676, 30550), (677, 30547), (692, 30481), (706, 30442), (729, 30370), (739, 30331), (750, 30307), (757, 30289), (767, 30256), (832, 30115), (862, 30028), (874, 29980), (880, 29968), (884, 29959), (885, 29956),

Gene: AikoCarson_44 Start: 32796, Stop: 30409, Start Num: 26

Candidate Starts for AikoCarson_44:

(4, 32943), (6, 32901), (10, 32868), (11, 32853), (Start: 26 @32796 has 25 MA's), (29, 32787), (31, 32781), (43, 32700), (56, 32604), (64, 32580), (69, 32553), (73, 32529), (Start: 142 @32397 has 1 MA's), (164, 32370), (Start: 172 @32355 has 3 MA's), (204, 32307), (217, 32277), (238, 32232), (240,

32220), (274, 32154), (296, 32106), (312, 32052), (329, 32031), (335, 32010), (340, 31995), (355, 31950), (404, 31827), (422, 31767), (427, 31752), (440, 31710), (496, 31623), (519, 31599), (542, 31593), (552, 31569), (556, 31560), (590, 31491), (596, 31488), (598, 31485), (635, 31389), (648, 31338), (659, 31269), (661, 31263), (692, 31134), (705, 31098), (707, 31092), (709, 31086), (711, 31080), (718, 31056), (729, 31023), (735, 30999), (745, 30954), (829, 30741), (832, 30720), (837, 30702), (838, 30699), (874, 30573), (889, 30528), (891, 30519),

Gene: AinMach_42 Start: 30094, Stop: 31947, Start Num: 181

Candidate Starts for AinMach_42:

(Start: 181 @30094 has 918 MA's), (238, 30211), (247, 30238), (261, 30268), (311, 30391), (318, 30412), (489, 30775), (494, 30790), (560, 30928), (588, 30991), (597, 31012), (649, 31186), (660, 31216), (667, 31237), (677, 31273), (683, 31303), (692, 31339), (726, 31432), (796, 31609), (816, 31639), (828, 31675), (832, 31699), (857, 31762), (874, 31834), (887, 31861), (912, 31930),

Gene: Airmid_39 Start: 30159, Stop: 28294, Start Num: 181

Candidate Starts for Airmid_39:

(Start: 181 @30159 has 918 MA's), (236, 30048), (273, 29955), (275, 29952), (302, 29883), (311, 29853), (323, 29826), (328, 29817), (360, 29724), (366, 29709), (378, 29673), (422, 29613), (438, 29577), (455, 29532), (458, 29529), (472, 29505), (497, 29445), (537, 29367), (555, 29319), (562, 29307), (584, 29259), (614, 29208), (649, 29073), (660, 29043), (665, 29025), (677, 28986), (680, 28977), (686, 28947), (692, 28920), (693, 28917), (722, 28860), (728, 28839), (750, 28773), (767, 28722), (796, 28668), (801, 28659), (816, 28641), (837, 28563), (868, 28470), (874, 28446), (880, 28434), (923, 28329),

Gene: Ajay_45 Start: 34664, Stop: 32835, Start Num: 181

Candidate Starts for Ajay_45:

(Start: 181 @34664 has 918 MA's), (277, 34451), (302, 34388), (311, 34358), (318, 34337), (323, 34331), (328, 34322), (369, 34205), (378, 34178), (438, 34085), (443, 34070), (458, 34037), (483, 33986), (484, 33983), (514, 33917), (530, 33887), (542, 33857), (562, 33812), (583, 33773), (649, 33593), (665, 33545), (680, 33497), (689, 33458), (692, 33440), (706, 33401), (722, 33380), (728, 33359), (732, 33344), (779, 33221), (853, 33050), (858, 33026), (871, 32978), (874, 32966), (884, 32945), (887, 32939), (903, 32891), (908, 32876),

Gene: Akino08_43 Start: 31514, Stop: 33388, Start Num: 171

Candidate Starts for Akino08_43:

(Start: 171 @31514 has 61 MA's), (Start: 219 @31583 has 1 MA's), (227, 31604), (302, 31784), (328, 31850), (333, 31865), (341, 31892), (489, 32186), (594, 32420), (634, 32540), (635, 32543), (649, 32603), (650, 32609), (667, 32654), (674, 32669), (675, 32684), (683, 32720), (692, 32756), (726, 32849), (745, 32909), (758, 32942), (793, 33020), (795, 33023), (828, 33092), (832, 33116), (836, 33131), (855, 33173), (858, 33191), (874, 33251), (884, 33272),

Gene: Alakazam_38 Start: 28696, Stop: 26795, Start Num: 209

Candidate Starts for Alakazam_38:

(Start: 209 @28696 has 41 MA's), (247, 28597), (253, 28591), (276, 28540), (277, 28537), (300, 28486), (302, 28483), (336, 28405), (367, 28312), (410, 28201), (415, 28180), (434, 28126), (435, 28120), (437, 28117), (440, 28105), (451, 28075), (461, 28054), (468, 28042), (470, 28039), (480, 28018), (568, 27871), (617, 27772), (633, 27715), (692, 27448), (705, 27412), (707, 27406), (712, 27391), (733, 27328), (735, 27319), (804, 27121), (833, 27037), (834, 27034), (836, 27025), (846, 26998),

Gene: Alatin_36 Start: 28180, Stop: 26396, Start Num: 181

Candidate Starts for Alatin_36:

(Start: 181 @28180 has 918 MA's), (288, 27946), (299, 27916), (301, 27907), (302, 27904), (316, 27859), (323, 27847), (341, 27796), (378, 27694), (391, 27673), (438, 27601), (455, 27556), (458, 27553), (480, 27511), (482, 27505), (489, 27490), (499, 27463), (549, 27358), (553, 27349), (562, 27331), (564, 27328), (583, 27292), (649, 27112), (665, 27064), (692, 26959), (693, 26956), (722, 26899), (728, 26878), (769, 26755), (816, 26680), (828, 26644), (832, 26620), (859, 26542), (874, 26485), (880, 26473), (894, 26434), (900, 26416),

Gene: Albedo_43 Start: 29891, Stop: 31765, Start Num: 171

Candidate Starts for Albedo_43:

(Start: 168 @29888 has 7 MA's), (Start: 171 @29891 has 61 MA's), (Start: 219 @29960 has 1 MA's), (227, 29981), (328, 30227), (341, 30269), (450, 30482), (489, 30563), (594, 30797), (635, 30920), (649, 30980), (650, 30986), (667, 31031), (674, 31046), (675, 31061), (683, 31097), (692, 31133), (726, 31226), (758, 31319), (793, 31397), (828, 31469), (836, 31508), (855, 31550), (858, 31568), (874, 31628), (884, 31649),

Gene: Albee_45 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Albee_45:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Alberto7_46 Start: 31907, Stop: 30081, Start Num: 181

Candidate Starts for Alberto7_46:

(Start: 181 @31907 has 918 MA's), (195, 31886), (214, 31856), (224, 31826), (291, 31664), (298, 31646), (323, 31574), (328, 31565), (370, 31445), (378, 31421), (438, 31328), (460, 31280), (472, 31259), (489, 31220), (549, 31088), (560, 31067), (583, 31022), (586, 31010), (646, 30857), (649, 30836), (685, 30713), (692, 30683), (706, 30644), (728, 30578), (729, 30575), (733, 30560), (739, 30536), (750, 30512), (832, 30305), (874, 30170), (880, 30158), (884, 30149),

Gene: Albright_40 Start: 28818, Stop: 30692, Start Num: 171

Candidate Starts for Albright_40:

(Start: 168 @28815 has 7 MA's), (Start: 171 @28818 has 61 MA's), (Start: 219 @28887 has 1 MA's), (227, 28908), (328, 29154), (341, 29196), (450, 29409), (489, 29490), (594, 29724), (635, 29847), (649, 29907), (650, 29913), (667, 29958), (674, 29973), (675, 29988), (683, 30024), (692, 30060), (726, 30153), (758, 30246), (793, 30324), (828, 30396), (836, 30435), (855, 30477), (858, 30495), (874, 30555), (884, 30576),

Gene: Aldrich_45 Start: 35357, Stop: 33531, Start Num: 181

Candidate Starts for Aldrich_45:

(Start: 181 @35357 has 918 MA's), (277, 35144), (285, 35129), (311, 35051), (318, 35030), (323, 35024), (328, 35015), (369, 34898), (378, 34871), (438, 34778), (443, 34763), (483, 34679), (484, 34676), (514, 34610), (542, 34550), (562, 34505), (583, 34466), (649, 34286), (665, 34238), (677, 34199), (692, 34133), (706, 34094), (722, 34073), (728, 34052), (733, 34034), (757, 33968), (825, 33827), (828, 33818), (829, 33815), (836, 33779), (846, 33755), (852, 33746), (856, 33734), (874, 33659), (884, 33638),

Gene: AlexAdler_39 Start: 28925, Stop: 27060, Start Num: 211

Candidate Starts for AlexAdler_39:

(Start: 140 @29012 has 3 MA's), (Start: 211 @28925 has 115 MA's), (Start: 215 @28916 has 5 MA's), (255, 28811), (259, 28802), (275, 28772), (276, 28769), (332, 28649), (335, 28637), (338, 28631), (374, 28526), (384, 28499), (434, 28358), (435, 28352), (437, 28349), (440, 28337), (450, 28310),

(451, 28307), (458, 28292), (461, 28286), (466, 28280), (481, 28247), (584, 28058), (685, 27743), (688, 27734), (689, 27731), (692, 27713), (707, 27671), (709, 27665), (718, 27641), (735, 27584), (787, 27425), (802, 27395), (804, 27386), (829, 27326), (833, 27302), (846, 27263), (857, 27230), (858, 27218), (874, 27158),

Gene: Aliter_45 Start: 31411, Stop: 29618, Start Num: 181

Candidate Starts for Aliter_45:

(Start: 181 @31411 has 918 MA's), (187, 31402), (214, 31360), (259, 31240), (261, 31237), (282, 31189), (303, 31129), (312, 31099), (316, 31087), (323, 31075), (378, 30922), (438, 30829), (499, 30691), (514, 30661), (586, 30502), (595, 30490), (616, 30463), (646, 30355), (649, 30334), (689, 30199), (692, 30181), (728, 30100), (739, 30058), (767, 29983), (813, 29908), (828, 29866), (859, 29764), (874, 29707), (880, 29695), (884, 29686),

Gene: Alma_45 Start: 31495, Stop: 29702, Start Num: 181

Candidate Starts for Alma_45:

(Start: 181 @31495 has 918 MA's), (187, 31486), (244, 31357), (261, 31321), (273, 31291), (277, 31282), (291, 31249), (302, 31216), (303, 31213), (312, 31183), (316, 31171), (323, 31159), (378, 31006), (438, 30913), (499, 30775), (514, 30745), (586, 30586), (595, 30574), (616, 30547), (646, 30439), (649, 30418), (689, 30283), (692, 30265), (728, 30184), (767, 30067), (779, 30046), (813, 29992), (828, 29950), (832, 29926), (859, 29848), (874, 29791), (880, 29779), (884, 29770),

Gene: Alone3_143 Start: 75999, Stop: 78035, Start Num: 198

Candidate Starts for Alone3_143:

(Start: 198 @75999 has 6 MA's), (228, 76065), (234, 76089), (249, 76140), (251, 76143), (255, 76155), (268, 76188), (299, 76257), (338, 76392), (349, 76428), (397, 76548), (430, 76602), (431, 76605), (450, 76656), (455, 76668), (489, 76737), (497, 76758), (523, 76806), (526, 76815), (651, 77193), (679, 77310), (682, 77328), (711, 77424), (724, 77460), (742, 77529), (748, 77538), (750, 77544), (802, 77682), (808, 77697), (814, 77712), (836, 77796), (837, 77799), (857, 77871), (874, 77943), (895, 77997), (897, 78003),

Gene: Alpacados_35 Start: 28085, Stop: 26301, Start Num: 181

Candidate Starts for Alpacados_35:

(Start: 181 @28085 has 918 MA's), (259, 27914), (288, 27851), (299, 27821), (301, 27812), (302, 27809), (316, 27764), (323, 27752), (328, 27743), (341, 27701), (378, 27599), (391, 27578), (438, 27506), (455, 27461), (458, 27458), (480, 27416), (482, 27410), (489, 27395), (499, 27368), (549, 27263), (562, 27236), (583, 27197), (649, 27017), (665, 26969), (692, 26864), (693, 26861), (722, 26804), (728, 26783), (739, 26741), (741, 26735), (769, 26660), (813, 26591), (828, 26549), (832, 26525), (859, 26447), (874, 26390), (880, 26378), (900, 26321),

Gene: Alsfro_48 Start: 34937, Stop: 33111, Start Num: 181

Candidate Starts for Alsfro_48:

(Start: 181 @34937 has 918 MA's), (277, 34724), (285, 34709), (311, 34631), (318, 34610), (323, 34604), (328, 34595), (369, 34478), (378, 34451), (438, 34358), (443, 34343), (458, 34310), (483, 34259), (484, 34256), (514, 34190), (542, 34130), (562, 34085), (583, 34046), (649, 33866), (665, 33818), (677, 33779), (692, 33713), (706, 33674), (722, 33653), (728, 33632), (733, 33614), (757, 33548), (828, 33398), (829, 33395), (836, 33359), (846, 33335), (852, 33326), (856, 33314), (874, 33239), (884, 33218),

Gene: Altman_46 Start: 35175, Stop: 33349, Start Num: 181

Candidate Starts for Altman_46:

(Start: 181 @35175 has 918 MA's), (277, 34962), (302, 34899), (311, 34869), (318, 34848), (323, 34842), (328, 34833), (369, 34716), (378, 34689), (438, 34596), (443, 34581), (483, 34497), (484, 34494), (514, 34428), (530, 34398), (542, 34368), (562, 34323), (583, 34284), (649, 34104), (665,

34056), (677, 34017), (692, 33951), (706, 33912), (722, 33891), (728, 33870), (733, 33852), (757, 33786), (828, 33636), (829, 33633), (836, 33597), (846, 33573), (852, 33564), (856, 33552), (874, 33477), (884, 33456),

Gene: Alvin_44 Start: 35187, Stop: 33358, Start Num: 181

Candidate Starts for Alvin_44:

(Start: 181 @35187 has 918 MA's), (259, 35016), (277, 34974), (285, 34959), (302, 34911), (311, 34881), (318, 34860), (323, 34854), (328, 34845), (369, 34728), (378, 34701), (438, 34608), (443, 34593), (483, 34509), (484, 34506), (514, 34440), (530, 34410), (542, 34380), (562, 34335), (583, 34296), (649, 34116), (665, 34068), (680, 34020), (689, 33981), (692, 33963), (706, 33924), (722, 33903), (728, 33882), (732, 33867), (779, 33744), (796, 33711), (853, 33573), (858, 33549), (871, 33501), (874, 33489), (884, 33468), (887, 33462), (903, 33414), (908, 33399),

Gene: Alyxandracam_39 Start: 28935, Stop: 27070, Start Num: 211

Candidate Starts for Alyxandracam_39:

(Start: 140 @29022 has 3 MA's), (Start: 142 @29019 has 1 MA's), (Start: 211 @28935 has 115 MA's), (Start: 215 @28926 has 5 MA's), (255, 28821), (259, 28812), (275, 28782), (276, 28779), (330, 28662), (335, 28647), (338, 28641), (374, 28536), (384, 28509), (434, 28368), (437, 28359), (440, 28347), (450, 28320), (451, 28317), (458, 28302), (461, 28296), (466, 28290), (481, 28257), (584, 28068), (685, 27753), (688, 27744), (689, 27741), (692, 27723), (707, 27681), (709, 27675), (718, 27651), (735, 27594), (787, 27435), (802, 27405), (804, 27396), (829, 27336), (833, 27312), (846, 27273), (857, 27240), (858, 27228), (874, 27168),

Gene: Amavida_56 Start: 36664, Stop: 34496, Start Num: 158

Candidate Starts for Amavida_56:

(155, 36667), (Start: 158 @36664 has 13 MA's), (195, 36610), (Start: 230 @36526 has 5 MA's), (289, 36373), (293, 36364), (306, 36319), (328, 36241), (330, 36232), (335, 36217), (341, 36202), (342, 36199), (362, 36142), (393, 36049), (401, 36007), (469, 35812), (473, 35800), (475, 35794), (486, 35770), (493, 35749), (501, 35728), (505, 35713), (509, 35707), (541, 35644), (562, 35593), (587, 35506), (616, 35446), (628, 35398), (652, 35296), (655, 35290), (669, 35263), (670, 35260), (676, 35239), (686, 35197), (688, 35191), (693, 35167), (707, 35125), (708, 35122), (716, 35095), (723, 35062), (727, 35050), (736, 35014), (745, 34990), (748, 34984), (750, 34978), (768, 34924), (792, 34876), (795, 34873), (820, 34813), (828, 34789), (834, 34759), (854, 34705), (857, 34696), (871, 34636), (874, 34624), (885, 34585),

Gene: Amigo_55 Start: 36879, Stop: 34711, Start Num: 158

Candidate Starts for Amigo_55:

(155, 36882), (Start: 158 @36879 has 13 MA's), (195, 36825), (Start: 230 @36741 has 5 MA's), (289, 36588), (293, 36579), (306, 36534), (328, 36456), (330, 36447), (335, 36432), (341, 36417), (342, 36414), (362, 36357), (393, 36264), (401, 36222), (469, 36027), (473, 36015), (475, 36009), (486, 35985), (493, 35964), (501, 35943), (505, 35928), (509, 35922), (541, 35859), (562, 35808), (587, 35721), (616, 35661), (628, 35613), (652, 35511), (655, 35505), (669, 35478), (670, 35475), (676, 35454), (686, 35412), (688, 35406), (693, 35382), (707, 35340), (708, 35337), (716, 35310), (723, 35277), (727, 35265), (736, 35229), (745, 35205), (748, 35199), (750, 35193), (768, 35139), (792, 35091), (795, 35088), (820, 35028), (828, 35004), (834, 34974), (854, 34920), (871, 34851), (874, 34839), (885, 34800),

Gene: Amok_44 Start: 32820, Stop: 30433, Start Num: 26

Candidate Starts for Amok_44:

(6, 32925), (10, 32892), (11, 32877), (Start: 26 @32820 has 25 MA's), (29, 32811), (31, 32805), (43, 32724), (56, 32628), (64, 32604), (69, 32577), (73, 32553), (Start: 142 @32421 has 1 MA's), (164, 32394), (Start: 172 @32379 has 3 MA's), (204, 32331), (217, 32301), (238, 32256), (240, 32244), (274, 32178), (296, 32130), (312, 32076), (329, 32055), (335, 32034), (340, 32019), (355, 31974), (404,

31851), (422, 31791), (427, 31776), (440, 31734), (496, 31647), (519, 31623), (542, 31617), (552, 31593), (556, 31584), (590, 31515), (596, 31512), (598, 31509), (635, 31413), (648, 31362), (659, 31293), (661, 31287), (692, 31158), (705, 31122), (707, 31116), (709, 31110), (711, 31104), (718, 31080), (729, 31047), (735, 31023), (745, 30978), (829, 30765), (832, 30744), (837, 30726), (838, 30723), (874, 30597), (889, 30552), (891, 30543),

Gene: Amploria_39 Start: 28991, Stop: 30856, Start Num: 181

Candidate Starts for Amploria_39:

(Start: 181 @28991 has 918 MA's), (213, 29039), (273, 29195), (318, 29309), (345, 29378), (440, 29585), (484, 29684), (489, 29693), (494, 29708), (499, 29720), (516, 29753), (560, 29846), (586, 29903), (619, 29984), (649, 30104), (660, 30134), (677, 30191), (690, 30248), (692, 30257), (726, 30350), (750, 30422), (754, 30431), (799, 30530), (828, 30593), (868, 30728), (874, 30752), (879, 30761), (909, 30839),

Gene: Amyev_40 Start: 30363, Stop: 32228, Start Num: 181

Candidate Starts for Amyev_40:

(Start: 126 @30285 has 1 MA's), (Start: 181 @30363 has 918 MA's), (213, 30411), (261, 30537), (273, 30567), (290, 30594), (293, 30600), (311, 30660), (345, 30750), (440, 30957), (443, 30966), (489, 31065), (494, 31080), (560, 31218), (619, 31356), (643, 31443), (649, 31476), (672, 31539), (677, 31563), (690, 31620), (692, 31629), (726, 31722), (750, 31794), (799, 31902), (828, 31965), (832, 31989), (874, 32124), (879, 32133),

Gene: Anansi_54 Start: 36486, Stop: 34318, Start Num: 158

Candidate Starts for Anansi_54:

(155, 36489), (Start: 158 @36486 has 13 MA's), (195, 36432), (Start: 230 @36348 has 5 MA's), (289, 36195), (293, 36186), (306, 36141), (328, 36063), (330, 36054), (335, 36039), (341, 36024), (342, 36021), (362, 35964), (393, 35871), (401, 35829), (469, 35634), (473, 35622), (475, 35616), (486, 35592), (493, 35571), (501, 35550), (505, 35535), (509, 35529), (541, 35466), (562, 35415), (587, 35328), (616, 35268), (628, 35220), (652, 35118), (655, 35112), (669, 35085), (670, 35082), (676, 35061), (686, 35019), (688, 35013), (693, 34989), (707, 34947), (708, 34944), (716, 34917), (723, 34884), (727, 34872), (736, 34836), (745, 34812), (748, 34806), (750, 34800), (768, 34746), (792, 34698), (795, 34695), (820, 34635), (828, 34611), (834, 34581), (854, 34527), (871, 34458), (874, 34446), (885, 34407),

Gene: Anaysia_47 Start: 29967, Stop: 28177, Start Num: 181

Candidate Starts for Anaysia_47:

(Start: 181 @29967 has 918 MA's), (261, 29793), (302, 29688), (303, 29685), (311, 29658), (323, 29631), (341, 29580), (378, 29478), (438, 29385), (455, 29340), (458, 29337), (466, 29328), (539, 29166), (549, 29139), (560, 29118), (562, 29112), (619, 29013), (628, 28974), (644, 28923), (649, 28893), (667, 28842), (676, 28809), (683, 28776), (685, 28770), (692, 28740), (722, 28680), (728, 28659), (739, 28617), (751, 28590), (757, 28575), (796, 28488), (828, 28425), (829, 28422), (874, 28266), (880, 28254), (885, 28242),

Gene: AndPeggy_40 Start: 32151, Stop: 29764, Start Num: 26

Candidate Starts for AndPeggy_40:

(10, 32223), (11, 32208), (Start: 26 @32151 has 25 MA's), (29, 32142), (31, 32136), (43, 32055), (64, 31935), (73, 31884), (Start: 142 @31752 has 1 MA's), (164, 31725), (217, 31632), (238, 31587), (265, 31527), (274, 31509), (296, 31461), (312, 31407), (313, 31404), (329, 31386), (335, 31365), (351, 31314), (355, 31305), (357, 31302), (384, 31227), (404, 31182), (422, 31122), (427, 31107), (456, 31023), (496, 30978), (519, 30954), (542, 30948), (552, 30924), (590, 30846), (596, 30843), (598, 30840), (648, 30693), (659, 30624), (683, 30525), (692, 30489), (705, 30453), (707, 30447), (709, 30441), (711, 30435), (718, 30411), (729, 30378), (735, 30354), (745, 30309), (766, 30249), (829, 30096), (832, 30075), (837, 30057), (838, 30054), (874, 29928), (889, 29883), (891, 29874),

Gene: Andromedas_38 Start: 28731, Stop: 26866, Start Num: 209

Candidate Starts for Andromedas_38:

(Start: 209 @28731 has 41 MA's), (227, 28686), (247, 28632), (277, 28572), (300, 28521), (335, 28443), (338, 28437), (351, 28392), (353, 28389), (354, 28386), (367, 28347), (393, 28287), (434, 28164), (437, 28155), (440, 28143), (444, 28131), (451, 28113), (461, 28092), (468, 28080), (568, 27909), (639, 27741), (680, 27576), (688, 27540), (692, 27519), (707, 27477), (735, 27390), (745, 27345), (781, 27246), (802, 27201), (804, 27192), (829, 27132), (833, 27108), (844, 27075), (874, 26964),

Gene: Aneem_45 Start: 30776, Stop: 28989, Start Num: 181

Candidate Starts for Aneem_45:

(Start: 181 @30776 has 918 MA's), (273, 30572), (302, 30500), (311, 30470), (323, 30443), (440, 30191), (466, 30140), (499, 30059), (523, 30014), (586, 29873), (617, 29831), (628, 29786), (649, 29705), (667, 29654), (677, 29618), (692, 29552), (722, 29492), (725, 29480), (760, 29378), (767, 29354), (777, 29336), (816, 29273), (825, 29246), (828, 29237), (832, 29213), (874, 29078), (880, 29066), (884, 29057),

Gene: Anglerfish_45 Start: 34722, Stop: 32896, Start Num: 181

Candidate Starts for Anglerfish_45:

(Start: 181 @34722 has 918 MA's), (277, 34509), (285, 34494), (302, 34446), (311, 34416), (318, 34395), (323, 34389), (328, 34380), (369, 34263), (378, 34236), (438, 34143), (443, 34128), (458, 34095), (483, 34044), (484, 34041), (514, 33975), (530, 33945), (542, 33915), (562, 33870), (583, 33831), (649, 33651), (665, 33603), (677, 33564), (692, 33498), (706, 33459), (722, 33438), (728, 33417), (733, 33399), (757, 33333), (828, 33183), (829, 33180), (836, 33144), (846, 33120), (852, 33111), (856, 33099), (862, 33072), (874, 33024), (884, 33003),

Gene: AngryOrchard_34 Start: 28044, Stop: 26260, Start Num: 181

Candidate Starts for AngryOrchard_34:

(Start: 181 @28044 has 918 MA's), (259, 27873), (291, 27801), (301, 27771), (302, 27768), (316, 27723), (323, 27711), (328, 27702), (341, 27660), (378, 27558), (391, 27537), (419, 27507), (438, 27465), (458, 27417), (489, 27354), (499, 27327), (549, 27222), (553, 27213), (562, 27195), (583, 27156), (649, 26976), (665, 26928), (692, 26823), (693, 26820), (722, 26763), (728, 26742), (769, 26619), (813, 26550), (828, 26508), (829, 26505), (832, 26484), (859, 26406), (874, 26349), (880, 26337), (894, 26298), (900, 26280),

Gene: Anilorac_39 Start: 29011, Stop: 27143, Start Num: 211

Candidate Starts for Anilorac_39:

(98, 29176), (122, 29131), (148, 29086), (Start: 211 @29011 has 115 MA's), (Start: 215 @29002 has 5 MA's), (329, 28744), (330, 28738), (335, 28723), (338, 28717), (406, 28531), (434, 28444), (437, 28435), (440, 28423), (450, 28396), (451, 28393), (458, 28378), (461, 28372), (468, 28360), (480, 28336), (630, 28042), (685, 27829), (688, 27820), (692, 27799), (707, 27757), (735, 27667), (745, 27622), (787, 27508), (802, 27478), (829, 27409), (833, 27385), (846, 27346), (858, 27301),

Gene: AnnaL29_46 Start: 32316, Stop: 30529, Start Num: 181

Candidate Starts for AnnaL29_46:

(Start: 181 @32316 has 918 MA's), (273, 32112), (275, 32109), (286, 32088), (291, 32073), (302, 32040), (311, 32010), (323, 31983), (332, 31962), (341, 31932), (378, 31830), (438, 31737), (458, 31689), (466, 31680), (472, 31665), (499, 31599), (539, 31518), (560, 31470), (596, 31398), (628, 31326), (649, 31245), (667, 31194), (676, 31161), (677, 31158), (692, 31092), (706, 31053), (722, 31032), (745, 30957), (782, 30867), (801, 30831), (816, 30813), (828, 30777), (832, 30753), (855, 30696), (859, 30675), (874, 30618), (880, 30606), (884, 30597),

Gene: AnnaLie_43 Start: 29896, Stop: 31770, Start Num: 171

Candidate Starts for AnnaLie_43:

(Start: 168 @29893 has 7 MA's), (Start: 171 @29896 has 61 MA's), (Start: 219 @29965 has 1 MA's), (227, 29986), (328, 30232), (341, 30274), (450, 30487), (489, 30568), (594, 30802), (635, 30925), (649, 30985), (650, 30991), (667, 31036), (674, 31051), (675, 31066), (683, 31102), (692, 31138), (726, 31231), (758, 31324), (793, 31402), (828, 31474), (836, 31513), (855, 31555), (858, 31573), (868, 31609), (874, 31633), (884, 31654),

Gene: AnnabelLee_40 Start: 28648, Stop: 26867, Start Num: 174

Candidate Starts for AnnabelLee_40:

(129, 28717), (146, 28693), (Start: 158 @28672 has 13 MA's), (167, 28657), (Start: 174 @28648 has 2 MA's), (Start: 232 @28525 has 11 MA's), (252, 28477), (312, 28339), (314, 28333), (335, 28285), (371, 28204), (373, 28198), (381, 28174), (438, 28105), (476, 28024), (489, 27997), (494, 27982), (525, 27919), (550, 27862), (562, 27838), (565, 27832), (583, 27796), (603, 27760), (634, 27688), (646, 27646), (650, 27619), (681, 27523), (686, 27499), (692, 27472), (706, 27433), (730, 27358), (754, 27289), (769, 27241), (782, 27220), (807, 27166), (815, 27151), (833, 27085), (855, 27028), (859, 27007), (860, 27004), (864, 26986), (869, 26971),

Gene: Annyong_45 Start: 31615, Stop: 29789, Start Num: 181

Candidate Starts for Annyong_45:

(Start: 181 @31615 has 918 MA's), (195, 31594), (214, 31564), (224, 31534), (291, 31372), (298, 31354), (302, 31339), (323, 31282), (328, 31273), (370, 31153), (378, 31129), (438, 31036), (460, 30988), (472, 30967), (489, 30928), (549, 30796), (560, 30775), (583, 30730), (586, 30718), (646, 30565), (649, 30544), (685, 30421), (692, 30391), (706, 30352), (728, 30286), (729, 30283), (733, 30268), (739, 30244), (750, 30220), (832, 30013), (874, 29878), (880, 29866), (884, 29857),

Gene: Anon_42 Start: 29008, Stop: 27218, Start Num: 181

Candidate Starts for Anon_42:

(Start: 181 @29008 has 918 MA's), (302, 28729), (303, 28726), (323, 28672), (341, 28621), (378, 28519), (438, 28426), (455, 28381), (458, 28378), (466, 28369), (506, 28270), (539, 28207), (549, 28180), (583, 28114), (628, 28015), (646, 27955), (649, 27934), (667, 27883), (674, 27868), (677, 27847), (680, 27838), (689, 27799), (692, 27781), (728, 27700), (733, 27682), (816, 27502), (825, 27475), (859, 27364), (874, 27307), (880, 27295), (885, 27283),

Gene: Anselm_45 Start: 31702, Stop: 29915, Start Num: 181

Candidate Starts for Anselm_45:

(Start: 181 @31702 has 918 MA's), (273, 31498), (275, 31495), (286, 31474), (291, 31459), (299, 31438), (302, 31426), (303, 31423), (311, 31396), (323, 31369), (332, 31348), (378, 31216), (438, 31123), (458, 31075), (466, 31066), (472, 31051), (499, 30985), (539, 30904), (560, 30856), (595, 30787), (628, 30712), (649, 30631), (667, 30580), (677, 30544), (692, 30478), (706, 30439), (722, 30418), (745, 30343), (757, 30313), (767, 30280), (782, 30253), (801, 30217), (813, 30205), (816, 30199), (828, 30163), (832, 30139), (859, 30061), (874, 30004), (880, 29992), (884, 29983),

Gene: Anthony_39 Start: 28917, Stop: 27130, Start Num: 181

Candidate Starts for Anthony_39:

(Start: 181 @28917 has 918 MA's), (291, 28671), (316, 28593), (323, 28581), (328, 28572), (378, 28428), (438, 28335), (453, 28296), (455, 28290), (458, 28287), (472, 28263), (514, 28167), (527, 28143), (549, 28092), (555, 28077), (562, 28065), (632, 27915), (646, 27867), (649, 27846), (665, 27798), (676, 27762), (692, 27693), (767, 27495), (769, 27489), (796, 27441), (816, 27414), (825, 27387), (859, 27276), (874, 27219), (880, 27207), (884, 27198),

Gene: Antoinette_39 Start: 28922, Stop: 27057, Start Num: 211

Candidate Starts for Antoinette_39:

(Start: 140 @29009 has 3 MA's), (Start: 142 @29006 has 1 MA's), (Start: 211 @28922 has 115 MA's), (Start: 215 @28913 has 5 MA's), (255, 28808), (259, 28799), (275, 28769), (276, 28766), (332, 28646), (335, 28634), (338, 28628), (374, 28523), (384, 28496), (434, 28355), (435, 28349), (437, 28346), (440, 28334), (450, 28307), (451, 28304), (458, 28289), (461, 28283), (466, 28277), (481, 28244), (561, 28115), (584, 28055), (648, 27890), (685, 27740), (688, 27731), (689, 27728), (692, 27710), (707, 27668), (709, 27662), (712, 27653), (718, 27638), (735, 27581), (787, 27422), (802, 27392), (804, 27383), (829, 27323), (833, 27299), (846, 27260), (857, 27227), (858, 27215), (874, 27155),

Gene: Anubis_51 Start: 31739, Stop: 29925, Start Num: 181

Candidate Starts for Anubis_51:

(Start: 181 @31739 has 918 MA's), (206, 31700), (214, 31688), (273, 31535), (281, 31520), (302, 31463), (323, 31406), (328, 31397), (341, 31355), (360, 31304), (378, 31253), (438, 31160), (458, 31112), (466, 31103), (472, 31088), (489, 31049), (499, 31022), (514, 30992), (555, 30899), (584, 30839), (595, 30824), (649, 30668), (677, 30581), (692, 30515), (706, 30476), (729, 30404), (739, 30365), (750, 30341), (757, 30323), (767, 30290), (782, 30263), (816, 30209), (832, 30149), (859, 30071), (874, 30014), (880, 30002), (884, 29993),

Gene: AppleCloud_34 Start: 28055, Stop: 26271, Start Num: 181

Candidate Starts for AppleCloud_34:

(Start: 181 @28055 has 918 MA's), (259, 27884), (288, 27821), (301, 27782), (302, 27779), (316, 27734), (323, 27722), (328, 27713), (340, 27674), (378, 27569), (438, 27476), (458, 27428), (489, 27365), (499, 27338), (549, 27233), (562, 27206), (583, 27167), (649, 26987), (665, 26939), (692, 26834), (693, 26831), (722, 26774), (728, 26753), (741, 26705), (769, 26630), (813, 26561), (828, 26519), (829, 26516), (832, 26495), (836, 26480), (859, 26417), (874, 26360), (880, 26348), (894, 26309), (900, 26291),

Gene: Applejack_40 Start: 31240, Stop: 29414, Start Num: 181

Candidate Starts for Applejack_40:

(Start: 181 @31240 has 918 MA's), (277, 31027), (311, 30934), (318, 30913), (323, 30907), (328, 30898), (369, 30781), (378, 30754), (438, 30661), (443, 30646), (458, 30613), (483, 30562), (484, 30559), (514, 30493), (530, 30463), (542, 30433), (562, 30388), (583, 30349), (649, 30169), (665, 30121), (677, 30082), (692, 30016), (706, 29977), (722, 29956), (728, 29935), (733, 29917), (757, 29851), (828, 29701), (829, 29698), (836, 29662), (846, 29638), (852, 29629), (856, 29617), (862, 29590), (874, 29542), (884, 29521),

Gene: Aragog_37 Start: 30134, Stop: 28275, Start Num: 181

Candidate Starts for Aragog_37:

(Start: 181 @30134 has 918 MA's), (214, 30083), (236, 30023), (261, 29960), (273, 29930), (275, 29927), (299, 29870), (302, 29858), (311, 29828), (323, 29801), (378, 29648), (438, 29552), (458, 29504), (471, 29483), (497, 29420), (499, 29414), (537, 29342), (549, 29309), (555, 29294), (562, 29282), (614, 29183), (649, 29048), (660, 29018), (665, 29000), (674, 28982), (677, 28961), (680, 28952), (692, 28895), (706, 28856), (728, 28814), (733, 28796), (750, 28748), (767, 28697), (796, 28643), (801, 28634), (816, 28616), (832, 28556), (837, 28538), (868, 28445), (874, 28421), (880, 28409), (930, 28292), (931, 28289),

Gene: AranulaLuti_38 Start: 28619, Stop: 26754, Start Num: 211

Candidate Starts for AranulaLuti_38:

(Start: 140 @28706 has 3 MA's), (Start: 142 @28703 has 1 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (561, 27812), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (712, 27350), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080),

(829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: Arcanine_46 Start: 34538, Stop: 32751, Start Num: 181

Candidate Starts for Arcanine_46:

(Start: 181 @34538 has 918 MA's), (277, 34325), (285, 34310), (311, 34232), (318, 34211), (323, 34205), (328, 34196), (369, 34079), (378, 34052), (438, 33959), (443, 33944), (458, 33911), (483, 33860), (484, 33857), (514, 33791), (530, 33761), (542, 33731), (562, 33686), (583, 33647), (649, 33467), (665, 33419), (677, 33380), (692, 33314), (725, 33242), (728, 33233), (757, 33149), (796, 33062), (846, 32936), (853, 32924), (874, 32840), (878, 32834),

Gene: ArcherNM_42 Start: 31769, Stop: 29982, Start Num: 181

Candidate Starts for ArcherNM_42:

(Start: 181 @31769 has 918 MA's), (273, 31565), (275, 31562), (277, 31556), (286, 31541), (291, 31526), (302, 31493), (303, 31490), (311, 31463), (323, 31436), (332, 31415), (341, 31385), (378, 31283), (438, 31190), (458, 31142), (466, 31133), (472, 31118), (499, 31052), (539, 30971), (560, 30923), (562, 30917), (628, 30779), (649, 30698), (667, 30647), (676, 30614), (677, 30611), (692, 30545), (706, 30506), (722, 30485), (745, 30410), (767, 30347), (782, 30320), (801, 30284), (816, 30266), (828, 30230), (832, 30206), (855, 30149), (859, 30128), (874, 30071), (880, 30059), (884, 30050),

Gene: Archetta_38 Start: 30664, Stop: 28820, Start Num: 181

Candidate Starts for Archetta_38:

(Start: 181 @30664 has 918 MA's), (214, 30613), (236, 30553), (261, 30490), (273, 30460), (275, 30457), (299, 30400), (302, 30388), (311, 30358), (323, 30331), (360, 30229), (366, 30214), (378, 30178), (422, 30118), (438, 30082), (458, 30034), (497, 29950), (499, 29944), (537, 29872), (549, 29839), (555, 29824), (562, 29812), (614, 29713), (649, 29578), (660, 29548), (665, 29530), (667, 29527), (677, 29491), (680, 29482), (683, 29461), (686, 29452), (692, 29425), (693, 29422), (722, 29365), (728, 29344), (767, 29227), (796, 29173), (801, 29164), (816, 29146), (837, 29068), (858, 29011), (868, 28975), (874, 28951), (880, 28939),

Gene: Arissanae_44 Start: 32041, Stop: 30248, Start Num: 181

Candidate Starts for Arissanae_44:

(Start: 181 @32041 has 918 MA's), (187, 32032), (244, 31903), (273, 31837), (282, 31819), (291, 31795), (303, 31759), (311, 31732), (316, 31717), (323, 31705), (341, 31654), (377, 31555), (378, 31552), (438, 31459), (447, 31435), (514, 31291), (557, 31195), (586, 31132), (616, 31093), (618, 31087), (649, 30964), (685, 30841), (692, 30811), (706, 30772), (725, 30739), (728, 30730), (733, 30712), (767, 30613), (801, 30550), (813, 30538), (825, 30505), (828, 30496), (859, 30394), (874, 30337), (880, 30325), (884, 30316),

Gene: Arlo_42 Start: 34069, Stop: 32243, Start Num: 181

Candidate Starts for Arlo_42:

(Start: 181 @34069 has 918 MA's), (277, 33856), (302, 33793), (311, 33763), (318, 33742), (323, 33736), (328, 33727), (369, 33610), (378, 33583), (438, 33490), (443, 33475), (483, 33391), (484, 33388), (514, 33322), (530, 33292), (542, 33262), (562, 33217), (583, 33178), (649, 32998), (665, 32950), (677, 32911), (692, 32845), (706, 32806), (722, 32785), (728, 32764), (733, 32746), (757, 32680), (828, 32530), (829, 32527), (836, 32491), (846, 32467), (852, 32458), (856, 32446), (874, 32371), (884, 32350),

Gene: Armstrong_40 Start: 27439, Stop: 29307, Start Num: 168

Candidate Starts for Armstrong_40:

(Start: 168 @27439 has 7 MA's), (Start: 171 @27442 has 61 MA's), (173, 27445), (Start: 219 @27514 has 1 MA's), (333, 27796), (341, 27823), (366, 27877), (453, 28042), (489, 28117), (497, 28138), (635, 28492), (649, 28552), (667, 28603), (683, 28669), (692, 28705), (726, 28798), (793, 28969), (828,

29041), (855, 29122), (873, 29197), (874, 29200), (884, 29221), (910, 29290),

Gene: Arroyo_43 Start: 30004, Stop: 31878, Start Num: 171

Candidate Starts for Arroyo_43:

(Start: 171 @30004 has 61 MA's), (Start: 219 @30073 has 1 MA's), (227, 30094), (328, 30340), (333, 30355), (341, 30382), (489, 30676), (549, 30811), (594, 30910), (635, 31033), (649, 31093), (650, 31099), (667, 31144), (674, 31159), (675, 31174), (683, 31210), (692, 31246), (726, 31339), (758, 31432), (793, 31510), (828, 31582), (836, 31621), (855, 31663), (858, 31681), (868, 31717), (874, 31741), (884, 31762),

Gene: Artemis2UCLA_45 Start: 29324, Stop: 27483, Start Num: 181

Candidate Starts for Artemis2UCLA_45:

(Start: 157 @29354 has 1 MA's), (Start: 181 @29324 has 918 MA's), (273, 29120), (302, 29045), (303, 29042), (311, 29015), (316, 29000), (323, 28988), (341, 28937), (374, 28847), (378, 28835), (438, 28742), (453, 28703), (466, 28685), (472, 28670), (499, 28604), (516, 28571), (517, 28568), (564, 28466), (595, 28406), (628, 28322), (649, 28241), (676, 28157), (677, 28154), (680, 28145), (685, 28118), (692, 28088), (722, 28028), (733, 27989), (828, 27773), (829, 27770), (832, 27749), (874, 27614), (880, 27602), (884, 27593), (885, 27590), (923, 27497),

Gene: Artu_91 Start: 75022, Stop: 76743, Start Num: 227

Candidate Starts for Artu_91:

(Start: 190 @74947 has 7 MA's), (213, 74980), (Start: 219 @75001 has 1 MA's), (Start: 223 @75010 has 1 MA's), (227, 75022), (326, 75259), (335, 75286), (338, 75292), (420, 75427), (476, 75544), (489, 75571), (491, 75577), (494, 75586), (521, 75640), (583, 75772), (589, 75793), (610, 75820), (624, 75868), (634, 75901), (646, 75940), (649, 75961), (650, 75967), (676, 76051), (683, 76084), (705, 76168), (706, 76171), (726, 76234), (730, 76246), (739, 76282), (753, 76312), (754, 76315), (774, 76369), (783, 76387), (820, 76471), (828, 76492), (833, 76519), (837, 76534), (855, 76573), (858, 76591), (862, 76603), (864, 76615), (865, 76618), (874, 76651), (884, 76678),

Gene: Arturo_44 Start: 31826, Stop: 30000, Start Num: 181

Candidate Starts for Arturo_44:

(Start: 181 @31826 has 918 MA's), (195, 31805), (214, 31775), (224, 31745), (291, 31583), (298, 31565), (323, 31493), (328, 31484), (370, 31364), (378, 31340), (438, 31247), (460, 31199), (489, 31139), (549, 31007), (560, 30986), (583, 30941), (586, 30929), (646, 30776), (649, 30755), (685, 30632), (692, 30602), (706, 30563), (728, 30497), (729, 30494), (733, 30479), (739, 30455), (750, 30431), (832, 30224), (874, 30089), (880, 30077), (884, 30068),

Gene: Asa16_39 Start: 30354, Stop: 32219, Start Num: 181

Candidate Starts for Asa16_39:

(Start: 181 @30354 has 918 MA's), (213, 30402), (290, 30585), (293, 30591), (311, 30651), (318, 30672), (345, 30741), (443, 30957), (484, 31047), (489, 31056), (494, 31071), (516, 31116), (560, 31209), (619, 31347), (649, 31467), (660, 31497), (677, 31554), (690, 31611), (692, 31620), (703, 31644), (726, 31713), (750, 31785), (754, 31794), (799, 31893), (828, 31956), (874, 32115), (879, 32124),

Gene: Ascela_41 Start: 29607, Stop: 31472, Start Num: 181

Candidate Starts for Ascela_41:

(Start: 181 @29607 has 918 MA's), (213, 29655), (277, 29820), (311, 29904), (345, 29994), (440, 30201), (443, 30210), (484, 30300), (489, 30309), (494, 30324), (560, 30462), (619, 30600), (649, 30720), (660, 30750), (677, 30807), (692, 30873), (726, 30966), (750, 31038), (874, 31368), (879, 31377),

Gene: Ashballer_46 Start: 35324, Stop: 33498, Start Num: 181

Candidate Starts for Ashballer_46:

(Start: 181 @35324 has 918 MA's), (277, 35111), (285, 35096), (311, 35018), (318, 34997), (323, 34991), (328, 34982), (369, 34865), (378, 34838), (438, 34745), (443, 34730), (458, 34697), (483, 34646), (484, 34643), (514, 34577), (530, 34547), (542, 34517), (562, 34472), (583, 34433), (649, 34253), (665, 34205), (677, 34166), (692, 34100), (706, 34061), (722, 34040), (728, 34019), (733, 34001), (757, 33935), (828, 33785), (829, 33782), (836, 33746), (846, 33722), (852, 33713), (856, 33701), (862, 33674), (874, 33626), (884, 33605),

Gene: Ashes_38 Start: 27734, Stop: 29716, Start Num: 181

Candidate Starts for Ashes_38:

(Start: 181 @27734 has 918 MA's), (261, 27908), (273, 27938), (293, 27971), (303, 28004), (332, 28079), (340, 28106), (377, 28208), (420, 28307), (489, 28481), (499, 28508), (560, 28637), (619, 28775), (643, 28862), (649, 28895), (660, 28925), (677, 28982), (692, 29048), (726, 29141), (756, 29228), (832, 29408), (839, 29432), (874, 29543), (919, 29651),

Gene: Asis_48 Start: 39369, Stop: 37369, Start Num: 232

Candidate Starts for Asis_48:

(Start: 232 @39369 has 11 MA's), (261, 39300), (310, 39168), (312, 39162), (314, 39156), (332, 39108), (335, 39096), (338, 39090), (344, 39069), (349, 39054), (375, 38985), (413, 38844), (447, 38748), (484, 38661), (494, 38637), (499, 38625), (502, 38613), (539, 38544), (592, 38397), (632, 38292), (638, 38277), (650, 38220), (658, 38199), (672, 38157), (678, 38127), (685, 38094), (696, 38040), (703, 38010), (719, 37941), (722, 37920), (739, 37857), (748, 37839), (753, 37827), (761, 37803), (832, 37602), (833, 37599), (839, 37578), (856, 37545), (859, 37527), (868, 37494), (874, 37470), (893, 37422),

Gene: Asta_38 Start: 28632, Stop: 26767, Start Num: 211

Candidate Starts for Asta_38:

(Start: 140 @28719 has 3 MA's), (Start: 211 @28632 has 115 MA's), (Start: 215 @28623 has 5 MA's), (255, 28518), (259, 28509), (275, 28479), (276, 28476), (332, 28356), (335, 28344), (338, 28338), (374, 28233), (384, 28206), (434, 28065), (435, 28059), (437, 28056), (440, 28044), (450, 28017), (451, 28014), (458, 27999), (461, 27993), (466, 27987), (481, 27954), (561, 27825), (584, 27765), (685, 27450), (688, 27441), (689, 27438), (692, 27420), (707, 27378), (709, 27372), (718, 27348), (735, 27291), (787, 27132), (802, 27102), (804, 27093), (829, 27033), (833, 27009), (846, 26970), (857, 26937), (858, 26925), (874, 26865),

Gene: Astro_42 Start: 30542, Stop: 28698, Start Num: 181

Candidate Starts for Astro_42:

(89, 30707), (Start: 181 @30542 has 918 MA's), (214, 30491), (261, 30368), (273, 30338), (291, 30299), (302, 30266), (311, 30236), (318, 30215), (323, 30209), (328, 30200), (341, 30158), (360, 30107), (377, 30059), (378, 30056), (438, 29960), (448, 29933), (455, 29915), (458, 29912), (466, 29903), (489, 29849), (499, 29822), (524, 29774), (549, 29717), (562, 29690), (586, 29639), (596, 29624), (646, 29477), (649, 29456), (660, 29426), (665, 29408), (667, 29405), (674, 29390), (677, 29369), (680, 29360), (685, 29333), (689, 29321), (692, 29303), (728, 29222), (731, 29210), (750, 29156), (763, 29120), (779, 29084), (796, 29051), (813, 29030), (816, 29024), (829, 28985), (832, 28964), (837, 28946), (874, 28829), (880, 28817),

Gene: Atkinbua_46 Start: 34825, Stop: 32999, Start Num: 181

Candidate Starts for Atkinbua_46:

(Start: 181 @34825 has 918 MA's), (277, 34612), (311, 34519), (318, 34498), (323, 34492), (328, 34483), (369, 34366), (378, 34339), (438, 34246), (443, 34231), (483, 34147), (484, 34144), (514, 34078), (530, 34048), (542, 34018), (562, 33973), (583, 33934), (649, 33754), (665, 33706), (677, 33667), (692, 33601), (706, 33562), (722, 33541), (728, 33520), (733, 33502), (757, 33436), (828, 33286), (829, 33283), (836, 33247), (852, 33214), (856, 33202), (874, 33127), (884, 33106),

Gene: Attoomi_34 Start: 26889, Stop: 28748, Start Num: 181

Candidate Starts for Attoomi_34:

(148, 26838), (Start: 181 @26889 has 918 MA's), (275, 27099), (285, 27120), (295, 27144), (317, 27216), (328, 27234), (332, 27246), (353, 27306), (366, 27342), (380, 27384), (440, 27474), (455, 27513), (472, 27546), (481, 27567), (489, 27585), (494, 27600), (499, 27612), (508, 27633), (531, 27672), (539, 27690), (542, 27699), (549, 27717), (550, 27720), (560, 27738), (583, 27783), (588, 27801), (591, 27807), (594, 27816), (614, 27861), (631, 27924), (632, 27927), (650, 28002), (675, 28077), (680, 28092), (682, 28107), (684, 28116), (692, 28149), (711, 28203), (750, 28314), (754, 28323), (813, 28443), (825, 28476), (833, 28512), (871, 28632), (874, 28644), (878, 28650), (917, 28740),

Gene: Atuin_93 Start: 78349, Stop: 80142, Start Num: 190

Candidate Starts for Atuin_93:

(Start: 190 @78349 has 7 MA's), (Start: 219 @78403 has 1 MA's), (Start: 223 @78412 has 1 MA's), (227, 78424), (314, 78643), (326, 78661), (335, 78688), (338, 78694), (381, 78799), (476, 78946), (489, 78973), (494, 78988), (521, 79042), (618, 79243), (624, 79270), (634, 79303), (646, 79342), (649, 79363), (650, 79369), (683, 79486), (705, 79570), (706, 79573), (726, 79636), (730, 79648), (739, 79684), (754, 79717), (774, 79771), (783, 79789), (828, 79894), (833, 79921), (837, 79936), (853, 79969), (855, 79975), (858, 79993), (862, 80005), (864, 80017), (865, 80020), (874, 80053), (892, 80104),

Gene: Aubergine_38 Start: 28632, Stop: 26767, Start Num: 211

Candidate Starts for Aubergine_38:

(Start: 140 @28719 has 3 MA's), (Start: 142 @28716 has 1 MA's), (Start: 211 @28632 has 115 MA's), (Start: 215 @28623 has 5 MA's), (255, 28518), (259, 28509), (275, 28479), (276, 28476), (332, 28356), (335, 28344), (338, 28338), (374, 28233), (384, 28206), (434, 28065), (435, 28059), (437, 28056), (440, 28044), (450, 28017), (451, 28014), (458, 27999), (461, 27993), (466, 27987), (481, 27954), (561, 27825), (584, 27765), (685, 27450), (688, 27441), (689, 27438), (692, 27420), (707, 27378), (709, 27372), (712, 27363), (718, 27348), (735, 27291), (787, 27132), (802, 27102), (804, 27093), (829, 27033), (833, 27009), (846, 26970), (857, 26937), (858, 26925), (874, 26865),

Gene: Audell_40 Start: 31335, Stop: 29554, Start Num: 174

Candidate Starts for Audell_40:

(148, 31377), (151, 31371), (Start: 174 @31335 has 2 MA's), (199, 31296), (220, 31254), (335, 30972), (341, 30954), (373, 30885), (381, 30861), (420, 30831), (438, 30792), (441, 30783), (476, 30711), (489, 30684), (494, 30669), (525, 30606), (550, 30549), (562, 30525), (565, 30519), (583, 30483), (586, 30471), (603, 30447), (646, 30333), (649, 30312), (650, 30306), (666, 30261), (681, 30210), (686, 30186), (692, 30159), (706, 30120), (714, 30093), (739, 30009), (754, 29976), (767, 29934), (769, 29928), (782, 29907), (807, 29853), (815, 29838), (824, 29811), (833, 29772), (844, 29742), (855, 29715), (859, 29694), (860, 29691), (864, 29673), (869, 29658), (899, 29565),

Gene: AugsMagnumOpus_51 Start: 31845, Stop: 30031, Start Num: 181

Candidate Starts for AugsMagnumOpus_51:

(Start: 181 @31845 has 918 MA's), (206, 31806), (214, 31794), (273, 31641), (281, 31626), (302, 31569), (323, 31512), (328, 31503), (341, 31461), (360, 31410), (378, 31359), (438, 31266), (458, 31218), (466, 31209), (472, 31194), (489, 31155), (499, 31128), (514, 31098), (555, 31005), (562, 30993), (584, 30945), (595, 30930), (649, 30774), (677, 30687), (692, 30621), (706, 30582), (729, 30510), (739, 30471), (750, 30447), (757, 30429), (767, 30396), (782, 30369), (816, 30315), (832, 30255), (859, 30177), (874, 30120), (880, 30108), (884, 30099),

Gene: AvGardian_44 Start: 29897, Stop: 31789, Start Num: 171

Candidate Starts for AvGardian_44:

(Start: 171 @29897 has 61 MA's), (Start: 219 @29966 has 1 MA's), (227, 29987), (315, 30209), (328, 30233), (332, 30245), (333, 30248), (458, 30503), (489, 30569), (594, 30821), (635, 30944), (644, 30974), (649, 31004), (650, 31010), (667, 31055), (675, 31085), (683, 31121), (686, 31130), (692, 31157), (726, 31250), (758, 31343), (793, 31421), (795, 31424), (828, 31493), (832, 31517), (836, 31532), (855, 31574), (874, 31652), (884, 31673), (885, 31676), (892, 31697),

Gene: AvatarAhPeg_44 Start: 32048, Stop: 30219, Start Num: 181

Candidate Starts for AvatarAhPeg_44:

(Start: 181 @32048 has 918 MA's), (214, 31997), (291, 31805), (298, 31787), (323, 31715), (328, 31706), (370, 31586), (378, 31562), (438, 31469), (460, 31421), (472, 31400), (489, 31361), (506, 31316), (510, 31310), (549, 31229), (553, 31220), (560, 31208), (583, 31163), (586, 31151), (649, 30977), (680, 30881), (685, 30854), (686, 30851), (692, 30824), (706, 30785), (728, 30716), (729, 30713), (733, 30698), (739, 30674), (750, 30650), (753, 30644), (832, 30443), (874, 30308), (880, 30296), (884, 30287),

Gene: Avle17_45 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for Avle17_45:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: Avocadoman_41 Start: 29025, Stop: 30899, Start Num: 171

Candidate Starts for Avocadoman_41:

(Start: 171 @29025 has 61 MA's), (227, 29115), (328, 29361), (333, 29376), (341, 29403), (489, 29697), (549, 29832), (594, 29931), (635, 30054), (649, 30114), (650, 30120), (667, 30165), (674, 30180), (675, 30195), (683, 30231), (692, 30267), (726, 30360), (758, 30453), (793, 30531), (828, 30603), (836, 30642), (855, 30684), (858, 30702), (868, 30738), (874, 30762), (884, 30783),

Gene: AxiPup_39 Start: 28904, Stop: 27039, Start Num: 211

Candidate Starts for AxiPup_39:

(Start: 140 @28991 has 3 MA's), (Start: 142 @28988 has 1 MA's), (Start: 211 @28904 has 115 MA's), (Start: 215 @28895 has 5 MA's), (255, 28790), (259, 28781), (275, 28751), (276, 28748), (332, 28628), (335, 28616), (338, 28610), (374, 28505), (384, 28478), (434, 28337), (435, 28331), (437, 28328), (440, 28316), (450, 28289), (451, 28286), (458, 28271), (461, 28265), (466, 28259), (481, 28226), (561, 28097), (584, 28037), (622, 27962), (685, 27722), (688, 27713), (689, 27710), (692, 27692), (707, 27650), (709, 27644), (712, 27635), (718, 27620), (735, 27563), (787, 27404), (802, 27374), (804, 27365), (829, 27305), (833, 27281), (846, 27242), (857, 27209), (858, 27197), (874, 27137),

Gene: Axym_42 Start: 32451, Stop: 30058, Start Num: 20

Candidate Starts for Axym_42:

(Start: 20 @32451 has 19 MA's), (28, 32445), (Start: 35 @32397 has 1 MA's), (43, 32355), (49, 32331), (69, 32205), (73, 32181), (97, 32136), (123, 32085), (132, 32070), (Start: 142 @32049 has 1 MA's), (176, 32001), (204, 31959), (238, 31884), (240, 31872), (274, 31803), (288, 31776), (290, 31770), (296, 31755), (312, 31701), (313, 31698), (329, 31680), (335, 31659), (355, 31599), (404, 31476), (405, 31470), (427, 31401), (440, 31359), (496, 31272), (519, 31248), (542, 31242), (552, 31218), (556, 31209), (563, 31194), (570, 31182), (590, 31140), (596, 31137), (598, 31134), (648, 30987), (659, 30918), (661, 30912), (672, 30876), (692, 30783), (705, 30747), (707, 30741), (709, 30735), (711, 30729), (729, 30672), (735, 30648), (745, 30603), (873, 30225), (874, 30222), (889, 30177), (891, 30168), (911, 30108),

Gene: Ayanochan_46 Start: 31538, Stop: 29745, Start Num: 181

Candidate Starts for Ayanochan_46:

(Start: 181 @31538 has 918 MA's), (187, 31529), (214, 31487), (259, 31367), (261, 31364), (282, 31316), (303, 31256), (312, 31226), (316, 31214), (323, 31202), (378, 31049), (438, 30956), (499, 30818), (514, 30788), (586, 30629), (595, 30617), (616, 30590), (646, 30482), (649, 30461), (689, 30326), (692, 30308), (728, 30227), (739, 30185), (767, 30110), (813, 30035), (828, 29993), (859, 29891), (874, 29834), (880, 29822), (884, 29813),

Gene: AylexOG_44 Start: 29970, Stop: 31844, Start Num: 171

Candidate Starts for AylexOG_44:

(Start: 168 @29967 has 7 MA's), (Start: 171 @29970 has 61 MA's), (Start: 219 @30039 has 1 MA's), (227, 30060), (273, 30177), (302, 30240), (328, 30306), (341, 30348), (489, 30642), (549, 30777), (594, 30876), (635, 30999), (649, 31059), (650, 31065), (667, 31110), (674, 31125), (675, 31140), (683, 31176), (692, 31212), (726, 31305), (758, 31398), (793, 31476), (828, 31548), (836, 31587), (855, 31629), (858, 31647), (874, 31707), (884, 31728),

Gene: Azira_40 Start: 32021, Stop: 29664, Start Num: 26

Candidate Starts for Azira_40:

(24, 32030), (Start: 26 @32021 has 25 MA's), (31, 32006), (34, 31970), (58, 31835), (73, 31772), (94, 31730), (99, 31718), (161, 31616), (165, 31613), (214, 31538), (229, 31499), (238, 31478), (263, 31427), (284, 31385), (296, 31355), (312, 31301), (329, 31280), (335, 31259), (357, 31196), (407, 31061), (412, 31046), (421, 31019), (427, 31001), (456, 30917), (492, 30881), (570, 30788), (590, 30746), (596, 30743), (598, 30740), (614, 30716), (618, 30704), (621, 30692), (653, 30551), (659, 30524), (692, 30389), (705, 30353), (707, 30347), (709, 30341), (711, 30335), (718, 30311), (729, 30278), (735, 30254), (745, 30209), (748, 30203), (768, 30143), (817, 30035), (835, 29966), (838, 29954), (848, 29930), (868, 29852), (874, 29828), (896, 29759),

Gene: B1_42 Start: 30729, Stop: 28891, Start Num: 181

Candidate Starts for B1_42:

(133, 30801), (Start: 181 @30729 has 918 MA's), (214, 30678), (273, 30525), (291, 30486), (302, 30453), (323, 30396), (328, 30387), (332, 30375), (370, 30267), (378, 30243), (438, 30147), (460, 30099), (489, 30039), (549, 29907), (560, 29886), (595, 29817), (618, 29772), (628, 29730), (649, 29649), (677, 29562), (685, 29526), (692, 29496), (729, 29385), (739, 29346), (750, 29322), (757, 29304), (813, 29181), (816, 29175), (832, 29115), (873, 28983), (874, 28980), (880, 28968), (884, 28959),

Gene: BABullseye_43 Start: 29170, Stop: 27329, Start Num: 181

Candidate Starts for BABullseye_43:

(Start: 181 @29170 has 918 MA's), (273, 28966), (302, 28891), (303, 28888), (311, 28861), (316, 28846), (323, 28834), (341, 28783), (374, 28693), (378, 28681), (438, 28588), (453, 28549), (466, 28531), (472, 28516), (499, 28450), (516, 28417), (517, 28414), (564, 28312), (595, 28252), (628, 28168), (649, 28087), (676, 28003), (677, 28000), (680, 27991), (685, 27964), (692, 27934), (722, 27874), (733, 27835), (828, 27619), (829, 27616), (832, 27595), (874, 27460), (880, 27448), (884, 27439), (885, 27436), (923, 27343),

Gene: BAJuniper_43 Start: 30818, Stop: 32689, Start Num: 171

Candidate Starts for BAJuniper_43:

(Start: 171 @30818 has 61 MA's), (227, 30908), (261, 30995), (273, 31025), (328, 31154), (470, 31445), (489, 31490), (494, 31505), (539, 31598), (635, 31844), (649, 31904), (667, 31955), (674, 31970), (683, 32021), (686, 32030), (692, 32057), (726, 32150), (750, 32222), (758, 32243), (793, 32321), (795, 32324), (828, 32393), (855, 32474), (857, 32480), (868, 32528), (874, 32552), (884, 32573), (892, 32597),

Gene: BK1_41 Start: 33551, Stop: 31725, Start Num: 181

Candidate Starts for BK1_41:

(Start: 181 @33551 has 918 MA's), (277, 33338), (285, 33323), (302, 33275), (311, 33245), (318, 33224), (323, 33218), (328, 33209), (358, 33125), (360, 33116), (369, 33092), (378, 33065), (438, 32972), (443, 32957), (451, 32936), (458, 32924), (483, 32873), (484, 32870), (506, 32816), (514, 32804), (530, 32774), (542, 32744), (562, 32699), (583, 32660), (649, 32480), (665, 32432), (677, 32393), (692, 32327), (706, 32288), (722, 32267), (728, 32246), (733, 32228), (757, 32162), (828, 32012), (829, 32009), (836, 31973), (846, 31949), (852, 31940), (856, 31928), (874, 31853), (884, 31832),

Gene: BPBiebs31_45 Start: 34673, Stop: 32844, Start Num: 181

Candidate Starts for BPBiebs31_45:

(Start: 181 @34673 has 918 MA's), (277, 34460), (302, 34397), (311, 34367), (318, 34346), (323, 34340), (328, 34331), (369, 34214), (378, 34187), (438, 34094), (443, 34079), (483, 33995), (484, 33992), (514, 33926), (530, 33896), (542, 33866), (562, 33821), (583, 33782), (649, 33602), (665, 33554), (680, 33506), (689, 33467), (692, 33449), (706, 33410), (722, 33389), (728, 33368), (732, 33353), (779, 33230), (853, 33059), (858, 33035), (871, 32987), (874, 32975), (884, 32954), (887, 32948), (903, 32900), (908, 32885),

Gene: BRock_133 Start: 70485, Stop: 72557, Start Num: 198

Candidate Starts for BRock_133:

(163, 70437), (169, 70449), (179, 70458), (Start: 182 @70461 has 1 MA's), (Start: 198 @70485 has 6 MA's), (234, 70575), (249, 70626), (251, 70629), (255, 70641), (268, 70674), (324, 70845), (338, 70884), (349, 70920), (397, 71040), (430, 71094), (431, 71097), (489, 71229), (491, 71235), (497, 71250), (524, 71301), (651, 71685), (679, 71802), (682, 71820), (711, 71916), (714, 71928), (724, 71982), (739, 72042), (742, 72051), (748, 72060), (763, 72102), (794, 72186), (802, 72204), (808, 72219), (819, 72246), (836, 72318), (837, 72321), (874, 72465), (895, 72519),

Gene: Baby16_45 Start: 31581, Stop: 29755, Start Num: 181

Candidate Starts for Baby16_45:

(Start: 181 @31581 has 918 MA's), (195, 31560), (214, 31530), (224, 31500), (291, 31338), (298, 31320), (323, 31248), (328, 31239), (370, 31119), (378, 31095), (438, 31002), (460, 30954), (472, 30933), (489, 30894), (549, 30762), (560, 30741), (583, 30696), (586, 30684), (646, 30531), (649, 30510), (685, 30387), (692, 30357), (706, 30318), (728, 30252), (729, 30249), (733, 30234), (739, 30210), (750, 30186), (832, 29979), (874, 29844), (880, 29832), (884, 29823),

Gene: BabyBack_43 Start: 31842, Stop: 30049, Start Num: 181

Candidate Starts for BabyBack_43:

(76, 32046), (Start: 181 @31842 has 918 MA's), (302, 31563), (303, 31560), (311, 31533), (316, 31518), (323, 31506), (328, 31497), (374, 31365), (378, 31353), (438, 31260), (458, 31212), (466, 31203), (472, 31188), (499, 31122), (523, 31077), (539, 31041), (649, 30765), (676, 30681), (685, 30642), (692, 30612), (706, 30573), (725, 30540), (728, 30531), (828, 30297), (859, 30195), (874, 30138), (880, 30126), (884, 30117),

Gene: BabyDaisy_42 Start: 29859, Stop: 31733, Start Num: 171

Candidate Starts for BabyDaisy_42:

(Start: 168 @29856 has 7 MA's), (Start: 171 @29859 has 61 MA's), (Start: 219 @29928 has 1 MA's), (227, 29949), (328, 30195), (366, 30291), (489, 30531), (594, 30765), (634, 30885), (635, 30888), (649, 30948), (650, 30954), (674, 31014), (675, 31029), (683, 31065), (692, 31101), (726, 31194), (793, 31365), (795, 31368), (828, 31437), (836, 31476), (855, 31518), (858, 31536), (868, 31572), (874, 31596), (884, 31617),

Gene: BabyGotBac_49 Start: 39369, Stop: 37369, Start Num: 232

Candidate Starts for BabyGotBac_49:

(Start: 232 @39369 has 11 MA's), (261, 39300), (310, 39168), (312, 39162), (314, 39156), (332, 39108), (335, 39096), (338, 39090), (344, 39069), (349, 39054), (375, 38985), (413, 38844), (447, 38748), (484, 38661), (494, 38637), (499, 38625), (502, 38613), (539, 38544), (592, 38397), (632, 38292), (638, 38277), (650, 38220), (658, 38199), (672, 38157), (678, 38127), (685, 38094), (696, 38040), (703, 38010), (719, 37941), (722, 37920), (739, 37857), (748, 37839), (753, 37827), (761, 37803), (832, 37602), (833, 37599), (856, 37545), (859, 37527), (868, 37494), (874, 37470), (893, 37422),

Gene: BabyJohn_43 Start: 31521, Stop: 29683, Start Num: 181

Candidate Starts for BabyJohn_43:

(133, 31593), (Start: 181 @31521 has 918 MA's), (214, 31470), (273, 31317), (291, 31278), (302, 31245), (323, 31188), (328, 31179), (332, 31167), (370, 31059), (378, 31035), (381, 31026), (438, 30939), (460, 30891), (489, 30831), (517, 30768), (560, 30678), (618, 30564), (649, 30441), (677, 30354), (685, 30318), (692, 30288), (729, 30177), (739, 30138), (750, 30114), (757, 30096), (758, 30093), (813, 29973), (816, 29967), (832, 29907), (873, 29775), (874, 29772), (880, 29760), (884, 29751),

Gene: BabyRay_45 Start: 31465, Stop: 29627, Start Num: 181

Candidate Starts for BabyRay_45:

(Start: 181 @31465 has 918 MA's), (214, 31414), (273, 31261), (277, 31252), (299, 31201), (302, 31189), (323, 31132), (328, 31123), (370, 31003), (374, 30991), (378, 30979), (438, 30883), (460, 30835), (489, 30775), (517, 30712), (549, 30643), (560, 30622), (595, 30553), (598, 30547), (618, 30508), (649, 30385), (677, 30298), (685, 30262), (692, 30232), (704, 30202), (729, 30121), (739, 30082), (750, 30058), (757, 30040), (816, 29911), (832, 29851), (874, 29716), (880, 29704), (884, 29695),

Gene: BabyYoda_43 Start: 30631, Stop: 32505, Start Num: 171

Candidate Starts for BabyYoda_43:

(Start: 171 @30631 has 61 MA's), (Start: 219 @30700 has 1 MA's), (227, 30721), (302, 30901), (328, 30967), (333, 30982), (341, 31009), (489, 31303), (594, 31537), (634, 31657), (635, 31660), (649, 31720), (650, 31726), (667, 31771), (674, 31786), (675, 31801), (683, 31837), (692, 31873), (726, 31966), (758, 32059), (793, 32137), (795, 32140), (828, 32209), (832, 32233), (836, 32248), (855, 32290), (858, 32308), (874, 32368), (884, 32389),

Gene: Bachaco_40 Start: 30596, Stop: 32467, Start Num: 171

Candidate Starts for Bachaco_40:

(Start: 171 @30596 has 61 MA's), (Start: 219 @30665 has 1 MA's), (263, 30779), (328, 30932), (366, 31028), (450, 31187), (470, 31223), (489, 31268), (494, 31283), (539, 31376), (583, 31466), (649, 31682), (667, 31733), (674, 31748), (683, 31799), (686, 31808), (692, 31835), (726, 31928), (750, 32000), (793, 32099), (828, 32171), (832, 32195), (855, 32252), (868, 32306), (874, 32330), (884, 32351),

Gene: Bachome_46 Start: 30764, Stop: 28977, Start Num: 181

Candidate Starts for Bachome_46:

(Start: 181 @30764 has 918 MA's), (273, 30560), (302, 30488), (311, 30458), (323, 30431), (440, 30179), (466, 30128), (499, 30047), (523, 30002), (524, 29999), (560, 29918), (586, 29861), (617, 29819), (628, 29774), (649, 29693), (667, 29642), (677, 29606), (692, 29540), (722, 29480), (725, 29468), (760, 29366), (767, 29342), (777, 29324), (816, 29261), (825, 29234), (828, 29225), (832, 29201), (874, 29066), (880, 29054), (884, 29045),

Gene: Backyardigan_43 Start: 31552, Stop: 29723, Start Num: 181

Candidate Starts for Backyardigan_43:

(Start: 181 @31552 has 918 MA's), (214, 31501), (224, 31471), (291, 31309), (298, 31291), (302, 31276), (323, 31219), (328, 31210), (370, 31090), (378, 31066), (414, 31024), (438, 30973), (460, 30925), (472, 30904), (489, 30865), (506, 30820), (510, 30814), (549, 30733), (560, 30712), (583, 30667), (646, 30502), (649, 30481), (692, 30328), (706, 30289), (729, 30217), (733, 30202), (739, 30178), (748, 30160), (750, 30154), (753, 30148), (832, 29947), (874, 29812), (880, 29800), (884, 29791),

Gene: BaconJack_48 Start: 35612, Stop: 33786, Start Num: 181

Candidate Starts for BaconJack_48:

(Start: 181 @35612 has 918 MA's), (277, 35399), (285, 35384), (302, 35336), (311, 35306), (318, 35285), (323, 35279), (328, 35270), (369, 35153), (378, 35126), (438, 35033), (443, 35018), (483, 34934), (484, 34931), (514, 34865), (542, 34805), (562, 34760), (583, 34721), (649, 34541), (660, 34511), (665, 34493), (667, 34490), (677, 34454), (692, 34388), (725, 34316), (728, 34307), (729, 34304), (757, 34223), (828, 34073), (829, 34070), (836, 34034), (846, 34010), (852, 34001), (856, 33989), (859, 33971), (874, 33914), (884, 33893),

Gene: Bactobuster_43 Start: 32277, Stop: 30487, Start Num: 181

Candidate Starts for Bactobuster_43:

(Start: 181 @32277 has 918 MA's), (273, 32073), (277, 32064), (303, 31995), (311, 31968), (323, 31941), (378, 31788), (438, 31695), (458, 31647), (466, 31638), (472, 31623), (499, 31557), (516, 31524), (553, 31440), (595, 31359), (617, 31329), (649, 31203), (660, 31173), (667, 31152), (685, 31080), (692, 31050), (706, 31011), (722, 30990), (728, 30969), (801, 30789), (813, 30777), (828, 30735), (832, 30711), (855, 30654), (859, 30633), (874, 30576), (880, 30564), (884, 30555),

Gene: Badger_43 Start: 31520, Stop: 29691, Start Num: 181

Candidate Starts for Badger_43:

(Start: 181 @31520 has 918 MA's), (214, 31469), (224, 31439), (291, 31277), (298, 31259), (302, 31244), (323, 31187), (328, 31178), (370, 31058), (378, 31034), (414, 30992), (438, 30941), (460, 30893), (472, 30872), (489, 30833), (506, 30788), (510, 30782), (549, 30701), (560, 30680), (583, 30635), (646, 30470), (649, 30449), (692, 30296), (706, 30257), (729, 30185), (733, 30170), (739, 30146), (748, 30128), (750, 30122), (753, 30116), (832, 29915), (874, 29780), (880, 29768), (884, 29759),

Gene: Baehexic_43 Start: 31482, Stop: 29695, Start Num: 181

Candidate Starts for Baehexic_43:

(Start: 181 @31482 has 918 MA's), (273, 31278), (275, 31275), (277, 31269), (291, 31239), (302, 31206), (303, 31203), (311, 31176), (323, 31149), (341, 31098), (378, 30996), (438, 30903), (458, 30855), (466, 30846), (472, 30831), (499, 30765), (539, 30684), (560, 30636), (628, 30492), (649, 30411), (667, 30360), (676, 30327), (692, 30258), (706, 30219), (722, 30198), (728, 30177), (731, 30165), (813, 29985), (816, 29979), (828, 29943), (832, 29919), (859, 29841), (874, 29784), (880, 29772),

Gene: BaileyBlu_41 Start: 29217, Stop: 31091, Start Num: 180

Candidate Starts for BaileyBlu_41:

(72, 29007), (Start: 180 @29217 has 21 MA's), (185, 29223), (193, 29235), (290, 29448), (303, 29487), (440, 29811), (489, 29919), (494, 29934), (539, 30024), (560, 30072), (649, 30330), (660, 30360), (678, 30420), (683, 30447), (685, 30453), (765, 30687), (828, 30819), (832, 30843), (839, 30867), (852, 30891), (860, 30924), (874, 30978), (879, 30987), (888, 31008), (913, 31074),

Gene: Baines_38 Start: 28622, Stop: 26757, Start Num: 211

Candidate Starts for Baines_38:

(Start: 140 @28709 has 3 MA's), (Start: 211 @28622 has 115 MA's), (Start: 215 @28613 has 5 MA's), (255, 28508), (259, 28499), (275, 28469), (276, 28466), (332, 28346), (335, 28334), (338, 28328),

(374, 28223), (384, 28196), (434, 28055), (435, 28049), (437, 28046), (440, 28034), (450, 28007), (451, 28004), (458, 27989), (461, 27983), (466, 27977), (481, 27944), (561, 27815), (584, 27755), (685, 27440), (688, 27431), (689, 27428), (692, 27410), (707, 27368), (709, 27362), (718, 27338), (735, 27281), (787, 27122), (802, 27092), (804, 27083), (829, 27023), (833, 26999), (846, 26960), (857, 26927), (858, 26915), (874, 26855),

Gene: Balloona_44 Start: 33879, Stop: 31498, Start Num: 27

Candidate Starts for Balloona_44:

(Start: 27 @33879 has 14 MA's), (36, 33819), (46, 33777), (52, 33738), (73, 33618), (80, 33597), (97, 33573), (136, 33495), (Start: 140 @33489 has 3 MA's), (Start: 142 @33486 has 1 MA's), (165, 33456), (196, 33408), (214, 33381), (Start: 215 @33378 has 5 MA's), (238, 33321), (255, 33282), (265, 33261), (287, 33219), (296, 33195), (299, 33186), (300, 33180), (302, 33174), (312, 33141), (329, 33120), (335, 33099), (404, 32916), (427, 32841), (440, 32799), (496, 32712), (542, 32688), (552, 32664), (556, 32655), (566, 32634), (596, 32583), (598, 32580), (606, 32565), (617, 32544), (649, 32418), (656, 32370), (659, 32361), (672, 32319), (692, 32226), (705, 32190), (707, 32184), (709, 32178), (711, 32172), (729, 32115), (735, 32091), (766, 31986), (767, 31983), (806, 31890), (817, 31872), (829, 31833), (838, 31791), (848, 31767), (857, 31737), (868, 31689), (874, 31665), (889, 31620), (909, 31554), (922, 31533), (925, 31527), (928, 31521),

Gene: Balsa_38 Start: 29055, Stop: 27190, Start Num: 211

Candidate Starts for Balsa_38:

(Start: 211 @29055 has 115 MA's), (Start: 215 @29046 has 5 MA's), (330, 28782), (335, 28767), (338, 28761), (384, 28629), (406, 28575), (434, 28488), (437, 28479), (440, 28467), (450, 28440), (451, 28437), (458, 28422), (461, 28416), (630, 28086), (685, 27873), (688, 27864), (689, 27861), (692, 27843), (707, 27801), (720, 27771), (735, 27714), (787, 27555), (802, 27525), (829, 27456), (833, 27432), (846, 27393), (857, 27360), (858, 27348),

Gene: Bandik_39 Start: 28930, Stop: 27065, Start Num: 211

Candidate Starts for Bandik_39:

(Start: 140 @29017 has 3 MA's), (Start: 142 @29014 has 1 MA's), (Start: 211 @28930 has 115 MA's), (Start: 215 @28921 has 5 MA's), (255, 28816), (259, 28807), (275, 28777), (276, 28774), (332, 28654), (335, 28642), (338, 28636), (374, 28531), (384, 28504), (434, 28363), (435, 28357), (437, 28354), (440, 28342), (450, 28315), (451, 28312), (458, 28297), (461, 28291), (466, 28285), (481, 28252), (584, 28063), (630, 27961), (685, 27748), (688, 27739), (689, 27736), (692, 27718), (707, 27676), (709, 27670), (718, 27646), (735, 27589), (787, 27430), (802, 27400), (804, 27391), (829, 27331), (833, 27307), (846, 27268), (857, 27235), (858, 27223), (874, 27163),

Gene: BangNhom_46 Start: 31992, Stop: 30166, Start Num: 181

Candidate Starts for BangNhom_46:

(Start: 181 @31992 has 918 MA's), (213, 31944), (273, 31788), (302, 31716), (323, 31659), (328, 31650), (370, 31530), (378, 31506), (438, 31413), (460, 31365), (472, 31344), (489, 31305), (506, 31260), (549, 31173), (553, 31164), (560, 31152), (583, 31107), (586, 31095), (646, 30942), (649, 30921), (685, 30798), (692, 30768), (706, 30729), (728, 30663), (729, 30660), (739, 30621), (750, 30597), (832, 30390), (874, 30255), (880, 30243), (884, 30234),

Gene: BarnCat_62 Start: 37491, Stop: 35530, Start Num: 230

Candidate Starts for BarnCat_62:

(Start: 230 @37491 has 5 MA's), (250, 37431), (261, 37413), (282, 37371), (288, 37359), (302, 37317), (315, 37272), (322, 37248), (327, 37242), (364, 37134), (368, 37122), (433, 36969), (440, 36948), (453, 36915), (477, 36864), (485, 36843), (489, 36834), (513, 36777), (526, 36753), (533, 36741), (577, 36633), (584, 36603), (626, 36516), (630, 36498), (631, 36495), (632, 36492), (635, 36483), (663, 36375), (686, 36291), (739, 36072), (748, 36027), (764, 35961), (773, 35919), (789, 35889), (813, 35838), (816, 35832), (823, 35808), (831, 35781), (832, 35769), (833, 35766), (853, 35712),

(858, 35688), (860, 35682), (874, 35628), (895, 35574),

Gene: Barnstormer_47 Start: 31148, Stop: 33013, Start Num: 181

Candidate Starts for Barnstormer_47:

(107, 31028), (116, 31046), (Start: 181 @31148 has 918 MA's), (235, 31256), (487, 31844), (489, 31850), (560, 32003), (588, 32066), (649, 32261), (672, 32324), (683, 32378), (685, 32384), (693, 32417), (758, 32600), (874, 32909), (905, 32987), (920, 33008),

Gene: BaronJohn_38 Start: 27578, Stop: 25713, Start Num: 209

Candidate Starts for BaronJohn_38:

(Start: 209 @27578 has 41 MA's), (214, 27572), (253, 27473), (255, 27464), (267, 27440), (275, 27425), (277, 27419), (300, 27368), (302, 27365), (338, 27284), (393, 27134), (398, 27131), (427, 27032), (435, 27005), (437, 27002), (440, 26990), (451, 26960), (461, 26939), (480, 26903), (568, 26756), (642, 26576), (685, 26396), (692, 26366), (711, 26312), (718, 26294), (735, 26237), (743, 26210), (755, 26168), (802, 26048), (804, 26039), (829, 25979), (833, 25955), (836, 25943), (839, 25934), (846, 25916), (857, 25883), (874, 25811),

Gene: Barriga_45 Start: 34327, Stop: 32501, Start Num: 181

Candidate Starts for Barriga_45:

(Start: 181 @34327 has 918 MA's), (277, 34114), (285, 34099), (302, 34051), (311, 34021), (318, 34000), (323, 33994), (328, 33985), (358, 33901), (369, 33868), (378, 33841), (438, 33748), (443, 33733), (483, 33649), (484, 33646), (514, 33580), (542, 33520), (562, 33475), (583, 33436), (649, 33256), (665, 33208), (677, 33169), (692, 33103), (706, 33064), (722, 33043), (728, 33022), (733, 33004), (757, 32938), (828, 32788), (829, 32785), (836, 32749), (846, 32725), (852, 32716), (856, 32704), (862, 32677), (874, 32629), (884, 32608),

Gene: BarrowTuph_45 Start: 34815, Stop: 32989, Start Num: 181

Candidate Starts for BarrowTuph_45:

(Start: 181 @34815 has 918 MA's), (277, 34602), (302, 34539), (311, 34509), (318, 34488), (323, 34482), (328, 34473), (369, 34356), (378, 34329), (438, 34236), (443, 34221), (483, 34137), (484, 34134), (514, 34068), (530, 34038), (542, 34008), (562, 33963), (583, 33924), (649, 33744), (665, 33696), (667, 33693), (677, 33657), (692, 33591), (706, 33552), (722, 33531), (728, 33510), (733, 33492), (757, 33426), (828, 33276), (829, 33273), (836, 33237), (846, 33213), (852, 33204), (856, 33192), (874, 33117), (884, 33096),

Gene: Bartimeaus_45 Start: 31572, Stop: 29746, Start Num: 181

Candidate Starts for Bartimeaus_45:

(Start: 181 @31572 has 918 MA's), (195, 31551), (214, 31521), (224, 31491), (291, 31329), (298, 31311), (323, 31239), (328, 31230), (370, 31110), (378, 31086), (438, 30993), (460, 30945), (472, 30924), (489, 30885), (549, 30753), (560, 30732), (583, 30687), (586, 30675), (646, 30522), (649, 30501), (685, 30378), (692, 30348), (706, 30309), (728, 30243), (729, 30240), (733, 30225), (739, 30201), (750, 30177), (832, 29970), (874, 29835), (880, 29823), (884, 29814),

Gene: Battleship_48 Start: 29936, Stop: 28146, Start Num: 181

Candidate Starts for Battleship_48:

(Start: 181 @29936 has 918 MA's), (261, 29762), (302, 29657), (303, 29654), (311, 29627), (323, 29600), (341, 29549), (378, 29447), (438, 29354), (455, 29309), (458, 29306), (466, 29297), (539, 29135), (549, 29108), (560, 29087), (562, 29081), (619, 28982), (628, 28943), (644, 28892), (649, 28862), (667, 28811), (676, 28778), (683, 28745), (685, 28739), (692, 28709), (722, 28649), (728, 28628), (739, 28586), (751, 28559), (757, 28544), (796, 28457), (828, 28394), (829, 28391), (874, 28235), (880, 28223), (885, 28211),

Gene: Bavilard_44 Start: 33694, Stop: 31319, Start Num: 27

Candidate Starts for Bavailard_44:

(Start: 27 @33694 has 14 MA's), (36, 33634), (46, 33592), (52, 33553), (73, 33433), (80, 33412), (97, 33388), (136, 33310), (Start: 140 @33304 has 3 MA's), (Start: 142 @33301 has 1 MA's), (165, 33271), (176, 33253), (189, 33235), (214, 33196), (Start: 215 @33193 has 5 MA's), (238, 33136), (245, 33112), (255, 33097), (287, 33034), (296, 33010), (299, 33001), (300, 32995), (302, 32989), (312, 32956), (329, 32935), (335, 32914), (404, 32731), (405, 32725), (427, 32656), (440, 32614), (496, 32527), (542, 32503), (552, 32479), (566, 32449), (596, 32398), (598, 32395), (606, 32380), (617, 32359), (656, 32185), (659, 32176), (667, 32146), (672, 32134), (692, 32041), (705, 32005), (707, 31999), (709, 31993), (711, 31987), (729, 31930), (735, 31906), (766, 31801), (767, 31798), (806, 31705), (817, 31687), (829, 31648), (832, 31627), (838, 31606), (848, 31582), (868, 31504), (874, 31480), (922, 31348),

Gene: BayC_48 Start: 39366, Stop: 37366, Start Num: 232

Candidate Starts for BayC_48:

(Start: 232 @39366 has 11 MA's), (261, 39297), (310, 39165), (312, 39159), (314, 39153), (332, 39105), (335, 39093), (338, 39087), (344, 39066), (349, 39051), (375, 38982), (413, 38841), (447, 38745), (484, 38658), (494, 38634), (499, 38622), (502, 38610), (539, 38541), (592, 38394), (632, 38289), (638, 38274), (650, 38217), (658, 38196), (672, 38154), (678, 38124), (685, 38091), (696, 38037), (703, 38007), (719, 37938), (722, 37917), (739, 37854), (748, 37836), (753, 37824), (761, 37800), (832, 37599), (833, 37596), (839, 37575), (856, 37542), (859, 37524), (868, 37491), (874, 37467), (893, 37419),

Gene: Beatrix_44 Start: 35941, Stop: 34154, Start Num: 181

Candidate Starts for Beatrix_44:

(Start: 181 @35941 has 918 MA's), (277, 35728), (302, 35665), (311, 35635), (318, 35614), (323, 35608), (328, 35599), (369, 35482), (378, 35455), (438, 35362), (443, 35347), (483, 35263), (484, 35260), (514, 35194), (530, 35164), (542, 35134), (562, 35089), (583, 35050), (649, 34870), (665, 34822), (677, 34783), (692, 34717), (725, 34645), (728, 34636), (757, 34552), (796, 34465), (846, 34339), (853, 34327), (868, 34267), (874, 34243), (878, 34237),

Gene: Beaupre_37 Start: 27544, Stop: 29526, Start Num: 181

Candidate Starts for Beaupre_37:

(Start: 181 @27544 has 918 MA's), (261, 27718), (273, 27748), (293, 27781), (303, 27814), (332, 27889), (340, 27916), (377, 28018), (420, 28117), (489, 28291), (499, 28318), (560, 28447), (619, 28585), (643, 28672), (649, 28705), (660, 28735), (677, 28792), (692, 28858), (726, 28951), (756, 29038), (832, 29218), (839, 29242), (874, 29353), (919, 29461),

Gene: BeautPeep30_39 Start: 28936, Stop: 27071, Start Num: 211

Candidate Starts for BeautPeep30_39:

(Start: 140 @29023 has 3 MA's), (Start: 142 @29020 has 1 MA's), (Start: 211 @28936 has 115 MA's), (Start: 215 @28927 has 5 MA's), (255, 28822), (259, 28813), (275, 28783), (276, 28780), (332, 28660), (335, 28648), (338, 28642), (374, 28537), (384, 28510), (434, 28369), (435, 28363), (437, 28360), (440, 28348), (450, 28321), (451, 28318), (458, 28303), (461, 28297), (466, 28291), (481, 28258), (584, 28069), (685, 27754), (688, 27745), (689, 27742), (692, 27724), (707, 27682), (709, 27676), (718, 27652), (735, 27595), (787, 27436), (802, 27406), (804, 27397), (829, 27337), (833, 27313), (846, 27274), (857, 27241), (858, 27229), (874, 27169),

Gene: Beauxregard13_48 Start: 31856, Stop: 30042, Start Num: 181

Candidate Starts for Beauxregard13_48:

(Start: 181 @31856 has 918 MA's), (206, 31817), (214, 31805), (273, 31652), (281, 31637), (302, 31580), (323, 31523), (328, 31514), (341, 31472), (360, 31421), (378, 31370), (438, 31277), (458, 31229), (466, 31220), (472, 31205), (489, 31166), (499, 31139), (514, 31109), (555, 31016), (584, 30956), (595, 30941), (649, 30785), (677, 30698), (692, 30632), (706, 30593), (729, 30521), (739,

30482), (750, 30458), (757, 30440), (767, 30407), (782, 30380), (816, 30326), (832, 30266), (859, 30188), (874, 30131), (880, 30119), (884, 30110),

Gene: BeeBee8_39 Start: 29216, Stop: 27360, Start Num: 215

Candidate Starts for BeeBee8_39:

(Start: 211 @29225 has 115 MA's), (Start: 215 @29216 has 5 MA's), (330, 28952), (335, 28937), (338, 28931), (384, 28799), (406, 28745), (434, 28658), (437, 28649), (440, 28637), (450, 28610), (451, 28607), (458, 28592), (461, 28586), (630, 28256), (685, 28043), (688, 28034), (689, 28031), (692, 28013), (707, 27971), (720, 27941), (735, 27884), (787, 27725), (802, 27695), (829, 27626), (833, 27602), (846, 27563), (857, 27530), (858, 27518),

Gene: Beemo_45 Start: 31539, Stop: 29746, Start Num: 181

Candidate Starts for Beemo_45:

(Start: 181 @31539 has 918 MA's), (187, 31530), (214, 31488), (259, 31368), (261, 31365), (282, 31317), (303, 31257), (312, 31227), (316, 31215), (323, 31203), (378, 31050), (438, 30957), (499, 30819), (514, 30789), (586, 30630), (595, 30618), (616, 30591), (646, 30483), (649, 30462), (689, 30327), (692, 30309), (728, 30228), (739, 30186), (767, 30111), (813, 30036), (828, 29994), (859, 29892), (874, 29835), (880, 29823), (884, 29814),

Gene: BeesKnees_45 Start: 34407, Stop: 32581, Start Num: 181

Candidate Starts for BeesKnees_45:

(Start: 181 @34407 has 918 MA's), (277, 34194), (302, 34131), (311, 34101), (318, 34080), (323, 34074), (328, 34065), (369, 33948), (378, 33921), (438, 33828), (443, 33813), (483, 33729), (484, 33726), (514, 33660), (530, 33630), (542, 33600), (562, 33555), (583, 33516), (649, 33336), (665, 33288), (677, 33249), (692, 33183), (706, 33144), (722, 33123), (728, 33102), (733, 33084), (757, 33018), (828, 32868), (829, 32865), (836, 32829), (852, 32796), (856, 32784), (862, 32757), (874, 32709), (884, 32688),

Gene: Beleetus_139 Start: 73582, Stop: 75618, Start Num: 198

Candidate Starts for Beleetus_139:

(Start: 198 @73582 has 6 MA's), (228, 73648), (234, 73672), (251, 73726), (255, 73738), (268, 73771), (299, 73840), (314, 73897), (338, 73975), (349, 74011), (397, 74131), (430, 74185), (431, 74188), (450, 74239), (455, 74251), (489, 74320), (497, 74341), (523, 74389), (526, 74398), (651, 74776), (679, 74893), (682, 74911), (721, 75031), (724, 75043), (742, 75112), (748, 75121), (814, 75295), (836, 75379), (857, 75454), (874, 75526), (895, 75580), (897, 75586),

Gene: Belenaria_36 Start: 28114, Stop: 26330, Start Num: 181

Candidate Starts for Belenaria_36:

(Start: 181 @28114 has 918 MA's), (288, 27880), (299, 27850), (301, 27841), (302, 27838), (316, 27793), (323, 27781), (341, 27730), (378, 27628), (391, 27607), (438, 27535), (455, 27490), (458, 27487), (480, 27445), (482, 27439), (489, 27424), (499, 27397), (549, 27292), (553, 27283), (562, 27265), (583, 27226), (618, 27169), (649, 27046), (665, 26998), (692, 26893), (693, 26890), (722, 26833), (728, 26812), (741, 26764), (769, 26689), (813, 26620), (828, 26578), (832, 26554), (859, 26476), (874, 26419), (880, 26407), (884, 26398), (894, 26368), (900, 26350),

Gene: Bellris_43 Start: 30722, Stop: 28929, Start Num: 181

Candidate Starts for Bellris_43:

(Start: 181 @30722 has 918 MA's), (187, 30713), (214, 30671), (244, 30584), (273, 30518), (277, 30509), (282, 30500), (289, 30482), (303, 30440), (311, 30413), (316, 30398), (323, 30386), (341, 30335), (378, 30233), (433, 30155), (438, 30140), (466, 30083), (514, 29972), (557, 29876), (586, 29813), (616, 29774), (618, 29768), (649, 29645), (680, 29549), (685, 29522), (692, 29492), (706, 29453), (728, 29411), (767, 29294), (813, 29219), (828, 29177), (859, 29075), (874, 29018), (880, 29006), (884, 28997),

Gene: BellusTerra_46 Start: 31571, Stop: 29745, Start Num: 181

Candidate Starts for BellusTerra_46:

(Start: 181 @31571 has 918 MA's), (195, 31550), (214, 31520), (224, 31490), (291, 31328), (298, 31310), (323, 31238), (328, 31229), (370, 31109), (378, 31085), (438, 30992), (460, 30944), (472, 30923), (489, 30884), (549, 30752), (560, 30731), (583, 30686), (586, 30674), (646, 30521), (649, 30500), (685, 30377), (692, 30347), (706, 30308), (728, 30242), (729, 30239), (733, 30224), (739, 30200), (750, 30176), (832, 29969), (874, 29834), (880, 29822), (884, 29813),

Gene: BelmontSKP_43 Start: 29896, Stop: 31770, Start Num: 171

Candidate Starts for BelmontSKP_43:

(Start: 168 @29893 has 7 MA's), (Start: 171 @29896 has 61 MA's), (Start: 219 @29965 has 1 MA's), (227, 29986), (328, 30232), (341, 30274), (450, 30487), (489, 30568), (594, 30802), (635, 30925), (649, 30985), (650, 30991), (667, 31036), (674, 31051), (675, 31066), (683, 31102), (692, 31138), (726, 31231), (758, 31324), (793, 31402), (828, 31474), (836, 31513), (855, 31555), (858, 31573), (868, 31609), (874, 31633), (884, 31654),

Gene: Benedict_39 Start: 30154, Stop: 28289, Start Num: 181

Candidate Starts for Benedict_39:

(Start: 152 @30187 has 2 MA's), (Start: 181 @30154 has 918 MA's), (236, 30043), (273, 29950), (275, 29947), (302, 29878), (303, 29875), (311, 29848), (323, 29821), (328, 29812), (358, 29728), (360, 29719), (366, 29704), (378, 29668), (422, 29608), (438, 29572), (455, 29527), (458, 29524), (471, 29503), (472, 29500), (497, 29440), (537, 29362), (555, 29314), (562, 29302), (584, 29254), (614, 29203), (649, 29068), (665, 29020), (674, 29002), (677, 28981), (680, 28972), (686, 28942), (692, 28915), (693, 28912), (728, 28834), (750, 28768), (767, 28717), (796, 28663), (801, 28654), (816, 28636), (837, 28558), (868, 28465), (874, 28441), (880, 28429), (923, 28324),

Gene: Bengal_43 Start: 29549, Stop: 31423, Start Num: 171

Candidate Starts for Bengal_43:

(Start: 171 @29549 has 61 MA's), (Start: 219 @29618 has 1 MA's), (227, 29639), (328, 29885), (333, 29900), (341, 29927), (489, 30221), (549, 30356), (594, 30455), (635, 30578), (649, 30638), (650, 30644), (667, 30689), (674, 30704), (675, 30719), (683, 30755), (692, 30791), (726, 30884), (758, 30977), (793, 31055), (828, 31127), (836, 31166), (855, 31208), (858, 31226), (868, 31262), (874, 31286), (884, 31307),

Gene: BengiVuitton_44 Start: 31228, Stop: 29441, Start Num: 181

Candidate Starts for BengiVuitton_44:

(Start: 181 @31228 has 918 MA's), (273, 31024), (275, 31021), (277, 31015), (286, 31000), (291, 30985), (302, 30952), (303, 30949), (311, 30922), (323, 30895), (332, 30874), (341, 30844), (378, 30742), (438, 30649), (441, 30640), (458, 30601), (466, 30592), (472, 30577), (499, 30511), (539, 30430), (560, 30382), (562, 30376), (628, 30238), (649, 30157), (667, 30106), (676, 30073), (677, 30070), (692, 30004), (706, 29965), (722, 29944), (745, 29869), (753, 29851), (767, 29806), (782, 29779), (801, 29743), (816, 29725), (828, 29689), (832, 29665), (855, 29608), (859, 29587), (874, 29530), (880, 29518),

Gene: Benjalauren_39 Start: 28635, Stop: 26770, Start Num: 211

Candidate Starts for Benjalauren_39:

(Start: 140 @28722 has 3 MA's), (Start: 142 @28719 has 1 MA's), (Start: 211 @28635 has 115 MA's), (Start: 215 @28626 has 5 MA's), (255, 28521), (259, 28512), (275, 28482), (276, 28479), (332, 28359), (335, 28347), (338, 28341), (374, 28236), (384, 28209), (434, 28068), (435, 28062), (437, 28059), (440, 28047), (450, 28020), (451, 28017), (458, 28002), (461, 27996), (466, 27990), (481, 27957), (561, 27828), (584, 27768), (685, 27453), (688, 27444), (689, 27441), (692, 27423), (707, 27381), (709, 27375), (712, 27366), (718, 27351), (735, 27294), (787, 27135), (802, 27105), (804, 27096),

(829, 27036), (833, 27012), (846, 26973), (857, 26940), (858, 26928), (874, 26868),

Gene: BennyP_46 Start: 29772, Stop: 27931, Start Num: 181

Candidate Starts for BennyP_46:

(Start: 181 @29772 has 918 MA's), (273, 29568), (302, 29493), (303, 29490), (311, 29463), (316, 29448), (323, 29436), (341, 29385), (374, 29295), (378, 29283), (438, 29190), (453, 29151), (466, 29133), (472, 29118), (499, 29052), (516, 29019), (517, 29016), (564, 28914), (595, 28854), (628, 28770), (649, 28689), (676, 28605), (677, 28602), (680, 28593), (685, 28566), (692, 28536), (722, 28476), (733, 28437), (828, 28221), (829, 28218), (832, 28197), (874, 28062), (880, 28050), (884, 28041), (885, 28038), (923, 27945),

Gene: Benvolio_41 Start: 30754, Stop: 28967, Start Num: 181

Candidate Starts for Benvolio_41:

(Start: 181 @30754 has 918 MA's), (275, 30547), (277, 30541), (291, 30511), (302, 30478), (303, 30475), (311, 30448), (323, 30421), (332, 30400), (378, 30268), (438, 30175), (458, 30127), (466, 30118), (472, 30103), (499, 30037), (539, 29956), (560, 29908), (562, 29902), (595, 29839), (628, 29764), (649, 29683), (667, 29632), (676, 29599), (677, 29596), (692, 29530), (706, 29491), (722, 29470), (745, 29395), (753, 29377), (757, 29365), (767, 29332), (782, 29305), (801, 29269), (828, 29215), (832, 29191), (855, 29134), (859, 29113), (874, 29056), (880, 29044), (884, 29035),

Gene: Bernstein_40 Start: 27521, Stop: 29389, Start Num: 168

Candidate Starts for Bernstein_40:

(Start: 168 @27521 has 7 MA's), (Start: 171 @27524 has 61 MA's), (173, 27527), (Start: 219 @27596 has 1 MA's), (333, 27878), (341, 27905), (366, 27959), (453, 28124), (489, 28199), (497, 28220), (635, 28574), (649, 28634), (667, 28685), (683, 28751), (692, 28787), (726, 28880), (793, 29051), (828, 29123), (855, 29204), (873, 29279), (874, 29282), (884, 29303), (910, 29372),

Gene: Berrie_42 Start: 30512, Stop: 32377, Start Num: 181

Candidate Starts for Berrie_42:

(Start: 181 @30512 has 918 MA's), (213, 30560), (273, 30716), (293, 30749), (318, 30830), (345, 30899), (440, 31106), (444, 31118), (484, 31205), (489, 31214), (494, 31229), (539, 31319), (560, 31367), (619, 31505), (649, 31625), (677, 31712), (692, 31778), (726, 31871), (750, 31943), (799, 32051), (828, 32114), (832, 32138), (874, 32273), (879, 32282), (909, 32360),

Gene: Bethlehem_44 Start: 35080, Stop: 33254, Start Num: 181

Candidate Starts for Bethlehem_44:

(Start: 181 @35080 has 918 MA's), (277, 34867), (302, 34804), (311, 34774), (318, 34753), (323, 34747), (328, 34738), (369, 34621), (378, 34594), (438, 34501), (443, 34486), (483, 34402), (484, 34399), (514, 34333), (530, 34303), (542, 34273), (562, 34228), (583, 34189), (649, 34009), (665, 33961), (677, 33922), (692, 33856), (706, 33817), (722, 33796), (728, 33775), (733, 33757), (757, 33691), (828, 33541), (829, 33538), (836, 33502), (852, 33469), (856, 33457), (862, 33430), (874, 33382), (884, 33361),

Gene: Bexan_43 Start: 35619, Stop: 33832, Start Num: 181

Candidate Starts for Bexan_43:

(Start: 181 @35619 has 918 MA's), (277, 35406), (302, 35343), (311, 35313), (318, 35292), (323, 35286), (328, 35277), (369, 35160), (378, 35133), (438, 35040), (443, 35025), (458, 34992), (483, 34941), (484, 34938), (514, 34872), (530, 34842), (542, 34812), (562, 34767), (583, 34728), (649, 34548), (665, 34500), (677, 34461), (692, 34395), (725, 34323), (728, 34314), (757, 34230), (796, 34143), (846, 34017), (853, 34005), (868, 33945), (874, 33921), (878, 33915),

Gene: BiancaTri92_44 Start: 32044, Stop: 30257, Start Num: 181

Candidate Starts for BiancaTri92_44:

(Start: 181 @32044 has 918 MA's), (275, 31837), (277, 31831), (286, 31816), (291, 31801), (311, 31738), (323, 31711), (332, 31690), (378, 31558), (438, 31465), (466, 31408), (472, 31393), (499, 31327), (539, 31246), (560, 31198), (562, 31192), (628, 31054), (649, 30973), (667, 30922), (676, 30889), (677, 30886), (680, 30877), (685, 30850), (692, 30820), (706, 30781), (722, 30760), (728, 30739), (816, 30541), (828, 30505), (832, 30481), (855, 30424), (859, 30403), (874, 30346), (880, 30334), (884, 30325),

Gene: Big3_43 Start: 34644, Stop: 32818, Start Num: 181

Candidate Starts for Big3_43:

(Start: 181 @34644 has 918 MA's), (277, 34431), (285, 34416), (302, 34368), (311, 34338), (318, 34317), (323, 34311), (328, 34302), (369, 34185), (378, 34158), (438, 34065), (443, 34050), (458, 34017), (483, 33966), (484, 33963), (514, 33897), (530, 33867), (542, 33837), (562, 33792), (583, 33753), (649, 33573), (665, 33525), (677, 33486), (692, 33420), (706, 33381), (722, 33360), (728, 33339), (733, 33321), (757, 33255), (828, 33105), (829, 33102), (836, 33066), (846, 33042), (852, 33033), (856, 33021), (874, 32946), (884, 32925),

Gene: Big4_105 Start: 80746, Stop: 78878, Start Num: 177

Candidate Starts for Big4_105:

(159, 80767), (Start: 168 @80758 has 7 MA's), (Start: 171 @80755 has 61 MA's), (Start: 177 @80746 has 3 MA's), (259, 80548), (289, 80488), (295, 80473), (335, 80365), (338, 80359), (376, 80266), (382, 80248), (441, 80173), (476, 80089), (489, 80062), (497, 80041), (516, 80002), (533, 79969), (550, 79927), (567, 79894), (583, 79864), (596, 79837), (649, 79675), (682, 79561), (704, 79477), (708, 79462), (711, 79453), (737, 79366), (739, 79357), (754, 79324), (820, 79168), (853, 79072), (859, 79045), (874, 78988), (884, 78964),

Gene: BigChungus_44 Start: 33868, Stop: 31490, Start Num: 27

Candidate Starts for BigChungus_44:

(Start: 27 @33868 has 14 MA's), (36, 33808), (46, 33766), (52, 33727), (68, 33637), (73, 33607), (80, 33586), (97, 33562), (136, 33484), (Start: 140 @33478 has 3 MA's), (Start: 142 @33475 has 1 MA's), (165, 33445), (176, 33427), (189, 33409), (214, 33370), (Start: 215 @33367 has 5 MA's), (238, 33310), (245, 33286), (255, 33271), (287, 33208), (296, 33184), (299, 33175), (300, 33169), (302, 33163), (312, 33130), (329, 33109), (335, 33088), (404, 32905), (427, 32830), (440, 32788), (496, 32701), (542, 32677), (552, 32653), (556, 32644), (566, 32623), (596, 32572), (598, 32569), (606, 32554), (617, 32533), (649, 32407), (656, 32359), (659, 32350), (672, 32308), (692, 32215), (705, 32179), (707, 32173), (709, 32167), (711, 32161), (729, 32104), (735, 32080), (766, 31975), (767, 31972), (806, 31879), (817, 31861), (829, 31822), (838, 31780), (848, 31756), (857, 31726), (868, 31678), (874, 31654), (880, 31630), (889, 31609), (922, 31522), (928, 31510),

Gene: BigMau_45 Start: 34189, Stop: 32360, Start Num: 181

Candidate Starts for BigMau_45:

(Start: 181 @34189 has 918 MA's), (277, 33976), (285, 33961), (302, 33913), (311, 33883), (318, 33862), (323, 33856), (328, 33847), (369, 33730), (378, 33703), (438, 33610), (443, 33595), (451, 33574), (483, 33511), (484, 33508), (506, 33454), (514, 33442), (530, 33412), (542, 33382), (562, 33337), (583, 33298), (649, 33118), (665, 33070), (680, 33022), (689, 32983), (692, 32965), (706, 32926), (722, 32905), (728, 32884), (779, 32746), (853, 32575), (858, 32551), (867, 32518), (871, 32503), (874, 32491), (884, 32470), (887, 32464), (903, 32416), (908, 32401),

Gene: BigPaolini_45 Start: 33608, Stop: 31821, Start Num: 181

Candidate Starts for BigPaolini_45:

(Start: 181 @33608 has 918 MA's), (277, 33395), (285, 33380), (311, 33302), (318, 33281), (323, 33275), (328, 33266), (369, 33149), (378, 33122), (438, 33029), (443, 33014), (458, 32981), (483, 32930), (484, 32927), (506, 32873), (514, 32861), (530, 32831), (542, 32801), (562, 32756), (583, 32717), (649, 32537), (665, 32489), (677, 32450), (692, 32384), (725, 32312), (728, 32303), (757,

32219), (796, 32132), (846, 32006), (853, 31994), (874, 31910), (878, 31904),

Gene: BigRedClifford_39 Start: 28934, Stop: 27069, Start Num: 211

Candidate Starts for BigRedClifford_39:

(Start: 140 @29021 has 3 MA's), (Start: 142 @29018 has 1 MA's), (Start: 211 @28934 has 115 MA's), (Start: 215 @28925 has 5 MA's), (255, 28820), (259, 28811), (275, 28781), (276, 28778), (332, 28658), (335, 28646), (338, 28640), (374, 28535), (384, 28508), (434, 28367), (437, 28358), (440, 28346), (450, 28319), (451, 28316), (458, 28301), (461, 28295), (466, 28289), (481, 28256), (561, 28127), (584, 28067), (685, 27752), (688, 27743), (689, 27740), (692, 27722), (707, 27680), (709, 27674), (712, 27665), (718, 27650), (735, 27593), (787, 27434), (802, 27404), (804, 27395), (829, 27335), (833, 27311), (846, 27272), (857, 27239), (858, 27227), (874, 27167),

Gene: Bigchungji_43 Start: 33771, Stop: 31945, Start Num: 181

Candidate Starts for Bigchungji_43:

(Start: 181 @33771 has 918 MA's), (277, 33558), (285, 33543), (311, 33465), (318, 33444), (323, 33438), (328, 33429), (369, 33312), (378, 33285), (438, 33192), (443, 33177), (458, 33144), (483, 33093), (484, 33090), (514, 33024), (530, 32994), (542, 32964), (562, 32919), (583, 32880), (649, 32700), (660, 32670), (665, 32652), (667, 32649), (677, 32613), (692, 32547), (728, 32466), (729, 32463), (757, 32382), (828, 32232), (829, 32229), (836, 32193), (846, 32169), (852, 32160), (856, 32148), (874, 32073), (884, 32052),

Gene: Bigflo_48 Start: 31852, Stop: 30038, Start Num: 181

Candidate Starts for Bigflo_48:

(Start: 181 @31852 has 918 MA's), (206, 31813), (214, 31801), (273, 31648), (281, 31633), (302, 31576), (323, 31519), (328, 31510), (341, 31468), (360, 31417), (378, 31366), (438, 31273), (458, 31225), (466, 31216), (472, 31201), (489, 31162), (499, 31135), (514, 31105), (555, 31012), (584, 30952), (595, 30937), (649, 30781), (677, 30694), (692, 30628), (706, 30589), (729, 30517), (739, 30478), (750, 30454), (757, 30436), (767, 30403), (782, 30376), (816, 30322), (832, 30262), (859, 30184), (874, 30127), (880, 30115), (884, 30106),

Gene: Bigfoot_41 Start: 33829, Stop: 32003, Start Num: 181

Candidate Starts for Bigfoot_41:

(Start: 181 @33829 has 918 MA's), (277, 33616), (285, 33601), (302, 33553), (311, 33523), (318, 33502), (323, 33496), (328, 33487), (369, 33370), (378, 33343), (438, 33250), (443, 33235), (458, 33202), (483, 33151), (484, 33148), (514, 33082), (542, 33022), (562, 32977), (583, 32938), (649, 32758), (665, 32710), (677, 32671), (692, 32605), (706, 32566), (722, 32545), (728, 32524), (733, 32506), (757, 32440), (828, 32290), (829, 32287), (836, 32251), (846, 32227), (852, 32218), (856, 32206), (862, 32179), (874, 32131), (884, 32110),

Gene: BillDoor_43 Start: 31825, Stop: 29438, Start Num: 20

Candidate Starts for BillDoor_43:

(Start: 20 @31825 has 19 MA's), (36, 31762), (49, 31705), (69, 31582), (73, 31558), (Start: 142 @31426 has 1 MA's), (164, 31399), (217, 31306), (238, 31261), (265, 31201), (274, 31183), (296, 31135), (312, 31081), (313, 31078), (329, 31060), (335, 31039), (351, 30988), (355, 30979), (357, 30976), (404, 30856), (422, 30796), (427, 30781), (456, 30697), (496, 30652), (519, 30628), (542, 30622), (552, 30598), (590, 30520), (596, 30517), (598, 30514), (614, 30490), (648, 30367), (659, 30298), (661, 30292), (683, 30199), (692, 30163), (705, 30127), (707, 30121), (709, 30115), (711, 30109), (718, 30085), (729, 30052), (735, 30028), (745, 29983), (766, 29923), (829, 29770), (837, 29731), (838, 29728), (874, 29602), (889, 29557), (891, 29548), (911, 29488),

Gene: BillKnuckles_45 Start: 35369, Stop: 33540, Start Num: 181

Candidate Starts for BillKnuckles_45:

(Start: 181 @35369 has 918 MA's), (277, 35156), (285, 35141), (302, 35093), (311, 35063), (318, 35042), (323, 35036), (328, 35027), (369, 34910), (378, 34883), (438, 34790), (443, 34775), (458, 34742), (483, 34691), (484, 34688), (514, 34622), (530, 34592), (542, 34562), (562, 34517), (583, 34478), (649, 34298), (665, 34250), (680, 34202), (689, 34163), (692, 34145), (706, 34106), (722, 34085), (728, 34064), (732, 34049), (779, 33926), (853, 33755), (858, 33731), (871, 33683), (874, 33671), (884, 33650), (887, 33644), (903, 33596), (908, 33581),

Gene: Bimmel_18 Start: 11968, Stop: 10178, Start Num: 181

Candidate Starts for Bimmel_18:

(Start: 181 @11968 has 918 MA's), (277, 11758), (296, 11716), (311, 11665), (323, 11638), (332, 11617), (346, 11572), (378, 11485), (433, 11407), (438, 11392), (489, 11275), (560, 11122), (583, 11077), (587, 11062), (632, 10975), (649, 10906), (671, 10843), (682, 10792), (683, 10786), (692, 10750), (728, 10669), (740, 10624), (853, 10360), (868, 10300), (874, 10276), (900, 10207), (902, 10204),

Gene: Bircsak_44 Start: 35182, Stop: 33353, Start Num: 181

Candidate Starts for Bircsak_44:

(Start: 181 @35182 has 918 MA's), (277, 34969), (285, 34954), (302, 34906), (311, 34876), (315, 34864), (318, 34855), (323, 34849), (328, 34840), (369, 34723), (378, 34696), (438, 34603), (443, 34588), (451, 34567), (458, 34555), (483, 34504), (484, 34501), (514, 34435), (530, 34405), (542, 34375), (562, 34330), (583, 34291), (649, 34111), (665, 34063), (680, 34015), (689, 33976), (692, 33958), (706, 33919), (722, 33898), (728, 33877), (732, 33862), (779, 33739), (853, 33568), (858, 33544), (871, 33496), (874, 33484), (884, 33463), (887, 33457), (903, 33409), (908, 33394),

Gene: Biskit_45 Start: 32515, Stop: 30125, Start Num: 20

Candidate Starts for Biskit_45:

(Start: 20 @32515 has 19 MA's), (36, 32452), (41, 32434), (43, 32419), (52, 32365), (53, 32353), (55, 32332), (64, 32299), (69, 32272), (73, 32248), (90, 32221), (Start: 142 @32116 has 1 MA's), (176, 32068), (238, 31951), (274, 31870), (288, 31843), (296, 31822), (312, 31768), (313, 31765), (329, 31747), (335, 31726), (355, 31666), (427, 31468), (440, 31426), (496, 31339), (519, 31315), (542, 31309), (566, 31255), (570, 31249), (590, 31207), (596, 31204), (598, 31201), (648, 31054), (653, 31012), (659, 30985), (672, 30943), (692, 30850), (705, 30814), (707, 30808), (709, 30802), (711, 30796), (718, 30772), (729, 30739), (735, 30715), (745, 30670), (766, 30610), (829, 30457), (874, 30289), (889, 30244), (891, 30235), (894, 30226),

Gene: Blackflame_44 Start: 33886, Stop: 32060, Start Num: 181

Candidate Starts for Blackflame_44:

(Start: 181 @33886 has 918 MA's), (277, 33673), (285, 33658), (302, 33610), (311, 33580), (318, 33559), (323, 33553), (328, 33544), (369, 33427), (378, 33400), (438, 33307), (443, 33292), (483, 33208), (484, 33205), (514, 33139), (530, 33109), (542, 33079), (562, 33034), (583, 32995), (649, 32815), (660, 32785), (665, 32767), (667, 32764), (677, 32728), (692, 32662), (728, 32581), (729, 32578), (757, 32497), (828, 32347), (829, 32344), (836, 32308), (846, 32284), (852, 32275), (856, 32263), (874, 32188), (884, 32167),

Gene: Blackmoor_45 Start: 31572, Stop: 29746, Start Num: 181

Candidate Starts for Blackmoor_45:

(Start: 181 @31572 has 918 MA's), (195, 31551), (214, 31521), (224, 31491), (291, 31329), (298, 31311), (323, 31239), (328, 31230), (370, 31110), (378, 31086), (438, 30993), (460, 30945), (472, 30924), (489, 30885), (549, 30753), (560, 30732), (583, 30687), (586, 30675), (646, 30522), (649, 30501), (685, 30378), (692, 30348), (706, 30309), (728, 30243), (729, 30240), (733, 30225), (739, 30201), (750, 30177), (832, 29970), (874, 29835), (880, 29823), (884, 29814),

Gene: Blage_39 Start: 28934, Stop: 27069, Start Num: 211

Candidate Starts for Blage_39:

(Start: 140 @29021 has 3 MA's), (Start: 142 @29018 has 1 MA's), (Start: 211 @28934 has 115 MA's), (Start: 215 @28925 has 5 MA's), (255, 28820), (259, 28811), (275, 28781), (276, 28778), (332, 28658), (335, 28646), (338, 28640), (374, 28535), (384, 28508), (434, 28367), (437, 28358), (440, 28346), (450, 28319), (451, 28316), (458, 28301), (461, 28295), (466, 28289), (481, 28256), (561, 28127), (584, 28067), (685, 27752), (688, 27743), (689, 27740), (692, 27722), (707, 27680), (709, 27674), (712, 27665), (718, 27650), (735, 27593), (787, 27434), (802, 27404), (804, 27395), (829, 27335), (833, 27311), (846, 27272), (857, 27239), (858, 27227), (874, 27167),

Gene: BlessJoy_46 Start: 29785, Stop: 27944, Start Num: 181

Candidate Starts for BlessJoy_46:

(Start: 157 @29815 has 1 MA's), (Start: 181 @29785 has 918 MA's), (273, 29581), (302, 29506), (303, 29503), (311, 29476), (316, 29461), (323, 29449), (341, 29398), (374, 29308), (378, 29296), (438, 29203), (453, 29164), (466, 29146), (472, 29131), (499, 29065), (516, 29032), (517, 29029), (564, 28927), (595, 28867), (628, 28783), (649, 28702), (676, 28618), (677, 28615), (680, 28606), (685, 28579), (692, 28549), (722, 28489), (733, 28450), (828, 28234), (829, 28231), (832, 28210), (874, 28075), (880, 28063), (884, 28054), (885, 28051), (923, 27958),

Gene: Blessor_43 Start: 34562, Stop: 32733, Start Num: 181

Candidate Starts for Blessor_43:

(Start: 181 @34562 has 918 MA's), (277, 34349), (302, 34286), (311, 34256), (318, 34235), (323, 34229), (328, 34220), (369, 34103), (378, 34076), (438, 33983), (443, 33968), (483, 33884), (484, 33881), (514, 33815), (530, 33785), (542, 33755), (562, 33710), (583, 33671), (649, 33491), (665, 33443), (680, 33395), (689, 33356), (692, 33338), (706, 33299), (722, 33278), (728, 33257), (732, 33242), (779, 33119), (853, 32948), (858, 32924), (871, 32876), (874, 32864), (884, 32843), (887, 32837), (903, 32789), (908, 32774),

Gene: Blinn1_48 Start: 30144, Stop: 28303, Start Num: 181

Candidate Starts for Blinn1_48:

(Start: 181 @30144 has 918 MA's), (273, 29940), (302, 29865), (303, 29862), (316, 29820), (323, 29808), (341, 29757), (378, 29655), (438, 29562), (453, 29523), (466, 29505), (472, 29490), (499, 29424), (516, 29391), (517, 29388), (564, 29286), (595, 29226), (628, 29142), (649, 29061), (676, 28977), (677, 28974), (680, 28965), (685, 28938), (689, 28926), (692, 28908), (722, 28848), (733, 28809), (739, 28785), (828, 28593), (829, 28590), (832, 28569), (874, 28434), (880, 28422), (884, 28413), (885, 28410), (923, 28317),

Gene: Blondies_46 Start: 32832, Stop: 30442, Start Num: 20

Candidate Starts for Blondies_46:

(Start: 20 @32832 has 19 MA's), (36, 32769), (43, 32736), (52, 32682), (53, 32670), (55, 32649), (64, 32616), (69, 32589), (73, 32565), (90, 32538), (Start: 142 @32433 has 1 MA's), (176, 32385), (238, 32268), (274, 32187), (288, 32160), (296, 32139), (312, 32085), (313, 32082), (329, 32064), (335, 32043), (355, 31983), (427, 31785), (440, 31743), (496, 31656), (519, 31632), (542, 31626), (566, 31572), (570, 31566), (590, 31524), (596, 31521), (598, 31518), (648, 31371), (653, 31329), (659, 31302), (672, 31260), (692, 31167), (705, 31131), (707, 31125), (709, 31119), (711, 31113), (718, 31089), (729, 31056), (735, 31032), (745, 30987), (829, 30774), (874, 30606), (889, 30561), (891, 30552), (894, 30543),

Gene: Bloom_103 Start: 78450, Stop: 80246, Start Num: 190

Candidate Starts for Bloom_103:

(Start: 190 @78450 has 7 MA's), (236, 78546), (326, 78762), (335, 78789), (338, 78795), (369, 78864), (381, 78900), (476, 79047), (479, 79053), (489, 79074), (494, 79089), (583, 79278), (608, 79323), (620, 79356), (624, 79374), (634, 79407), (646, 79446), (649, 79467), (650, 79473), (683, 79587), (705, 79671), (707, 79677), (711, 79689), (726, 79737), (730, 79749), (739, 79785), (754, 79818),

(757, 79827), (774, 79872), (783, 79890), (820, 79974), (828, 79995), (833, 80022), (837, 80037), (853, 80070), (858, 80094), (864, 80118), (874, 80154), (884, 80181),

Gene: BluSpix_42 Start: 30791, Stop: 28962, Start Num: 181

Candidate Starts for BluSpix_42:

(Start: 181 @30791 has 918 MA's), (277, 30578), (302, 30515), (311, 30485), (318, 30464), (323, 30458), (328, 30449), (369, 30332), (378, 30305), (438, 30212), (443, 30197), (458, 30164), (483, 30113), (484, 30110), (514, 30044), (542, 29984), (562, 29939), (583, 29900), (649, 29720), (665, 29672), (680, 29624), (689, 29585), (692, 29567), (706, 29528), (722, 29507), (728, 29486), (732, 29471), (779, 29348), (853, 29177), (858, 29153), (871, 29105), (874, 29093), (884, 29072), (887, 29066), (903, 29018), (908, 29003),

Gene: Blue_44 Start: 34966, Stop: 33140, Start Num: 181

Candidate Starts for Blue_44:

(Start: 181 @34966 has 918 MA's), (277, 34753), (285, 34738), (311, 34660), (318, 34639), (323, 34633), (328, 34624), (369, 34507), (378, 34480), (438, 34387), (443, 34372), (483, 34288), (484, 34285), (514, 34219), (530, 34189), (542, 34159), (562, 34114), (583, 34075), (649, 33895), (665, 33847), (667, 33844), (677, 33808), (692, 33742), (706, 33703), (722, 33682), (728, 33661), (733, 33643), (757, 33577), (828, 33427), (829, 33424), (836, 33388), (846, 33364), (856, 33343), (859, 33325), (862, 33316), (874, 33268), (884, 33247),

Gene: Blue7_48 Start: 29980, Stop: 28181, Start Num: 181

Candidate Starts for Blue7_48:

(Start: 181 @29980 has 918 MA's), (273, 29776), (277, 29767), (302, 29701), (303, 29698), (311, 29671), (316, 29656), (323, 29644), (341, 29593), (374, 29503), (378, 29491), (438, 29398), (458, 29350), (466, 29341), (547, 29158), (622, 29008), (649, 28903), (667, 28846), (677, 28810), (680, 28801), (685, 28774), (692, 28744), (706, 28705), (722, 28684), (731, 28651), (733, 28645), (767, 28546), (801, 28483), (828, 28429), (832, 28405), (855, 28348), (874, 28270), (880, 28258), (884, 28249), (885, 28246),

Gene: BlueBird_47 Start: 31555, Stop: 29717, Start Num: 181

Candidate Starts for BlueBird_47:

(Start: 181 @31555 has 918 MA's), (214, 31504), (238, 31438), (273, 31351), (299, 31291), (302, 31279), (323, 31222), (328, 31213), (370, 31093), (378, 31069), (438, 30973), (460, 30925), (489, 30865), (517, 30802), (549, 30733), (560, 30712), (596, 30640), (618, 30598), (628, 30556), (649, 30475), (665, 30427), (685, 30352), (692, 30322), (704, 30292), (729, 30211), (739, 30172), (750, 30148), (757, 30130), (816, 30001), (832, 29941), (874, 29806), (880, 29794), (884, 29785),

Gene: BlueNGold_170 Start: 99709, Stop: 97928, Start Num: 183

Candidate Starts for BlueNGold_170:

(Start: 183 @99709 has 4 MA's), (214, 99664), (Start: 223 @99637 has 1 MA's), (259, 99544), (289, 99484), (290, 99481), (294, 99472), (301, 99448), (314, 99406), (315, 99403), (335, 99358), (358, 99316), (376, 99262), (438, 99178), (476, 99094), (489, 99067), (494, 99052), (572, 98893), (583, 98869), (587, 98854), (595, 98845), (632, 98758), (641, 98731), (642, 98728), (646, 98707), (649, 98686), (666, 98635), (689, 98551), (694, 98524), (704, 98491), (716, 98449), (754, 98338), (763, 98311), (780, 98275), (784, 98266), (785, 98263), (790, 98254), (833, 98134), (839, 98113), (842, 98107), (857, 98074), (860, 98056), (862, 98050), (870, 98017), (874, 98002), (885, 97978), (887, 97975), (894, 97951),

Gene: Bluefalcon_37 Start: 30628, Stop: 28769, Start Num: 181

Candidate Starts for Bluefalcon_37:

(Start: 181 @30628 has 918 MA's), (214, 30577), (236, 30517), (261, 30454), (273, 30424), (275, 30421), (299, 30364), (311, 30322), (323, 30295), (378, 30142), (438, 30046), (450, 30013), (458,

29998), (497, 29914), (499, 29908), (516, 29875), (555, 29788), (562, 29776), (583, 29737), (614, 29677), (649, 29542), (660, 29512), (665, 29494), (676, 29458), (677, 29455), (692, 29389), (706, 29350), (728, 29308), (733, 29290), (750, 29242), (753, 29236), (767, 29191), (796, 29137), (801, 29128), (816, 29110), (837, 29032), (858, 28975), (868, 28939), (874, 28915), (880, 28903), (929, 28786), (930, 28783),

Gene: Bob3_42 Start: 33539, Stop: 31710, Start Num: 181

Candidate Starts for Bob3_42:

(Start: 181 @33539 has 918 MA's), (277, 33326), (285, 33311), (302, 33263), (311, 33233), (318, 33212), (323, 33206), (328, 33197), (369, 33080), (378, 33053), (438, 32960), (443, 32945), (451, 32924), (483, 32861), (484, 32858), (514, 32792), (530, 32762), (542, 32732), (562, 32687), (583, 32648), (649, 32468), (665, 32420), (680, 32372), (689, 32333), (692, 32315), (706, 32276), (722, 32255), (728, 32234), (779, 32096), (853, 31925), (858, 31901), (867, 31868), (871, 31853), (874, 31841), (884, 31820), (887, 31814), (903, 31766), (908, 31751),

Gene: BobSwaget_44 Start: 31390, Stop: 29603, Start Num: 181

Candidate Starts for BobSwaget_44:

(Start: 181 @31390 has 918 MA's), (275, 31183), (277, 31177), (291, 31147), (302, 31114), (303, 31111), (316, 31069), (323, 31057), (378, 30904), (438, 30811), (458, 30763), (466, 30754), (472, 30739), (499, 30673), (560, 30544), (628, 30400), (649, 30319), (667, 30268), (676, 30235), (677, 30232), (692, 30166), (706, 30127), (722, 30106), (745, 30031), (750, 30019), (782, 29941), (801, 29905), (816, 29887), (828, 29851), (832, 29827), (859, 29749), (874, 29692), (880, 29680), (884, 29671),

Gene: BobbyDazzler_36 Start: 28159, Stop: 26375, Start Num: 181

Candidate Starts for BobbyDazzler_36:

(Start: 181 @28159 has 918 MA's), (288, 27925), (299, 27895), (301, 27886), (302, 27883), (316, 27838), (323, 27826), (328, 27817), (341, 27775), (378, 27673), (391, 27652), (438, 27580), (455, 27535), (458, 27532), (480, 27490), (482, 27484), (489, 27469), (499, 27442), (549, 27337), (562, 27310), (583, 27271), (649, 27091), (665, 27043), (692, 26938), (693, 26935), (722, 26878), (728, 26857), (741, 26809), (769, 26734), (813, 26665), (828, 26623), (832, 26599), (859, 26521), (874, 26464), (880, 26452), (900, 26395),

Gene: Boersma_57 Start: 36879, Stop: 34711, Start Num: 158

Candidate Starts for Boersma_57:

(155, 36882), (Start: 158 @36879 has 13 MA's), (195, 36825), (Start: 230 @36741 has 5 MA's), (289, 36588), (293, 36579), (306, 36534), (328, 36456), (330, 36447), (335, 36432), (341, 36417), (342, 36414), (362, 36357), (393, 36264), (401, 36222), (469, 36027), (473, 36015), (475, 36009), (486, 35985), (493, 35964), (501, 35943), (505, 35928), (509, 35922), (541, 35859), (562, 35808), (587, 35721), (616, 35661), (628, 35613), (652, 35511), (655, 35505), (669, 35478), (670, 35475), (676, 35454), (686, 35412), (688, 35406), (693, 35382), (707, 35340), (708, 35337), (716, 35310), (723, 35277), (727, 35265), (736, 35229), (745, 35205), (748, 35199), (750, 35193), (768, 35139), (792, 35091), (795, 35088), (820, 35028), (828, 35004), (834, 34974), (854, 34920), (871, 34851), (874, 34839), (885, 34800),

Gene: BogosyJay_44 Start: 31342, Stop: 29549, Start Num: 181

Candidate Starts for BogosyJay_44:

(Start: 181 @31342 has 918 MA's), (187, 31333), (236, 31231), (259, 31171), (261, 31168), (273, 31138), (277, 31129), (291, 31096), (302, 31063), (303, 31060), (311, 31033), (316, 31018), (323, 31006), (378, 30853), (438, 30760), (499, 30622), (514, 30592), (595, 30421), (616, 30394), (618, 30388), (649, 30265), (689, 30130), (692, 30112), (728, 30031), (767, 29914), (828, 29797), (832, 29773), (859, 29695), (874, 29638), (880, 29626), (884, 29617),

Gene: Bombshell_45 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for Bombshell_45:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: Bonamassa_39 Start: 30653, Stop: 28809, Start Num: 181

Candidate Starts for Bonamassa_39:

(Start: 181 @30653 has 918 MA's), (214, 30602), (236, 30542), (261, 30479), (273, 30449), (275, 30446), (299, 30389), (302, 30377), (311, 30347), (323, 30320), (378, 30167), (438, 30071), (458, 30023), (497, 29939), (499, 29933), (537, 29861), (549, 29828), (555, 29813), (562, 29801), (614, 29702), (649, 29567), (660, 29537), (665, 29519), (667, 29516), (677, 29480), (680, 29471), (683, 29450), (686, 29441), (692, 29414), (693, 29411), (722, 29354), (728, 29333), (767, 29216), (796, 29162), (801, 29153), (816, 29135), (832, 29075), (837, 29057), (858, 29000), (868, 28964), (874, 28940), (880, 28928),

Gene: Bonanza_36 Start: 28087, Stop: 26303, Start Num: 181

Candidate Starts for Bonanza_36:

(Start: 181 @28087 has 918 MA's), (288, 27853), (299, 27823), (301, 27814), (302, 27811), (316, 27766), (323, 27754), (328, 27745), (341, 27703), (378, 27601), (391, 27580), (438, 27508), (455, 27463), (458, 27460), (480, 27418), (482, 27412), (489, 27397), (499, 27370), (549, 27265), (562, 27238), (583, 27199), (649, 27019), (665, 26971), (692, 26866), (693, 26863), (722, 26806), (728, 26785), (741, 26737), (769, 26662), (813, 26593), (828, 26551), (832, 26527), (859, 26449), (874, 26392), (880, 26380), (900, 26323),

Gene: Bones_45 Start: 35104, Stop: 33317, Start Num: 181

Candidate Starts for Bones_45:

(Start: 181 @35104 has 918 MA's), (277, 34891), (285, 34876), (311, 34798), (318, 34777), (323, 34771), (328, 34762), (369, 34645), (378, 34618), (438, 34525), (443, 34510), (483, 34426), (484, 34423), (514, 34357), (530, 34327), (542, 34297), (562, 34252), (583, 34213), (649, 34033), (665, 33985), (677, 33946), (692, 33880), (725, 33808), (728, 33799), (757, 33715), (796, 33628), (846, 33502), (853, 33490), (874, 33406), (878, 33400),

Gene: BonesMcCoy_39 Start: 28934, Stop: 27069, Start Num: 211

Candidate Starts for BonesMcCoy_39:

(Start: 140 @29021 has 3 MA's), (Start: 142 @29018 has 1 MA's), (Start: 211 @28934 has 115 MA's), (Start: 215 @28925 has 5 MA's), (255, 28820), (259, 28811), (275, 28781), (276, 28778), (330, 28661), (335, 28646), (338, 28640), (374, 28535), (384, 28508), (434, 28367), (437, 28358), (440, 28346), (450, 28319), (451, 28316), (458, 28301), (461, 28295), (466, 28289), (481, 28256), (584, 28067), (617, 28013), (622, 27992), (685, 27752), (688, 27743), (689, 27740), (692, 27722), (707, 27680), (709, 27674), (718, 27650), (735, 27593), (787, 27434), (802, 27404), (804, 27395), (829, 27335), (833, 27311), (846, 27272), (857, 27239), (858, 27227), (874, 27167),

Gene: Bonino_38 Start: 28608, Stop: 26743, Start Num: 211

Candidate Starts for Bonino_38:

(Start: 140 @28695 has 3 MA's), (Start: 211 @28608 has 115 MA's), (Start: 215 @28599 has 5 MA's), (255, 28494), (259, 28485), (275, 28455), (276, 28452), (332, 28332), (335, 28320), (338, 28314), (374, 28209), (384, 28182), (434, 28041), (435, 28035), (437, 28032), (440, 28020), (450, 27993), (451, 27990), (458, 27975), (461, 27969), (466, 27963), (481, 27930), (561, 27801), (584, 27741), (685, 27426), (688, 27417), (689, 27414), (692, 27396), (707, 27354), (709, 27348), (718, 27324), (735, 27267), (787, 27108), (802, 27078), (804, 27069), (829, 27009), (833, 26985), (846, 26946),

(857, 26913), (858, 26901), (874, 26841),

Gene: BooTeria_95 Start: 75090, Stop: 76808, Start Num: 227

Candidate Starts for BooTeria_95:

(Start: 190 @75015 has 7 MA's), (213, 75048), (Start: 219 @75069 has 1 MA's), (Start: 223 @75078 has 1 MA's), (227, 75090), (326, 75327), (335, 75354), (338, 75360), (420, 75495), (476, 75612), (489, 75639), (491, 75645), (494, 75654), (521, 75708), (583, 75840), (589, 75861), (610, 75888), (624, 75936), (634, 75969), (646, 76008), (649, 76029), (650, 76035), (683, 76152), (705, 76236), (706, 76239), (726, 76302), (730, 76314), (739, 76350), (754, 76383), (774, 76437), (783, 76455), (820, 76539), (828, 76560), (833, 76587), (853, 76635), (855, 76641), (858, 76659), (862, 76671), (864, 76683), (865, 76686), (874, 76719), (884, 76746), (892, 76770),

Gene: Boohoo_47 Start: 29967, Stop: 28177, Start Num: 181

Candidate Starts for Boohoo_47:

(Start: 181 @29967 has 918 MA's), (261, 29793), (302, 29688), (303, 29685), (311, 29658), (323, 29631), (341, 29580), (378, 29478), (438, 29385), (455, 29340), (458, 29337), (466, 29328), (539, 29166), (549, 29139), (560, 29118), (562, 29112), (619, 29013), (628, 28974), (644, 28923), (649, 28893), (667, 28842), (676, 28809), (683, 28776), (685, 28770), (692, 28740), (722, 28680), (728, 28659), (739, 28617), (751, 28590), (757, 28575), (796, 28488), (828, 28425), (829, 28422), (874, 28266), (880, 28254), (885, 28242),

Gene: Boopy_173 Start: 99720, Stop: 97939, Start Num: 183

Candidate Starts for Boopy_173:

(Start: 183 @99720 has 4 MA's), (214, 99675), (Start: 223 @99648 has 1 MA's), (259, 99555), (289, 99495), (290, 99492), (294, 99483), (301, 99459), (314, 99417), (315, 99414), (335, 99369), (358, 99327), (376, 99273), (438, 99189), (476, 99105), (489, 99078), (494, 99063), (572, 98904), (583, 98880), (587, 98865), (595, 98856), (632, 98769), (641, 98742), (642, 98739), (646, 98718), (649, 98697), (666, 98646), (689, 98562), (694, 98535), (704, 98502), (716, 98460), (754, 98349), (763, 98322), (780, 98286), (784, 98277), (785, 98274), (790, 98265), (833, 98145), (839, 98124), (842, 98118), (857, 98085), (860, 98067), (862, 98061), (870, 98028), (874, 98013), (885, 97989), (887, 97986), (894, 97962),

Gene: BouleyBill_36 Start: 28490, Stop: 26640, Start Num: 207

Candidate Starts for BouleyBill_36:

(Start: 207 @28490 has 19 MA's), (259, 28367), (276, 28334), (329, 28223), (335, 28202), (338, 28196), (340, 28187), (354, 28145), (415, 27989), (434, 27935), (435, 27929), (437, 27926), (440, 27914), (451, 27884), (480, 27827), (568, 27680), (630, 27533), (685, 27323), (689, 27311), (692, 27293), (707, 27251), (712, 27236), (735, 27164), (802, 26975), (804, 26966), (829, 26906), (833, 26882), (844, 26849), (874, 26738),

Gene: Bowtie_45 Start: 30783, Stop: 28996, Start Num: 181

Candidate Starts for Bowtie_45:

(Start: 181 @30783 has 918 MA's), (273, 30579), (302, 30507), (311, 30477), (323, 30450), (440, 30198), (466, 30147), (499, 30066), (523, 30021), (560, 29937), (586, 29880), (617, 29838), (628, 29793), (649, 29712), (667, 29661), (677, 29625), (692, 29559), (722, 29499), (725, 29487), (760, 29385), (767, 29361), (777, 29343), (816, 29280), (825, 29253), (828, 29244), (832, 29220), (874, 29085), (880, 29073), (884, 29064),

Gene: Brad_36 Start: 31887, Stop: 30142, Start Num: 200

Candidate Starts for Brad_36:

(184, 31914), (Start: 200 @31887 has 6 MA's), (203, 31884), (Start: 218 @31851 has 1 MA's), (221, 31845), (256, 31752), (271, 31719), (285, 31692), (337, 31557), (413, 31428), (414, 31422), (427, 31398), (432, 31383), (439, 31356), (450, 31326), (489, 31245), (492, 31236), (520, 31176), (529,

31155), (587, 31041), (599, 31023), (707, 30645), (722, 30627), (740, 30561), (748, 30546), (836, 30327), (853, 30285), (874, 30201), (886, 30168),

Gene: Bradman_44 Start: 30374, Stop: 28545, Start Num: 180

Candidate Starts for Bradman_44:

(Start: 180 @30374 has 21 MA's), (273, 30170), (275, 30167), (277, 30161), (286, 30146), (291, 30131), (301, 30101), (302, 30098), (311, 30068), (323, 30041), (332, 30020), (341, 29990), (378, 29888), (438, 29795), (458, 29747), (466, 29738), (472, 29723), (499, 29657), (539, 29576), (560, 29528), (583, 29483), (649, 29303), (665, 29255), (667, 29252), (677, 29216), (692, 29150), (706, 29111), (722, 29090), (745, 29015), (753, 28997), (767, 28952), (782, 28925), (801, 28889), (816, 28871), (828, 28835), (832, 28811), (859, 28733), (874, 28676), (880, 28664), (884, 28655), (900, 28607), (915, 28577), (924, 28559), (926, 28556),

Gene: Bradshaw_36 Start: 28113, Stop: 26329, Start Num: 181

Candidate Starts for Bradshaw_36:

(Start: 181 @28113 has 918 MA's), (288, 27879), (299, 27849), (301, 27840), (302, 27837), (316, 27792), (323, 27780), (341, 27729), (378, 27627), (391, 27606), (438, 27534), (455, 27489), (458, 27486), (480, 27444), (482, 27438), (489, 27423), (499, 27396), (549, 27291), (553, 27282), (562, 27264), (564, 27261), (583, 27225), (649, 27045), (665, 26997), (692, 26892), (693, 26889), (722, 26832), (728, 26811), (741, 26763), (769, 26688), (813, 26619), (828, 26577), (832, 26553), (859, 26475), (874, 26418), (880, 26406), (894, 26367), (900, 26349),

Gene: Brahms_40 Start: 27441, Stop: 29309, Start Num: 168

Candidate Starts for Brahms_40:

(Start: 168 @27441 has 7 MA's), (Start: 171 @27444 has 61 MA's), (173, 27447), (Start: 219 @27516 has 1 MA's), (341, 27825), (366, 27879), (453, 28044), (489, 28119), (497, 28140), (635, 28494), (649, 28554), (667, 28605), (683, 28671), (692, 28707), (726, 28800), (793, 28971), (828, 29043), (855, 29124), (873, 29199), (874, 29202), (884, 29223), (910, 29292),

Gene: BreSam8_48 Start: 31846, Stop: 30032, Start Num: 181

Candidate Starts for BreSam8_48:

(Start: 181 @31846 has 918 MA's), (206, 31807), (214, 31795), (273, 31642), (281, 31627), (302, 31570), (323, 31513), (328, 31504), (341, 31462), (360, 31411), (378, 31360), (438, 31267), (458, 31219), (466, 31210), (472, 31195), (489, 31156), (499, 31129), (514, 31099), (555, 31006), (584, 30946), (595, 30931), (649, 30775), (677, 30688), (692, 30622), (706, 30583), (729, 30511), (739, 30472), (750, 30448), (757, 30430), (767, 30397), (782, 30370), (816, 30316), (832, 30256), (859, 30178), (874, 30121), (880, 30109), (884, 30100),

Gene: Briton15_46 Start: 34660, Stop: 32834, Start Num: 181

Candidate Starts for Briton15_46:

(Start: 181 @34660 has 918 MA's), (277, 34447), (285, 34432), (302, 34384), (311, 34354), (318, 34333), (323, 34327), (328, 34318), (369, 34201), (378, 34174), (438, 34081), (443, 34066), (458, 34033), (483, 33982), (484, 33979), (514, 33913), (530, 33883), (542, 33853), (562, 33808), (583, 33769), (649, 33589), (660, 33559), (665, 33541), (677, 33502), (692, 33436), (706, 33397), (722, 33376), (728, 33355), (733, 33337), (757, 33271), (828, 33121), (829, 33118), (836, 33082), (846, 33058), (852, 33049), (856, 33037), (874, 32962), (884, 32941),

Gene: Broseidon_45 Start: 31572, Stop: 29746, Start Num: 181

Candidate Starts for Broseidon_45:

(Start: 181 @31572 has 918 MA's), (195, 31551), (214, 31521), (224, 31491), (291, 31329), (298, 31311), (323, 31239), (328, 31230), (370, 31110), (378, 31086), (438, 30993), (460, 30945), (472, 30924), (489, 30885), (549, 30753), (560, 30732), (583, 30687), (586, 30675), (646, 30522), (649, 30501), (685, 30378), (692, 30348), (706, 30309), (728, 30243), (729, 30240), (733, 30225), (739,

30201), (750, 30177), (832, 29970), (874, 29835), (880, 29823), (884, 29814),

Gene: Bruiser_44 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Bruiser_44:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Bruns_43 Start: 34261, Stop: 32435, Start Num: 181

Candidate Starts for Bruns_43:

(Start: 181 @34261 has 918 MA's), (277, 34048), (285, 34033), (311, 33955), (318, 33934), (323, 33928), (328, 33919), (369, 33802), (378, 33775), (438, 33682), (443, 33667), (451, 33646), (458, 33634), (483, 33583), (484, 33580), (514, 33514), (530, 33484), (542, 33454), (562, 33409), (583, 33370), (649, 33190), (665, 33142), (677, 33103), (692, 33037), (706, 32998), (722, 32977), (728, 32956), (733, 32938), (757, 32872), (828, 32722), (829, 32719), (836, 32683), (846, 32659), (852, 32650), (856, 32638), (874, 32563), (884, 32542),

Gene: Bryce_36 Start: 28088, Stop: 26304, Start Num: 181

Candidate Starts for Bryce_36:

(Start: 181 @28088 has 918 MA's), (288, 27854), (299, 27824), (301, 27815), (302, 27812), (316, 27767), (323, 27755), (341, 27704), (378, 27602), (391, 27581), (438, 27509), (458, 27461), (489, 27398), (499, 27371), (549, 27266), (562, 27239), (583, 27200), (649, 27020), (665, 26972), (692, 26867), (693, 26864), (722, 26807), (728, 26786), (769, 26663), (813, 26594), (828, 26552), (832, 26528), (859, 26450), (874, 26393), (880, 26381), (900, 26324),

Gene: BubbaBear_41 Start: 29478, Stop: 31352, Start Num: 171

Candidate Starts for BubbaBear_41:

(Start: 171 @29478 has 61 MA's), (Start: 219 @29547 has 1 MA's), (227, 29568), (328, 29814), (333, 29829), (341, 29856), (489, 30150), (594, 30384), (635, 30507), (649, 30567), (650, 30573), (667, 30618), (674, 30633), (675, 30648), (683, 30684), (692, 30720), (726, 30813), (758, 30906), (793, 30984), (828, 31056), (836, 31095), (855, 31137), (858, 31155), (874, 31215), (884, 31236),

Gene: Bubble_41 Start: 32141, Stop: 29748, Start Num: 20

Candidate Starts for Bubble_41:

(Start: 20 @32141 has 19 MA's), (28, 32135), (Start: 35 @32087 has 1 MA's), (43, 32045), (49, 32021), (69, 31895), (73, 31871), (97, 31826), (123, 31775), (132, 31760), (Start: 142 @31739 has 1 MA's), (176, 31691), (204, 31649), (238, 31574), (240, 31562), (274, 31493), (290, 31460), (296, 31445), (312, 31391), (313, 31388), (329, 31370), (335, 31349), (355, 31289), (404, 31166), (405, 31160), (427, 31091), (440, 31049), (496, 30962), (519, 30938), (542, 30932), (552, 30908), (556, 30899), (563, 30884), (570, 30872), (590, 30830), (596, 30827), (598, 30824), (648, 30677), (659, 30608), (661, 30602), (672, 30566), (692, 30473), (705, 30437), (707, 30431), (709, 30425), (711, 30419), (729, 30362), (735, 30338), (745, 30293), (874, 29912), (889, 29867), (891, 29858), (911, 29798),

Gene: BubbleTrouble_44 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for BubbleTrouble_44:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Bud_44 Start: 30338, Stop: 28551, Start Num: 181

Candidate Starts for Bud_44:

(Start: 181 @30338 has 918 MA's), (273, 30134), (302, 30062), (311, 30032), (323, 30005), (440, 29753), (466, 29702), (499, 29621), (523, 29576), (560, 29492), (586, 29435), (617, 29393), (628, 29348), (649, 29267), (667, 29216), (677, 29180), (692, 29114), (722, 29054), (760, 28940), (767, 28916), (777, 28898), (816, 28835), (825, 28808), (828, 28799), (832, 28775), (874, 28640), (880, 28628), (884, 28619),

Gene: Bugatti_46 Start: 31555, Stop: 29717, Start Num: 181

Candidate Starts for Bugatti_46:

(Start: 181 @31555 has 918 MA's), (214, 31504), (238, 31438), (273, 31351), (299, 31291), (302, 31279), (323, 31222), (328, 31213), (370, 31093), (378, 31069), (438, 30973), (460, 30925), (489, 30865), (517, 30802), (549, 30733), (560, 30712), (596, 30640), (618, 30598), (628, 30556), (649, 30475), (665, 30427), (685, 30352), (692, 30322), (704, 30292), (729, 30211), (739, 30172), (750, 30148), (757, 30130), (816, 30001), (832, 29941), (874, 29806), (880, 29794), (884, 29785),

Gene: Bugsy_46 Start: 31852, Stop: 30065, Start Num: 181

Candidate Starts for Bugsy_46:

(Start: 181 @31852 has 918 MA's), (273, 31648), (275, 31645), (277, 31639), (291, 31609), (302, 31576), (303, 31573), (311, 31546), (323, 31519), (341, 31468), (378, 31366), (438, 31273), (458, 31225), (466, 31216), (472, 31201), (499, 31135), (539, 31054), (560, 31006), (628, 30862), (649, 30781), (667, 30730), (676, 30697), (692, 30628), (706, 30589), (722, 30568), (728, 30547), (731, 30535), (813, 30355), (816, 30349), (828, 30313), (832, 30289), (859, 30211), (874, 30154), (880, 30142),

Gene: Buldak_39 Start: 28039, Stop: 29922, Start Num: 172

Candidate Starts for Buldak_39:

(87, 27883), (Start: 172 @28039 has 3 MA's), (193, 28057), (Start: 219 @28108 has 1 MA's), (227, 28129), (238, 28159), (273, 28246), (302, 28309), (311, 28339), (318, 28360), (328, 28375), (332, 28387), (467, 28669), (489, 28720), (497, 28741), (649, 29137), (650, 29143), (677, 29224), (683, 29254), (686, 29263), (692, 29290), (726, 29383), (757, 29473), (793, 29554), (796, 29560), (820, 29605), (832, 29650), (839, 29674), (855, 29707), (857, 29713), (858, 29725), (859, 29728), (874, 29785), (882, 29800), (884, 29806), (892, 29830),

Gene: Bumblebee11_43 Start: 31522, Stop: 29693, Start Num: 181

Candidate Starts for Bumblebee11_43:

(Start: 181 @31522 has 918 MA's), (214, 31471), (224, 31441), (291, 31279), (298, 31261), (302, 31246), (323, 31189), (328, 31180), (370, 31060), (378, 31036), (414, 30994), (438, 30943), (460, 30895), (472, 30874), (489, 30835), (506, 30790), (510, 30784), (549, 30703), (560, 30682), (583, 30637), (646, 30472), (649, 30451), (692, 30298), (706, 30259), (729, 30187), (733, 30172), (739, 30148), (748, 30130), (750, 30124), (753, 30118), (832, 29917), (874, 29782), (880, 29770), (884, 29761),

Gene: Burger_43 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Burger_43:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Burnsey_43 Start: 32545, Stop: 30152, Start Num: 20

Candidate Starts for Burnsey_43:

(Start: 20 @32545 has 19 MA's), (28, 32539), (Start: 35 @32491 has 1 MA's), (43, 32449), (49, 32425), (69, 32299), (73, 32275), (97, 32230), (123, 32179), (132, 32164), (Start: 142 @32143 has 1 MA's), (176, 32095), (204, 32053), (238, 31978), (240, 31966), (274, 31897), (290, 31864), (296, 31849), (312, 31795), (313, 31792), (329, 31774), (335, 31753), (355, 31693), (404, 31570), (405, 31564), (427, 31495), (440, 31453), (496, 31366), (519, 31342), (542, 31336), (552, 31312), (556, 31303), (563, 31288), (570, 31276), (590, 31234), (596, 31231), (598, 31228), (648, 31081), (659, 31012), (661, 31006), (672, 30970), (692, 30877), (705, 30841), (707, 30835), (709, 30829), (711, 30823), (729, 30766), (735, 30742), (745, 30697), (874, 30316), (889, 30271), (891, 30262), (911, 30202),

Gene: Burritobowl_42 Start: 29479, Stop: 31353, Start Num: 171

Candidate Starts for Burritobowl_42:

(Start: 171 @29479 has 61 MA's), (Start: 219 @29548 has 1 MA's), (227, 29569), (328, 29815), (333, 29830), (341, 29857), (489, 30151), (549, 30286), (594, 30385), (635, 30508), (649, 30568), (650, 30574), (667, 30619), (674, 30634), (675, 30649), (683, 30685), (692, 30721), (726, 30814), (793, 30985), (828, 31057), (836, 31096), (855, 31138), (858, 31156), (868, 31192), (874, 31216), (884, 31237),

Gene: Burton_44 Start: 34084, Stop: 32258, Start Num: 181

Candidate Starts for Burton_44:

(Start: 181 @34084 has 918 MA's), (277, 33871), (285, 33856), (302, 33808), (311, 33778), (318, 33757), (323, 33751), (328, 33742), (369, 33625), (378, 33598), (438, 33505), (443, 33490), (458, 33457), (483, 33406), (484, 33403), (514, 33337), (530, 33307), (542, 33277), (562, 33232), (583, 33193), (649, 33013), (665, 32965), (677, 32926), (692, 32860), (706, 32821), (722, 32800), (728, 32779), (733, 32761), (757, 32695), (828, 32545), (829, 32542), (836, 32506), (846, 32482), (852, 32473), (856, 32461), (874, 32386), (884, 32365),

Gene: Bustleton_37 Start: 28493, Stop: 26643, Start Num: 207

Candidate Starts for Bustleton_37:

(Start: 207 @28493 has 19 MA's), (259, 28370), (276, 28337), (329, 28226), (335, 28205), (338, 28199), (354, 28148), (415, 27992), (434, 27938), (435, 27932), (437, 27929), (440, 27917), (451, 27887), (480, 27830), (568, 27683), (630, 27536), (685, 27326), (689, 27314), (692, 27296), (707, 27254), (712, 27239), (725, 27203), (735, 27167), (802, 26978), (804, 26969), (829, 26909), (833, 26885), (839, 26864), (844, 26852), (874, 26741),

Gene: Button_46 Start: 32802, Stop: 30418, Start Num: 26

Candidate Starts for Button_46:

(Start: 26 @32802 has 25 MA's), (49, 32688), (52, 32658), (73, 32550), (80, 32529), (164, 32391), (Start: 172 @32376 has 3 MA's), (204, 32328), (238, 32253), (239, 32247), (240, 32241), (242, 32235), (274, 32166), (287, 32142), (295, 32121), (296, 32118), (299, 32109), (329, 32043), (335, 32022), (391, 31875), (427, 31761), (442, 31713), (446, 31704), (454, 31683), (456, 31677), (552, 31584), (558, 31572), (596, 31500), (618, 31458), (621, 31446), (653, 31305), (656, 31281), (661, 31266), (672, 31230), (692, 31137), (705, 31101), (707, 31095), (709, 31089), (711, 31083), (729, 31026), (733, 31011), (735, 31002), (787, 30843), (797, 30822), (817, 30783), (829, 30744), (832, 30723), (838, 30702), (842, 30690), (851, 30672), (865, 30609), (867, 30603), (874, 30576), (880, 30552), (889, 30531), (922, 30444),

Gene: Buttons_43 Start: 33067, Stop: 31241, Start Num: 181

Candidate Starts for Buttons_43:

(Start: 181 @33067 has 918 MA's), (277, 32854), (299, 32803), (311, 32761), (318, 32740), (323, 32734), (328, 32725), (369, 32608), (378, 32581), (438, 32488), (443, 32473), (483, 32389), (484, 32386), (514, 32320), (530, 32290), (542, 32260), (562, 32215), (583, 32176), (649, 31996), (665, 31948), (677, 31909), (692, 31843), (706, 31804), (722, 31783), (728, 31762), (733, 31744), (757, 31678), (828, 31528), (829, 31525), (836, 31489), (846, 31465), (852, 31456), (856, 31444), (874,

31369), (884, 31348),

Gene: Buttrmlkdreams_45 Start: 32962, Stop: 30572, Start Num: 20

Candidate Starts for Buttrmlkdreams_45:

(Start: 20 @32962 has 19 MA's), (36, 32899), (41, 32881), (43, 32866), (52, 32812), (53, 32800), (55, 32779), (64, 32746), (69, 32719), (73, 32695), (90, 32668), (Start: 142 @32563 has 1 MA's), (176, 32515), (238, 32398), (274, 32317), (288, 32290), (296, 32269), (313, 32212), (329, 32194), (335, 32173), (355, 32113), (404, 31990), (405, 31984), (427, 31915), (440, 31873), (496, 31786), (519, 31762), (542, 31756), (552, 31732), (556, 31723), (563, 31708), (570, 31696), (590, 31654), (596, 31651), (598, 31648), (648, 31501), (659, 31432), (661, 31426), (672, 31390), (692, 31297), (705, 31261), (707, 31255), (709, 31249), (711, 31243), (729, 31186), (735, 31162), (745, 31117), (874, 30736), (889, 30691), (891, 30682), (911, 30622),

Gene: BuzzBuzz_46 Start: 31884, Stop: 30070, Start Num: 181

Candidate Starts for BuzzBuzz_46:

(Start: 181 @31884 has 918 MA's), (206, 31845), (214, 31833), (273, 31680), (281, 31665), (302, 31608), (323, 31551), (328, 31542), (341, 31500), (360, 31449), (378, 31398), (420, 31344), (438, 31305), (458, 31257), (472, 31233), (489, 31194), (499, 31167), (514, 31137), (555, 31044), (562, 31032), (584, 30984), (595, 30969), (649, 30813), (667, 30762), (676, 30729), (677, 30726), (692, 30660), (706, 30621), (729, 30549), (739, 30510), (750, 30486), (757, 30468), (767, 30435), (816, 30354), (832, 30294), (862, 30207), (874, 30159), (880, 30147), (884, 30138), (885, 30135),

Gene: Bxb1_41 Start: 34132, Stop: 32306, Start Num: 181

Candidate Starts for Bxb1_41:

(Start: 181 @34132 has 918 MA's), (259, 33961), (277, 33919), (285, 33904), (302, 33856), (311, 33826), (318, 33805), (323, 33799), (328, 33790), (369, 33673), (378, 33646), (438, 33553), (443, 33538), (451, 33517), (458, 33505), (483, 33454), (484, 33451), (506, 33397), (514, 33385), (530, 33355), (542, 33325), (562, 33280), (583, 33241), (649, 33061), (660, 33031), (665, 33013), (677, 32974), (692, 32908), (728, 32827), (729, 32824), (757, 32743), (828, 32593), (829, 32590), (836, 32554), (846, 32530), (852, 32521), (856, 32509), (862, 32482), (874, 32434), (884, 32413),

Gene: Bxz2_44 Start: 31891, Stop: 30077, Start Num: 181

Candidate Starts for Bxz2_44:

(Start: 181 @31891 has 918 MA's), (206, 31852), (214, 31840), (273, 31687), (281, 31672), (302, 31615), (323, 31558), (328, 31549), (341, 31507), (360, 31456), (378, 31405), (420, 31351), (438, 31312), (458, 31264), (472, 31240), (489, 31201), (499, 31174), (514, 31144), (555, 31051), (562, 31039), (584, 30991), (595, 30976), (649, 30820), (667, 30769), (676, 30736), (677, 30733), (692, 30667), (706, 30628), (729, 30556), (739, 30517), (750, 30493), (757, 30475), (767, 30442), (832, 30301), (862, 30214), (874, 30166), (880, 30154), (884, 30145), (885, 30142),

Gene: Byron23_39 Start: 28933, Stop: 27068, Start Num: 211

Candidate Starts for Byron23_39:

(Start: 140 @29020 has 3 MA's), (Start: 142 @29017 has 1 MA's), (Start: 211 @28933 has 115 MA's), (Start: 215 @28924 has 5 MA's), (255, 28819), (259, 28810), (275, 28780), (276, 28777), (332, 28657), (335, 28645), (338, 28639), (374, 28534), (384, 28507), (434, 28366), (435, 28360), (437, 28357), (440, 28345), (450, 28318), (451, 28315), (458, 28300), (461, 28294), (466, 28288), (481, 28255), (584, 28066), (685, 27751), (688, 27742), (689, 27739), (692, 27721), (707, 27679), (709, 27673), (712, 27664), (718, 27649), (735, 27592), (787, 27433), (802, 27403), (804, 27394), (829, 27334), (833, 27310), (846, 27271), (857, 27238), (858, 27226), (874, 27166),

Gene: C3_43 Start: 31569, Stop: 29770, Start Num: 181

Candidate Starts for C3_43:

(Start: 181 @31569 has 918 MA's), (273, 31365), (302, 31290), (303, 31287), (311, 31260), (316, 31245), (323, 31233), (341, 31182), (378, 31080), (438, 30987), (441, 30978), (458, 30939), (466, 30930), (499, 30849), (516, 30816), (530, 30789), (583, 30675), (595, 30651), (649, 30486), (665, 30438), (677, 30399), (685, 30363), (692, 30333), (706, 30294), (722, 30273), (757, 30168), (767, 30135), (801, 30072), (828, 30018), (832, 29994), (874, 29859), (880, 29847), (884, 29838),

Gene: CRB1_46 Start: 31778, Stop: 29991, Start Num: 181

Candidate Starts for CRB1_46:

(Start: 181 @31778 has 918 MA's), (273, 31574), (275, 31571), (277, 31565), (286, 31550), (291, 31535), (302, 31502), (303, 31499), (311, 31472), (323, 31445), (332, 31424), (341, 31394), (378, 31292), (438, 31199), (458, 31151), (466, 31142), (472, 31127), (499, 31061), (516, 31028), (539, 30980), (560, 30932), (562, 30926), (595, 30863), (628, 30788), (649, 30707), (676, 30623), (677, 30620), (692, 30554), (706, 30515), (722, 30494), (745, 30419), (753, 30401), (757, 30389), (767, 30356), (801, 30293), (816, 30275), (828, 30239), (832, 30215), (855, 30158), (874, 30080), (880, 30068), (884, 30059),

Gene: CactusRose_42 Start: 33957, Stop: 32131, Start Num: 181

Candidate Starts for CactusRose_42:

(Start: 181 @33957 has 918 MA's), (277, 33744), (285, 33729), (302, 33681), (311, 33651), (318, 33630), (323, 33624), (328, 33615), (369, 33498), (378, 33471), (438, 33378), (443, 33363), (458, 33330), (483, 33279), (484, 33276), (514, 33210), (530, 33180), (542, 33150), (562, 33105), (583, 33066), (649, 32886), (665, 32838), (677, 32799), (692, 32733), (706, 32694), (722, 32673), (728, 32652), (733, 32634), (757, 32568), (828, 32418), (829, 32415), (836, 32379), (846, 32355), (852, 32346), (856, 32334), (874, 32259), (884, 32238),

Gene: Caelakin_45 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Caelakin_45:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Caitlin_41 Start: 30535, Stop: 28691, Start Num: 181

Candidate Starts for Caitlin_41:

(89, 30700), (Start: 181 @30535 has 918 MA's), (214, 30484), (261, 30361), (273, 30331), (291, 30292), (302, 30259), (311, 30229), (318, 30208), (323, 30202), (328, 30193), (360, 30100), (378, 30049), (438, 29953), (448, 29926), (455, 29908), (458, 29905), (466, 29896), (489, 29842), (499, 29815), (524, 29767), (549, 29710), (562, 29683), (586, 29632), (596, 29617), (646, 29470), (649, 29449), (660, 29419), (665, 29401), (667, 29398), (674, 29383), (677, 29362), (680, 29353), (685, 29326), (689, 29314), (692, 29296), (728, 29215), (731, 29203), (750, 29149), (763, 29113), (779, 29077), (796, 29044), (813, 29023), (816, 29017), (829, 28978), (832, 28957), (837, 28939), (874, 28822), (880, 28810),

Gene: Calix_38 Start: 28615, Stop: 26750, Start Num: 211

Candidate Starts for Calix_38:

(Start: 140 @28702 has 3 MA's), (Start: 211 @28615 has 115 MA's), (Start: 215 @28606 has 5 MA's), (255, 28501), (259, 28492), (275, 28462), (276, 28459), (332, 28339), (335, 28327), (338, 28321), (374, 28216), (384, 28189), (434, 28048), (435, 28042), (437, 28039), (440, 28027), (450, 28000), (451, 27997), (458, 27982), (461, 27976), (466, 27970), (481, 27937), (561, 27808), (584, 27748), (685, 27433), (688, 27424), (689, 27421), (692, 27403), (707, 27361), (709, 27355), (718, 27331), (735, 27274), (787, 27115), (802, 27085), (804, 27076), (829, 27016), (833, 26992), (846, 26953), (857, 26920), (858, 26908), (874, 26848),

Gene: CallinAllBarbz_41 Start: 29407, Stop: 31281, Start Num: 180

Candidate Starts for CallinAllBarbz_41:

(Start: 180 @29407 has 21 MA's), (193, 29425), (290, 29638), (295, 29650), (303, 29677), (311, 29704), (318, 29725), (332, 29752), (440, 30001), (489, 30109), (494, 30124), (539, 30214), (560, 30262), (649, 30520), (660, 30550), (683, 30637), (685, 30643), (690, 30664), (765, 30877), (799, 30946), (801, 30952), (832, 31033), (839, 31057), (852, 31081), (860, 31114), (868, 31144), (874, 31168), (879, 31177), (888, 31198),

Gene: Calvinny_48 Start: 31753, Stop: 29939, Start Num: 181

Candidate Starts for Calvinny_48:

(Start: 181 @31753 has 918 MA's), (206, 31714), (214, 31702), (273, 31549), (281, 31534), (302, 31477), (323, 31420), (328, 31411), (341, 31369), (360, 31318), (378, 31267), (438, 31174), (458, 31126), (472, 31102), (489, 31063), (499, 31036), (514, 31006), (555, 30913), (562, 30901), (584, 30853), (595, 30838), (649, 30682), (667, 30631), (676, 30598), (677, 30595), (692, 30529), (706, 30490), (729, 30418), (739, 30379), (750, 30355), (757, 30337), (767, 30304), (816, 30223), (832, 30163), (837, 30145), (859, 30085), (862, 30076), (874, 30028), (880, 30016), (884, 30007),

Gene: Camperdownii_43 Start: 31243, Stop: 29417, Start Num: 181

Candidate Starts for Camperdownii_43:

(Start: 181 @31243 has 918 MA's), (195, 31222), (214, 31192), (224, 31162), (291, 31000), (298, 30982), (323, 30910), (328, 30901), (370, 30781), (378, 30757), (438, 30664), (460, 30616), (472, 30595), (489, 30556), (549, 30424), (560, 30403), (583, 30358), (586, 30346), (646, 30193), (649, 30172), (685, 30049), (692, 30019), (706, 29980), (728, 29914), (729, 29911), (733, 29896), (739, 29872), (750, 29848), (832, 29641), (874, 29506), (880, 29494), (884, 29485),

Gene: Candra_45 Start: 29663, Stop: 27822, Start Num: 181

Candidate Starts for Candra_45:

(Start: 181 @29663 has 918 MA's), (273, 29459), (302, 29384), (303, 29381), (311, 29354), (316, 29339), (323, 29327), (341, 29276), (374, 29186), (378, 29174), (438, 29081), (453, 29042), (466, 29024), (472, 29009), (499, 28943), (516, 28910), (517, 28907), (564, 28805), (595, 28745), (628, 28661), (649, 28580), (676, 28496), (677, 28493), (680, 28484), (685, 28457), (692, 28427), (722, 28367), (733, 28328), (828, 28112), (829, 28109), (832, 28088), (874, 27953), (880, 27941), (884, 27932), (885, 27929), (923, 27836),

Gene: CanesSauce_42 Start: 32324, Stop: 29937, Start Num: 26

Candidate Starts for CanesSauce_42:

(10, 32396), (11, 32381), (Start: 26 @32324 has 25 MA's), (29, 32315), (31, 32309), (43, 32228), (64, 32108), (73, 32057), (Start: 142 @31925 has 1 MA's), (164, 31898), (Start: 172 @31883 has 3 MA's), (204, 31835), (217, 31805), (238, 31760), (265, 31700), (274, 31682), (296, 31634), (312, 31580), (313, 31577), (329, 31559), (335, 31538), (351, 31487), (355, 31478), (357, 31475), (384, 31400), (404, 31355), (422, 31295), (427, 31280), (456, 31196), (496, 31151), (519, 31127), (542, 31121), (552, 31097), (590, 31019), (596, 31016), (598, 31013), (648, 30866), (659, 30797), (683, 30698), (692, 30662), (705, 30626), (707, 30620), (709, 30614), (711, 30608), (718, 30584), (729, 30551), (735, 30527), (745, 30482), (766, 30422), (829, 30269), (837, 30230), (838, 30227), (874, 30101), (889, 30056), (891, 30047),

Gene: Cappuccino_38 Start: 27602, Stop: 29584, Start Num: 181

Candidate Starts for Cappuccino_38:

(Start: 181 @27602 has 918 MA's), (261, 27776), (293, 27839), (303, 27872), (332, 27947), (420, 28175), (489, 28349), (560, 28505), (619, 28643), (643, 28730), (649, 28763), (660, 28793), (677, 28850), (692, 28916), (726, 29009), (832, 29276), (839, 29300), (874, 29411), (919, 29519),

Gene: CaptainRex_37 Start: 26990, Stop: 25125, Start Num: 209

Candidate Starts for CaptainRex_37:

(Start: 209 @26990 has 41 MA's), (214, 26984), (253, 26885), (255, 26876), (267, 26852), (275, 26837), (277, 26831), (300, 26780), (302, 26777), (338, 26696), (393, 26546), (398, 26543), (427, 26444), (435, 26417), (437, 26414), (440, 26402), (451, 26372), (461, 26351), (480, 26315), (568, 26168), (618, 26066), (642, 25988), (685, 25808), (692, 25778), (711, 25724), (718, 25706), (735, 25649), (743, 25622), (755, 25580), (767, 25541), (802, 25460), (804, 25451), (829, 25391), (833, 25367), (836, 25355), (839, 25346), (846, 25328), (857, 25295), (874, 25223),

Gene: CaramellLatte_42 Start: 32324, Stop: 29937, Start Num: 26

Candidate Starts for CaramellLatte_42:

(10, 32396), (11, 32381), (Start: 26 @32324 has 25 MA's), (29, 32315), (31, 32309), (43, 32228), (64, 32108), (73, 32057), (Start: 142 @31925 has 1 MA's), (164, 31898), (Start: 172 @31883 has 3 MA's), (204, 31835), (217, 31805), (238, 31760), (265, 31700), (274, 31682), (296, 31634), (312, 31580), (313, 31577), (329, 31559), (335, 31538), (351, 31487), (355, 31478), (357, 31475), (384, 31400), (404, 31355), (422, 31295), (427, 31280), (456, 31196), (496, 31151), (519, 31127), (542, 31121), (552, 31097), (590, 31019), (596, 31016), (598, 31013), (648, 30866), (659, 30797), (683, 30698), (692, 30662), (705, 30626), (707, 30620), (709, 30614), (711, 30608), (718, 30584), (729, 30551), (735, 30527), (745, 30482), (766, 30422), (829, 30269), (837, 30230), (838, 30227), (874, 30101), (889, 30056), (891, 30047),

Gene: Caraxes_45 Start: 30012, Stop: 28183, Start Num: 181

Candidate Starts for Caraxes_45:

(Start: 181 @30012 has 918 MA's), (273, 29808), (277, 29799), (291, 29769), (302, 29736), (303, 29733), (311, 29706), (323, 29679), (332, 29658), (378, 29526), (438, 29433), (458, 29385), (499, 29295), (524, 29247), (560, 29166), (649, 28941), (677, 28854), (685, 28818), (692, 28788), (706, 28749), (722, 28728), (728, 28707), (733, 28689), (767, 28590), (782, 28563), (801, 28527), (816, 28509), (828, 28473), (874, 28314), (880, 28302), (884, 28293), (900, 28245), (914, 28215),

Gene: CardboardBox_41 Start: 28660, Stop: 26870, Start Num: 167

Candidate Starts for CardboardBox_41:

(129, 28720), (146, 28696), (Start: 158 @28675 has 13 MA's), (167, 28660), (Start: 174 @28651 has 2 MA's), (Start: 232 @28528 has 11 MA's), (252, 28480), (312, 28342), (314, 28336), (335, 28288), (371, 28207), (373, 28201), (381, 28177), (438, 28108), (476, 28027), (489, 28000), (494, 27985), (525, 27922), (550, 27865), (562, 27841), (565, 27835), (583, 27799), (603, 27763), (634, 27691), (646, 27649), (650, 27622), (681, 27526), (686, 27502), (692, 27475), (706, 27436), (730, 27361), (754, 27292), (769, 27244), (782, 27223), (807, 27169), (815, 27154), (833, 27088), (855, 27031), (859, 27010), (860, 27007), (864, 26989), (869, 26974),

Gene: CarisSwetlik_42 Start: 29837, Stop: 27969, Start Num: 211

Candidate Starts for CarisSwetlik_42:

(98, 30002), (122, 29957), (Start: 140 @29924 has 3 MA's), (147, 29915), (Start: 211 @29837 has 115 MA's), (Start: 215 @29828 has 5 MA's), (275, 29684), (276, 29681), (329, 29570), (332, 29561), (335, 29549), (338, 29543), (374, 29438), (410, 29345), (434, 29270), (437, 29261), (440, 29249), (450, 29222), (451, 29219), (458, 29204), (461, 29198), (466, 29192), (561, 29030), (617, 28916), (685, 28655), (688, 28646), (689, 28643), (692, 28625), (707, 28583), (735, 28493), (743, 28466), (787, 28334), (804, 28295), (829, 28235), (833, 28211), (846, 28172), (857, 28139), (858, 28127),

Gene: Carlyle_44 Start: 32803, Stop: 30974, Start Num: 181

Candidate Starts for Carlyle_44:

(Start: 181 @32803 has 918 MA's), (277, 32590), (285, 32575), (311, 32497), (318, 32476), (323, 32470), (328, 32461), (360, 32368), (369, 32344), (378, 32317), (438, 32224), (443, 32209), (458, 32176), (483, 32125), (484, 32122), (514, 32056), (530, 32026), (542, 31996), (562, 31951), (583,

31912), (649, 31732), (665, 31684), (680, 31636), (689, 31597), (692, 31579), (706, 31540), (722, 31519), (728, 31498), (732, 31483), (779, 31360), (853, 31189), (858, 31165), (871, 31117), (874, 31105), (884, 31084), (887, 31078), (903, 31030), (908, 31015),

Gene: Caron_50 Start: 32142, Stop: 34007, Start Num: 181

Candidate Starts for Caron_50:

(Start: 181 @32142 has 918 MA's), (235, 32250), (433, 32715), (487, 32838), (489, 32844), (560, 32997), (588, 33060), (649, 33255), (672, 33318), (682, 33366), (683, 33372), (693, 33411), (758, 33594), (874, 33903), (905, 33981), (920, 34002),

Gene: Carostasia_37 Start: 28508, Stop: 26607, Start Num: 209

Candidate Starts for Carostasia_37:

(Start: 209 @28508 has 41 MA's), (259, 28385), (267, 28370), (275, 28355), (291, 28322), (296, 28313), (300, 28298), (312, 28262), (326, 28247), (335, 28220), (338, 28214), (354, 28163), (367, 28124), (393, 28064), (434, 27938), (437, 27929), (440, 27917), (451, 27887), (461, 27866), (480, 27830), (568, 27683), (584, 27638), (633, 27527), (675, 27332), (685, 27290), (692, 27260), (707, 27218), (718, 27188), (725, 27167), (735, 27131), (829, 26873), (833, 26849), (844, 26816), (846, 26810), (874, 26705),

Gene: Carsonalex_46 Start: 32513, Stop: 30120, Start Num: 20

Candidate Starts for Carsonalex_46:

(Start: 20 @32513 has 19 MA's), (28, 32507), (Start: 35 @32459 has 1 MA's), (43, 32417), (49, 32393), (69, 32267), (73, 32243), (97, 32198), (123, 32147), (132, 32132), (Start: 142 @32111 has 1 MA's), (176, 32063), (Start: 198 @32030 has 6 MA's), (204, 32021), (238, 31946), (240, 31934), (274, 31865), (288, 31838), (290, 31832), (296, 31817), (312, 31763), (313, 31760), (329, 31742), (335, 31721), (355, 31661), (404, 31538), (405, 31532), (427, 31463), (440, 31421), (496, 31334), (519, 31310), (542, 31304), (552, 31280), (556, 31271), (563, 31256), (570, 31244), (590, 31202), (596, 31199), (598, 31196), (618, 31160), (648, 31049), (659, 30980), (661, 30974), (672, 30938), (692, 30845), (705, 30809), (707, 30803), (709, 30797), (711, 30791), (729, 30734), (733, 30719), (735, 30710), (745, 30665), (776, 30572), (874, 30284), (889, 30239), (891, 30230), (911, 30170),

Gene: CartmannCramer_44 Start: 36675, Stop: 34849, Start Num: 181

Candidate Starts for CartmannCramer_44:

(Start: 181 @36675 has 918 MA's), (277, 36462), (302, 36399), (311, 36369), (318, 36348), (323, 36342), (328, 36333), (369, 36216), (378, 36189), (438, 36096), (443, 36081), (458, 36048), (483, 35997), (484, 35994), (514, 35928), (530, 35898), (542, 35868), (562, 35823), (583, 35784), (649, 35604), (665, 35556), (677, 35517), (692, 35451), (706, 35412), (722, 35391), (728, 35370), (733, 35352), (757, 35286), (828, 35136), (829, 35133), (836, 35097), (846, 35073), (856, 35052), (874, 34977), (884, 34956),

Gene: Casey_35 Start: 27722, Stop: 25905, Start Num: 208

Candidate Starts for Casey_35:

(Start: 208 @27722 has 4 MA's), (216, 27707), (335, 27431), (338, 27425), (406, 27290), (411, 27275), (435, 27197), (437, 27194), (440, 27182), (451, 27152), (480, 27095), (568, 26948), (642, 26768), (675, 26630), (688, 26579), (689, 26576), (692, 26558), (693, 26555), (707, 26516), (735, 26429), (743, 26402), (787, 26270), (833, 26147), (844, 26114), (846, 26108), (851, 26099), (874, 26003), (875, 25997),

Gene: Cashington_40 Start: 28858, Stop: 30732, Start Num: 171

Candidate Starts for Cashington_40:

(Start: 168 @28855 has 7 MA's), (Start: 171 @28858 has 61 MA's), (Start: 219 @28927 has 1 MA's), (227, 28948), (273, 29065), (302, 29128), (328, 29194), (341, 29236), (489, 29530), (594, 29764), (635, 29887), (649, 29947), (650, 29953), (667, 29998), (674, 30013), (675, 30028), (683, 30064),

(692, 30100), (726, 30193), (758, 30286), (793, 30364), (828, 30436), (836, 30475), (855, 30517), (858, 30535), (874, 30595), (884, 30616),

Gene: Casserole_35 Start: 32865, Stop: 31120, Start Num: 200

Candidate Starts for Casserole_35:

(184, 32892), (Start: 200 @32865 has 6 MA's), (203, 32862), (Start: 218 @32829 has 1 MA's), (221, 32823), (256, 32730), (271, 32697), (285, 32670), (337, 32535), (413, 32406), (414, 32400), (427, 32376), (432, 32361), (439, 32334), (450, 32304), (489, 32223), (492, 32214), (520, 32154), (529, 32133), (587, 32019), (599, 32001), (707, 31623), (722, 31605), (740, 31539), (748, 31524), (836, 31305), (853, 31263), (874, 31179),

Gene: Cassia_40 Start: 29351, Stop: 31216, Start Num: 181

Candidate Starts for Cassia_40:

(Start: 181 @29351 has 918 MA's), (213, 29399), (311, 29648), (358, 29768), (440, 29945), (443, 29954), (489, 30053), (494, 30068), (499, 30080), (560, 30206), (619, 30344), (649, 30464), (677, 30551), (692, 30617), (726, 30710), (828, 30953), (874, 31112), (879, 31121),

Gene: Cassita_65 Start: 38135, Stop: 36300, Start Num: 230

Candidate Starts for Cassita_65:

(225, 38150), (Start: 230 @38135 has 5 MA's), (236, 38120), (263, 38051), (293, 37991), (301, 37964), (302, 37961), (311, 37928), (315, 37916), (319, 37907), (321, 37898), (388, 37733), (389, 37727), (424, 37634), (440, 37595), (455, 37556), (472, 37523), (477, 37511), (479, 37505), (494, 37469), (497, 37463), (507, 37436), (526, 37403), (539, 37376), (601, 37229), (623, 37172), (650, 37067), (664, 37019), (677, 36980), (680, 36971), (735, 36776), (747, 36749), (764, 36725), (775, 36686), (801, 36638), (813, 36614), (836, 36530), (849, 36500), (855, 36482), (858, 36464), (859, 36461), (868, 36428), (869, 36425), (874, 36404), (888, 36374), (895, 36350), (899, 36335), (904, 36326),

Gene: CatBus_45 Start: 35549, Stop: 33723, Start Num: 181

Candidate Starts for CatBus_45:

(Start: 181 @35549 has 918 MA's), (277, 35336), (285, 35321), (311, 35243), (318, 35222), (323, 35216), (328, 35207), (369, 35090), (378, 35063), (438, 34970), (443, 34955), (483, 34871), (484, 34868), (514, 34802), (542, 34742), (562, 34697), (583, 34658), (649, 34478), (665, 34430), (677, 34391), (692, 34325), (706, 34286), (722, 34265), (728, 34244), (733, 34226), (757, 34160), (825, 34019), (828, 34010), (829, 34007), (836, 33971), (846, 33947), (852, 33938), (856, 33926), (874, 33851), (884, 33830),

Gene: Catalina_46 Start: 31484, Stop: 29691, Start Num: 181

Candidate Starts for Catalina_46:

(Start: 181 @31484 has 918 MA's), (187, 31475), (214, 31433), (259, 31313), (261, 31310), (282, 31262), (303, 31202), (312, 31172), (316, 31160), (323, 31148), (378, 30995), (438, 30902), (499, 30764), (514, 30734), (586, 30575), (595, 30563), (616, 30536), (646, 30428), (649, 30407), (689, 30272), (692, 30254), (728, 30173), (739, 30131), (767, 30056), (813, 29981), (828, 29939), (859, 29837), (874, 29780), (880, 29768), (884, 29759),

Gene: Caviar_44 Start: 31597, Stop: 29759, Start Num: 181

Candidate Starts for Caviar_44:

(Start: 181 @31597 has 918 MA's), (214, 31546), (273, 31393), (302, 31321), (311, 31291), (323, 31264), (328, 31255), (378, 31111), (438, 31015), (460, 30967), (489, 30907), (531, 30820), (549, 30775), (560, 30754), (596, 30682), (618, 30640), (628, 30598), (649, 30517), (665, 30469), (677, 30430), (685, 30394), (692, 30364), (704, 30334), (729, 30253), (739, 30214), (750, 30190), (757, 30172), (758, 30169), (816, 30043), (832, 29983), (862, 29896), (874, 29848), (880, 29836), (884, 29827),

Gene: Cece_99 Start: 83690, Stop: 81819, Start Num: 175

Candidate Starts for Cece_99:

(Start: 175 @83690 has 2 MA's), (263, 83480), (295, 83414), (301, 83393), (335, 83306), (338, 83300), (376, 83207), (381, 83192), (441, 83114), (476, 83030), (489, 83003), (497, 82982), (516, 82943), (530, 82916), (533, 82910), (583, 82805), (610, 82757), (618, 82736), (620, 82727), (649, 82616), (674, 82550), (682, 82502), (704, 82418), (708, 82403), (730, 82334), (737, 82307), (739, 82298), (754, 82265), (853, 82013), (859, 81986), (874, 81929),

Gene: Celaena_40 Start: 30338, Stop: 32209, Start Num: 171

Candidate Starts for Celaena_40:

(Start: 171 @30338 has 61 MA's), (Start: 219 @30407 has 1 MA's), (273, 30545), (328, 30674), (366, 30770), (489, 31010), (494, 31025), (539, 31118), (583, 31208), (649, 31424), (667, 31475), (674, 31490), (683, 31541), (686, 31550), (692, 31577), (726, 31670), (750, 31742), (793, 31841), (828, 31913), (832, 31937), (855, 31994), (868, 32048), (874, 32072), (884, 32093),

Gene: Celestiallunch_43 Start: 30784, Stop: 28991, Start Num: 181

Candidate Starts for Celestiallunch_43:

(Start: 181 @30784 has 918 MA's), (187, 30775), (273, 30580), (288, 30547), (291, 30538), (302, 30505), (323, 30448), (332, 30427), (378, 30295), (438, 30202), (455, 30157), (499, 30064), (514, 30034), (586, 29875), (616, 29836), (618, 29830), (649, 29707), (689, 29572), (692, 29554), (728, 29473), (767, 29356), (779, 29335), (828, 29239), (832, 29215), (859, 29137), (874, 29080), (880, 29068), (884, 29059),

Gene: Cen1621_44 Start: 29694, Stop: 31556, Start Num: 181

Candidate Starts for Cen1621_44:

(103, 29562), (113, 29580), (151, 29649), (155, 29658), (Start: 181 @29694 has 918 MA's), (235, 29802), (256, 29859), (273, 29898), (318, 30012), (458, 30330), (489, 30396), (490, 30399), (494, 30411), (499, 30423), (531, 30483), (560, 30549), (586, 30606), (612, 30657), (649, 30807), (692, 30960), (754, 31134), (757, 31143), (858, 31395), (871, 31443), (874, 31455),

Gene: Centaur_45 Start: 31699, Stop: 29912, Start Num: 181

Candidate Starts for Centaur_45:

(Start: 181 @31699 has 918 MA's), (273, 31495), (275, 31492), (277, 31486), (291, 31456), (302, 31423), (303, 31420), (311, 31393), (323, 31366), (341, 31315), (378, 31213), (438, 31120), (458, 31072), (466, 31063), (472, 31048), (499, 30982), (539, 30901), (560, 30853), (628, 30709), (649, 30628), (667, 30577), (676, 30544), (692, 30475), (706, 30436), (722, 30415), (725, 30403), (728, 30394), (731, 30382), (813, 30202), (816, 30196), (828, 30160), (832, 30136), (859, 30058), (874, 30001), (880, 29989),

Gene: CentreCat_45 Start: 31573, Stop: 29747, Start Num: 181

Candidate Starts for CentreCat_45:

(Start: 181 @31573 has 918 MA's), (195, 31552), (214, 31522), (224, 31492), (291, 31330), (298, 31312), (323, 31240), (328, 31231), (370, 31111), (378, 31087), (438, 30994), (460, 30946), (472, 30925), (489, 30886), (549, 30754), (560, 30733), (583, 30688), (586, 30676), (646, 30523), (649, 30502), (685, 30379), (692, 30349), (706, 30310), (728, 30244), (729, 30241), (733, 30226), (739, 30202), (750, 30178), (832, 29971), (874, 29836), (880, 29824), (884, 29815),

Gene: Cerulean_46 Start: 31993, Stop: 30167, Start Num: 181

Candidate Starts for Cerulean_46:

(Start: 181 @31993 has 918 MA's), (213, 31945), (273, 31789), (302, 31717), (323, 31660), (328, 31651), (370, 31531), (378, 31507), (438, 31414), (460, 31366), (472, 31345), (489, 31306), (506, 31261), (549, 31174), (553, 31165), (560, 31153), (583, 31108), (586, 31096), (646, 30943), (649, 30922), (685, 30799), (692, 30769), (706, 30730), (728, 30664), (729, 30661), (739, 30622), (750,

30598), (832, 30391), (874, 30256), (880, 30244), (884, 30235),

Gene: Chadwick_40 Start: 30056, Stop: 28191, Start Num: 181

Candidate Starts for Chadwick_40:

(Start: 152 @30089 has 2 MA's), (Start: 181 @30056 has 918 MA's), (236, 29945), (275, 29849), (302, 29780), (303, 29777), (311, 29750), (323, 29723), (328, 29714), (358, 29630), (360, 29621), (366, 29606), (378, 29570), (422, 29510), (438, 29474), (458, 29426), (471, 29405), (472, 29402), (497, 29342), (537, 29264), (555, 29216), (562, 29204), (584, 29156), (614, 29105), (649, 28970), (665, 28922), (674, 28904), (677, 28883), (680, 28874), (686, 28844), (692, 28817), (693, 28814), (728, 28736), (733, 28718), (750, 28670), (767, 28619), (796, 28565), (801, 28556), (816, 28538), (837, 28460), (874, 28343), (880, 28331), (923, 28226),

Gene: Chako_38 Start: 28706, Stop: 26754, Start Num: 140

Candidate Starts for Chako_38:

(Start: 140 @28706 has 3 MA's), (Start: 142 @28703 has 1 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (561, 27812), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (712, 27350), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080), (829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: ChamoyPickle_42 Start: 29200, Stop: 27410, Start Num: 167

Candidate Starts for ChamoyPickle_42:

(129, 29260), (146, 29236), (Start: 158 @29215 has 13 MA's), (167, 29200), (Start: 174 @29191 has 2 MA's), (Start: 232 @29068 has 11 MA's), (252, 29020), (312, 28882), (314, 28876), (335, 28828), (371, 28747), (373, 28741), (381, 28717), (438, 28648), (476, 28567), (489, 28540), (494, 28525), (525, 28462), (550, 28405), (562, 28381), (565, 28375), (583, 28339), (603, 28303), (634, 28231), (646, 28189), (650, 28162), (681, 28066), (686, 28042), (692, 28015), (706, 27976), (730, 27901), (754, 27832), (769, 27784), (782, 27763), (807, 27709), (815, 27694), (833, 27628), (855, 27571), (859, 27550), (860, 27547), (864, 27529), (869, 27514),

Gene: ChampagnePapi_47 Start: 31992, Stop: 30166, Start Num: 181

Candidate Starts for ChampagnePapi_47:

(Start: 181 @31992 has 918 MA's), (213, 31944), (273, 31788), (302, 31716), (323, 31659), (328, 31650), (370, 31530), (378, 31506), (438, 31413), (460, 31365), (472, 31344), (489, 31305), (506, 31260), (549, 31173), (553, 31164), (560, 31152), (583, 31107), (586, 31095), (646, 30942), (649, 30921), (685, 30798), (692, 30768), (706, 30729), (728, 30663), (729, 30660), (739, 30621), (750, 30597), (832, 30390), (874, 30255), (880, 30243), (884, 30234),

Gene: Chamuel_38 Start: 28695, Stop: 26743, Start Num: 140

Candidate Starts for Chamuel_38:

(Start: 140 @28695 has 3 MA's), (Start: 211 @28608 has 115 MA's), (Start: 215 @28599 has 5 MA's), (255, 28494), (259, 28485), (275, 28455), (276, 28452), (332, 28332), (335, 28320), (338, 28314), (374, 28209), (384, 28182), (434, 28041), (435, 28035), (437, 28032), (440, 28020), (450, 27993), (451, 27990), (458, 27975), (461, 27969), (466, 27963), (481, 27930), (561, 27801), (584, 27741), (685, 27426), (688, 27417), (689, 27414), (692, 27396), (707, 27354), (709, 27348), (718, 27324), (735, 27267), (787, 27108), (802, 27078), (804, 27069), (829, 27009), (833, 26985), (846, 26946), (857, 26913), (858, 26901), (874, 26841),

Gene: Chanagan_42 Start: 33624, Stop: 31837, Start Num: 181

Candidate Starts for Chanagan_42:

(Start: 181 @33624 has 918 MA's), (277, 33411), (285, 33396), (302, 33348), (311, 33318), (318, 33297), (323, 33291), (328, 33282), (369, 33165), (378, 33138), (438, 33045), (443, 33030), (483, 32946), (484, 32943), (514, 32877), (530, 32847), (542, 32817), (562, 32772), (583, 32733), (649, 32553), (665, 32505), (677, 32466), (692, 32400), (725, 32328), (728, 32319), (757, 32235), (796, 32148), (846, 32022), (853, 32010), (868, 31950), (874, 31926), (878, 31920),

Gene: Changeling_45 Start: 32303, Stop: 30516, Start Num: 181

Candidate Starts for Changeling_45:

(Start: 181 @32303 has 918 MA's), (273, 32099), (275, 32096), (277, 32090), (286, 32075), (291, 32060), (303, 32024), (311, 31997), (323, 31970), (332, 31949), (378, 31817), (438, 31724), (458, 31676), (466, 31667), (472, 31652), (499, 31586), (539, 31505), (560, 31457), (628, 31313), (649, 31232), (667, 31181), (676, 31148), (677, 31145), (685, 31109), (692, 31079), (706, 31040), (722, 31019), (745, 30944), (750, 30932), (767, 30881), (782, 30854), (801, 30818), (816, 30800), (828, 30764), (832, 30740), (855, 30683), (859, 30662), (874, 30605), (880, 30593), (884, 30584),

Gene: Chaph_45 Start: 31581, Stop: 29755, Start Num: 181

Candidate Starts for Chaph_45:

(Start: 181 @31581 has 918 MA's), (195, 31560), (214, 31530), (224, 31500), (291, 31338), (298, 31320), (323, 31248), (328, 31239), (370, 31119), (378, 31095), (438, 31002), (460, 30954), (472, 30933), (489, 30894), (549, 30762), (560, 30741), (583, 30696), (586, 30684), (646, 30531), (649, 30510), (685, 30387), (692, 30357), (706, 30318), (728, 30252), (729, 30249), (733, 30234), (739, 30210), (750, 30186), (832, 29979), (874, 29844), (880, 29832), (884, 29823),

Gene: Chargerpower_44 Start: 30403, Stop: 28610, Start Num: 181

Candidate Starts for Chargerpower_44:

(123, 30496), (Start: 181 @30403 has 918 MA's), (187, 30394), (236, 30292), (238, 30286), (273, 30199), (282, 30181), (303, 30121), (311, 30094), (323, 30067), (361, 29962), (378, 29914), (438, 29821), (455, 29776), (514, 29653), (616, 29455), (644, 29356), (646, 29347), (649, 29326), (692, 29173), (722, 29113), (725, 29101), (728, 29092), (801, 28912), (828, 28858), (859, 28756), (862, 28747), (874, 28699), (880, 28687), (884, 28678),

Gene: Charm_42 Start: 30834, Stop: 29041, Start Num: 181

Candidate Starts for Charm_42:

(Start: 181 @30834 has 918 MA's), (187, 30825), (236, 30723), (259, 30663), (261, 30660), (273, 30630), (293, 30585), (303, 30552), (311, 30525), (316, 30510), (323, 30498), (328, 30489), (341, 30447), (378, 30345), (438, 30252), (447, 30228), (455, 30207), (514, 30084), (586, 29925), (587, 29922), (616, 29886), (618, 29880), (649, 29757), (674, 29691), (689, 29622), (692, 29604), (722, 29544), (728, 29523), (739, 29481), (767, 29406), (813, 29331), (828, 29289), (859, 29187), (874, 29130), (880, 29118), (884, 29109),

Gene: Chartreuse_45 Start: 29574, Stop: 27733, Start Num: 181

Candidate Starts for Chartreuse_45:

(Start: 181 @29574 has 918 MA's), (273, 29370), (302, 29295), (303, 29292), (311, 29265), (316, 29250), (323, 29238), (341, 29187), (374, 29097), (378, 29085), (438, 28992), (453, 28953), (466, 28935), (472, 28920), (499, 28854), (516, 28821), (517, 28818), (564, 28716), (595, 28656), (628, 28572), (649, 28491), (676, 28407), (677, 28404), (680, 28395), (685, 28368), (692, 28338), (722, 28278), (733, 28239), (828, 28023), (829, 28020), (832, 27999), (874, 27864), (880, 27852), (884, 27843), (885, 27840), (923, 27747),

Gene: Che12_47 Start: 30450, Stop: 28663, Start Num: 181

Candidate Starts for Che12_47:

(Start: 181 @30450 has 918 MA's), (273, 30246), (277, 30237), (302, 30174), (303, 30171), (311, 30144), (323, 30117), (332, 30096), (340, 30069), (378, 29964), (438, 29871), (458, 29823), (506,

29715), (524, 29685), (560, 29604), (649, 29379), (676, 29295), (677, 29292), (685, 29256), (692, 29226), (706, 29187), (722, 29166), (728, 29145), (733, 29127), (767, 29028), (782, 29001), (801, 28965), (816, 28947), (828, 28911), (832, 28887), (873, 28755), (874, 28752), (880, 28740), (884, 28731),

Gene: Cheeto1_39 Start: 29061, Stop: 27196, Start Num: 207

Candidate Starts for Cheeto1_39:

(Start: 207 @29061 has 19 MA's), (Start: 219 @29037 has 1 MA's), (276, 28905), (302, 28848), (329, 28794), (335, 28773), (338, 28767), (410, 28566), (437, 28482), (440, 28470), (451, 28440), (461, 28419), (468, 28407), (480, 28383), (496, 28338), (542, 28293), (561, 28251), (582, 28206), (584, 28191), (619, 28131), (630, 28089), (680, 27906), (689, 27867), (692, 27849), (707, 27807), (735, 27720), (829, 27462), (833, 27438), (844, 27405), (874, 27294),

Gene: Chepli_40 Start: 28352, Stop: 26460, Start Num: 209

Candidate Starts for Chepli_40:

(128, 28460), (137, 28442), (Start: 209 @28352 has 41 MA's), (Start: 215 @28343 has 5 MA's), (237, 28286), (247, 28256), (267, 28217), (275, 28202), (277, 28196), (288, 28178), (300, 28145), (335, 28067), (338, 28061), (354, 28010), (367, 27971), (410, 27860), (437, 27776), (440, 27764), (451, 27734), (458, 27719), (461, 27713), (466, 27707), (468, 27701), (472, 27695), (633, 27380), (675, 27185), (692, 27113), (707, 27071), (718, 27041), (725, 27020), (735, 26984), (756, 26912), (802, 26795), (804, 26786), (829, 26726), (833, 26702), (836, 26690), (851, 26654), (874, 26558),

Gene: CherryonLim_46 Start: 35452, Stop: 33086, Start Num: 27

Candidate Starts for CherryonLim_46:

(Start: 27 @35452 has 14 MA's), (36, 35392), (43, 35365), (46, 35350), (52, 35311), (73, 35206), (97, 35161), (136, 35083), (Start: 140 @35077 has 3 MA's), (Start: 142 @35074 has 1 MA's), (164, 35047), (165, 35044), (189, 35008), (191, 35005), (196, 34996), (214, 34969), (Start: 215 @34966 has 5 MA's), (238, 34909), (255, 34870), (287, 34807), (296, 34783), (302, 34762), (312, 34729), (313, 34726), (329, 34708), (335, 34687), (355, 34627), (404, 34504), (427, 34429), (434, 34408), (440, 34387), (496, 34300), (552, 34252), (566, 34222), (570, 34216), (596, 34171), (598, 34168), (606, 34153), (617, 34132), (621, 34117), (635, 34069), (642, 34048), (656, 33958), (659, 33949), (662, 33934), (667, 33919), (672, 33907), (692, 33814), (705, 33778), (707, 33772), (709, 33766), (711, 33760), (729, 33703), (735, 33679), (766, 33574), (767, 33571), (806, 33478), (817, 33460), (838, 33379), (848, 33355), (857, 33325), (868, 33277), (870, 33268), (874, 33253), (880, 33229), (889, 33208), (909, 33142), (922, 33121), (925, 33115), (928, 33109),

Gene: ChickenKing_38 Start: 28974, Stop: 27109, Start Num: 207

Candidate Starts for ChickenKing_38:

(Start: 207 @28974 has 19 MA's), (Start: 219 @28950 has 1 MA's), (276, 28818), (302, 28761), (329, 28707), (335, 28686), (338, 28680), (410, 28479), (437, 28395), (440, 28383), (451, 28353), (461, 28332), (468, 28320), (480, 28296), (496, 28251), (561, 28164), (582, 28119), (584, 28104), (630, 28002), (680, 27819), (689, 27780), (692, 27762), (707, 27720), (712, 27705), (735, 27633), (829, 27375), (833, 27351), (844, 27318), (874, 27207),

Gene: ChickenTender_45 Start: 32093, Stop: 29700, Start Num: 20

Candidate Starts for ChickenTender_45:

(16, 32120), (Start: 20 @32093 has 19 MA's), (Start: 35 @32039 has 1 MA's), (49, 31973), (73, 31823), (97, 31778), (132, 31712), (Start: 142 @31691 has 1 MA's), (Start: 172 @31649 has 3 MA's), (204, 31601), (238, 31526), (240, 31514), (274, 31445), (290, 31412), (296, 31397), (312, 31343), (313, 31340), (329, 31322), (335, 31301), (355, 31241), (357, 31238), (404, 31118), (421, 31061), (422, 31058), (427, 31043), (454, 30965), (496, 30914), (519, 30890), (542, 30884), (552, 30860), (556, 30851), (570, 30824), (590, 30782), (596, 30779), (598, 30776), (648, 30629), (659, 30560), (661, 30554), (672, 30518), (692, 30425), (705, 30389), (707, 30383), (709, 30377), (711, 30371), (718,

30347), (729, 30314), (735, 30290), (745, 30245), (874, 29864), (889, 29819), (891, 29810), (911, 29750),

Gene: ChikPic_38 Start: 28741, Stop: 26876, Start Num: 209

Candidate Starts for ChikPic_38:

(Start: 209 @28741 has 41 MA's), (227, 28696), (247, 28642), (277, 28582), (300, 28531), (335, 28453), (338, 28447), (351, 28402), (353, 28399), (354, 28396), (367, 28357), (393, 28297), (434, 28174), (437, 28165), (440, 28153), (444, 28141), (451, 28123), (461, 28102), (468, 28090), (568, 27919), (639, 27751), (680, 27586), (688, 27550), (692, 27529), (707, 27487), (735, 27400), (745, 27355), (781, 27256), (802, 27211), (804, 27202), (829, 27142), (833, 27118), (844, 27085), (874, 26974),

Gene: ChiliPepper_40 Start: 29968, Stop: 31839, Start Num: 171

Candidate Starts for ChiliPepper_40:

(Start: 171 @29968 has 61 MA's), (263, 30151), (281, 30190), (293, 30208), (315, 30280), (328, 30304), (332, 30316), (333, 30319), (366, 30400), (468, 30592), (489, 30640), (531, 30730), (594, 30871), (635, 30994), (649, 31054), (674, 31120), (675, 31135), (683, 31171), (686, 31180), (692, 31207), (726, 31300), (758, 31393), (793, 31471), (828, 31543), (836, 31582), (855, 31624), (868, 31678), (874, 31702), (884, 31723), (892, 31747),

Gene: Chilliams_97 Start: 71240, Stop: 73045, Start Num: 190

Candidate Starts for Chilliams_97:

(159, 71195), (Start: 190 @71240 has 7 MA's), (Start: 223 @71303 has 1 MA's), (235, 71342), (238, 71351), (268, 71426), (295, 71480), (326, 71561), (335, 71588), (338, 71594), (381, 71699), (438, 71768), (447, 71792), (476, 71846), (479, 71852), (489, 71873), (494, 71888), (521, 71942), (583, 72077), (587, 72092), (624, 72173), (634, 72206), (642, 72224), (644, 72236), (646, 72245), (649, 72266), (683, 72389), (726, 72539), (730, 72551), (739, 72587), (754, 72620), (774, 72674), (788, 72701), (833, 72824), (835, 72830), (853, 72872), (855, 72878), (858, 72896), (874, 72956), (892, 73007),

Gene: ChipMunk_47 Start: 33204, Stop: 31417, Start Num: 181

Candidate Starts for ChipMunk_47:

(Start: 181 @33204 has 918 MA's), (275, 32997), (277, 32991), (286, 32976), (291, 32961), (303, 32925), (311, 32898), (323, 32871), (332, 32850), (360, 32769), (378, 32718), (438, 32625), (458, 32577), (466, 32568), (472, 32553), (499, 32487), (560, 32358), (562, 32352), (649, 32133), (667, 32082), (676, 32049), (677, 32046), (692, 31980), (706, 31941), (722, 31920), (745, 31845), (750, 31833), (767, 31782), (801, 31719), (816, 31701), (828, 31665), (832, 31641), (859, 31563), (874, 31506), (880, 31494), (884, 31485),

Gene: ChipsNGuac_41 Start: 28660, Stop: 26870, Start Num: 167

Candidate Starts for ChipsNGuac_41:

(129, 28720), (146, 28696), (Start: 158 @28675 has 13 MA's), (167, 28660), (Start: 174 @28651 has 2 MA's), (Start: 232 @28528 has 11 MA's), (252, 28480), (312, 28342), (314, 28336), (335, 28288), (371, 28207), (373, 28201), (381, 28177), (438, 28108), (476, 28027), (489, 28000), (494, 27985), (525, 27922), (550, 27865), (562, 27841), (565, 27835), (583, 27799), (603, 27763), (634, 27691), (646, 27649), (650, 27622), (681, 27526), (686, 27502), (692, 27475), (706, 27436), (730, 27361), (754, 27292), (769, 27244), (782, 27223), (807, 27169), (815, 27154), (833, 27088), (855, 27031), (859, 27010), (860, 27007), (864, 26989), (869, 26974),

Gene: Chiqui_43 Start: 31530, Stop: 29692, Start Num: 181

Candidate Starts for Chiqui_43:

(133, 31602), (Start: 181 @31530 has 918 MA's), (214, 31479), (273, 31326), (291, 31287), (302, 31254), (323, 31197), (328, 31188), (332, 31176), (370, 31068), (378, 31044), (381, 31035), (438,

30948), (460, 30900), (489, 30840), (517, 30777), (560, 30687), (618, 30573), (649, 30450), (677, 30363), (685, 30327), (692, 30297), (729, 30186), (739, 30147), (750, 30123), (757, 30105), (758, 30102), (813, 29982), (816, 29976), (832, 29916), (873, 29784), (874, 29781), (880, 29769), (884, 29760),

Gene: ChocoMunchkin_42 Start: 32324, Stop: 29937, Start Num: 26

Candidate Starts for ChocoMunchkin_42:

(10, 32396), (11, 32381), (Start: 26 @32324 has 25 MA's), (29, 32315), (31, 32309), (43, 32228), (64, 32108), (73, 32057), (Start: 142 @31925 has 1 MA's), (164, 31898), (Start: 172 @31883 has 3 MA's), (204, 31835), (217, 31805), (238, 31760), (265, 31700), (274, 31682), (296, 31634), (312, 31580), (313, 31577), (329, 31559), (335, 31538), (351, 31487), (355, 31478), (357, 31475), (384, 31400), (404, 31355), (422, 31295), (427, 31280), (456, 31196), (496, 31151), (519, 31127), (542, 31121), (552, 31097), (590, 31019), (596, 31016), (598, 31013), (648, 30866), (659, 30797), (683, 30698), (692, 30662), (705, 30626), (707, 30620), (709, 30614), (711, 30608), (718, 30584), (729, 30551), (735, 30527), (745, 30482), (766, 30422), (829, 30269), (837, 30230), (838, 30227), (874, 30101), (889, 30056), (891, 30047),

Gene: ChristmasHams_41 Start: 32080, Stop: 30254, Start Num: 181

Candidate Starts for ChristmasHams_41:

(Start: 181 @32080 has 918 MA's), (277, 31867), (285, 31852), (311, 31774), (318, 31753), (323, 31747), (328, 31738), (369, 31621), (378, 31594), (438, 31501), (443, 31486), (458, 31453), (483, 31402), (484, 31399), (514, 31333), (530, 31303), (542, 31273), (562, 31228), (583, 31189), (649, 31009), (665, 30961), (677, 30922), (692, 30856), (728, 30775), (729, 30772), (757, 30691), (822, 30556), (828, 30541), (829, 30538), (836, 30502), (846, 30478), (852, 30469), (856, 30457), (862, 30430), (874, 30382), (884, 30361),

Gene: Christoph_38 Start: 28630, Stop: 26765, Start Num: 211

Candidate Starts for Christoph_38:

(Start: 211 @28630 has 115 MA's), (Start: 215 @28621 has 5 MA's), (255, 28516), (259, 28507), (275, 28477), (276, 28474), (332, 28354), (335, 28342), (338, 28336), (374, 28231), (384, 28204), (434, 28063), (435, 28057), (437, 28054), (440, 28042), (450, 28015), (451, 28012), (458, 27997), (461, 27991), (466, 27985), (481, 27952), (561, 27823), (584, 27763), (685, 27448), (688, 27439), (689, 27436), (692, 27418), (707, 27376), (709, 27370), (712, 27361), (718, 27346), (735, 27289), (787, 27130), (802, 27100), (804, 27091), (829, 27031), (833, 27007), (846, 26968), (857, 26935), (858, 26923), (874, 26863),

Gene: Chupacabra_43 Start: 31120, Stop: 29285, Start Num: 181

Candidate Starts for Chupacabra_43:

(Start: 181 @31120 has 918 MA's), (214, 31069), (273, 30916), (285, 30892), (299, 30856), (302, 30844), (318, 30793), (323, 30787), (328, 30778), (358, 30694), (370, 30658), (374, 30646), (377, 30637), (378, 30634), (438, 30541), (460, 30493), (489, 30433), (499, 30406), (510, 30382), (548, 30304), (549, 30301), (560, 30280), (562, 30274), (596, 30208), (618, 30166), (649, 30043), (665, 29995), (685, 29920), (692, 29890), (706, 29851), (729, 29779), (739, 29740), (750, 29716), (753, 29710), (757, 29698), (805, 29590), (832, 29509), (839, 29485), (862, 29422), (874, 29374), (880, 29362), (884, 29353),

Gene: Ciao_45 Start: 34751, Stop: 32964, Start Num: 181

Candidate Starts for Ciao_45:

(Start: 181 @34751 has 918 MA's), (277, 34538), (285, 34523), (302, 34475), (311, 34445), (318, 34424), (323, 34418), (328, 34409), (369, 34292), (378, 34265), (438, 34172), (443, 34157), (458, 34124), (483, 34073), (484, 34070), (514, 34004), (530, 33974), (542, 33944), (562, 33899), (583, 33860), (649, 33680), (665, 33632), (677, 33593), (692, 33527), (725, 33455), (728, 33446), (757, 33362), (796, 33275), (846, 33149), (853, 33137), (874, 33053), (878, 33047),

Gene: Cici_44 Start: 31537, Stop: 29708, Start Num: 181

Candidate Starts for Cici_44:

(Start: 181 @31537 has 918 MA's), (214, 31486), (224, 31456), (291, 31294), (298, 31276), (302, 31261), (323, 31204), (328, 31195), (370, 31075), (378, 31051), (414, 31009), (438, 30958), (460, 30910), (472, 30889), (489, 30850), (506, 30805), (510, 30799), (549, 30718), (560, 30697), (583, 30652), (646, 30487), (649, 30466), (692, 30313), (706, 30274), (729, 30202), (733, 30187), (739, 30163), (748, 30145), (750, 30139), (753, 30133), (832, 29932), (874, 29797), (880, 29785), (884, 29776),

Gene: Cindaradix_42 Start: 31162, Stop: 29333, Start Num: 181

Candidate Starts for Cindaradix_42:

(Start: 181 @31162 has 918 MA's), (213, 31114), (273, 30958), (302, 30886), (323, 30829), (328, 30820), (370, 30700), (378, 30676), (438, 30583), (460, 30535), (472, 30514), (489, 30475), (506, 30430), (549, 30343), (553, 30334), (560, 30322), (583, 30277), (586, 30265), (649, 30091), (680, 29995), (685, 29968), (686, 29965), (692, 29938), (706, 29899), (728, 29830), (729, 29827), (733, 29812), (739, 29788), (750, 29764), (753, 29758), (832, 29557), (874, 29422), (880, 29410), (884, 29401),

Gene: Cintron_44 Start: 31550, Stop: 29724, Start Num: 181

Candidate Starts for Cintron_44:

(Start: 181 @31550 has 918 MA's), (213, 31502), (273, 31346), (302, 31274), (323, 31217), (328, 31208), (370, 31088), (378, 31064), (420, 31010), (438, 30971), (460, 30923), (472, 30902), (489, 30863), (506, 30818), (549, 30731), (553, 30722), (560, 30710), (583, 30665), (586, 30653), (646, 30500), (649, 30479), (685, 30356), (692, 30326), (706, 30287), (728, 30221), (729, 30218), (733, 30203), (739, 30179), (750, 30155), (832, 29948), (874, 29813), (880, 29801), (884, 29792),

Gene: Citius_45 Start: 31591, Stop: 29765, Start Num: 181

Candidate Starts for Citius_45:

(Start: 181 @31591 has 918 MA's), (195, 31570), (214, 31540), (224, 31510), (291, 31348), (298, 31330), (323, 31258), (328, 31249), (370, 31129), (378, 31105), (438, 31012), (460, 30964), (472, 30943), (489, 30904), (549, 30772), (560, 30751), (583, 30706), (586, 30694), (646, 30541), (649, 30520), (685, 30397), (692, 30367), (706, 30328), (728, 30262), (729, 30259), (733, 30244), (739, 30220), (750, 30196), (832, 29989), (874, 29854), (880, 29842), (884, 29833),

Gene: Clammy_46 Start: 31555, Stop: 29717, Start Num: 181

Candidate Starts for Clammy_46:

(Start: 181 @31555 has 918 MA's), (214, 31504), (238, 31438), (273, 31351), (299, 31291), (302, 31279), (323, 31222), (328, 31213), (370, 31093), (378, 31069), (438, 30973), (460, 30925), (489, 30865), (517, 30802), (549, 30733), (560, 30712), (596, 30640), (618, 30598), (628, 30556), (649, 30475), (665, 30427), (685, 30352), (692, 30322), (704, 30292), (729, 30211), (739, 30172), (750, 30148), (757, 30130), (816, 30001), (832, 29941), (874, 29806), (880, 29794), (884, 29785),

Gene: Clancy_38 Start: 28664, Stop: 26799, Start Num: 211

Candidate Starts for Clancy_38:

(Start: 140 @28751 has 3 MA's), (Start: 142 @28748 has 1 MA's), (Start: 211 @28664 has 115 MA's), (Start: 215 @28655 has 5 MA's), (255, 28550), (259, 28541), (275, 28511), (276, 28508), (332, 28388), (335, 28376), (338, 28370), (374, 28265), (384, 28238), (434, 28097), (435, 28091), (437, 28088), (440, 28076), (450, 28049), (451, 28046), (458, 28031), (461, 28025), (466, 28019), (481, 27986), (561, 27857), (584, 27797), (685, 27482), (688, 27473), (689, 27470), (692, 27452), (707, 27410), (709, 27404), (712, 27395), (718, 27380), (735, 27323), (787, 27164), (802, 27134), (804, 27125), (829, 27065), (833, 27041), (846, 27002), (857, 26969), (858, 26957), (874, 26897),

Gene: Clarenza_44 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for Clarenza_44:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: Clayda5_41 Start: 27431, Stop: 29296, Start Num: 171

Candidate Starts for Clayda5_41:

(Start: 168 @27428 has 7 MA's), (Start: 171 @27431 has 61 MA's), (173, 27434), (Start: 219 @27503 has 1 MA's), (333, 27785), (341, 27812), (366, 27866), (453, 28031), (489, 28106), (497, 28127), (635, 28481), (649, 28541), (667, 28592), (683, 28658), (692, 28694), (726, 28787), (793, 28958), (828, 29030), (855, 29111), (873, 29186), (874, 29189), (884, 29210), (910, 29279),

Gene: Cleo_38 Start: 31604, Stop: 29244, Start Num: 26

Candidate Starts for Cleo_38:

(19, 31628), (Start: 26 @31604 has 25 MA's), (31, 31589), (34, 31553), (58, 31421), (69, 31382), (73, 31358), (94, 31316), (204, 31139), (Start: 215 @31121 has 5 MA's), (238, 31064), (255, 31025), (296, 30938), (312, 30884), (329, 30863), (335, 30842), (407, 30644), (421, 30602), (427, 30584), (456, 30500), (492, 30464), (570, 30371), (596, 30326), (614, 30299), (618, 30287), (621, 30275), (653, 30134), (672, 30065), (682, 30014), (689, 29990), (692, 29972), (705, 29936), (707, 29930), (709, 29924), (711, 29918), (718, 29894), (729, 29861), (735, 29837), (745, 29792), (746, 29789), (768, 29726), (776, 29699), (817, 29618), (835, 29549), (838, 29537), (848, 29513), (867, 29438), (868, 29435), (874, 29411), (880, 29387), (889, 29366), (896, 29342), (911, 29297), (922, 29279),

Gene: CliffHanger_44 Start: 28741, Stop: 30612, Start Num: 181

Candidate Starts for CliffHanger_44:

(Start: 181 @28741 has 918 MA's), (Start: 219 @28810 has 1 MA's), (227, 28831), (256, 28909), (273, 28948), (318, 29062), (328, 29077), (333, 29092), (366, 29173), (369, 29182), (447, 29323), (455, 29344), (466, 29359), (472, 29374), (489, 29413), (497, 29434), (649, 29830), (650, 29836), (675, 29911), (692, 29983), (726, 30076), (745, 30136), (758, 30169), (793, 30247), (828, 30319), (855, 30400), (857, 30406), (858, 30418), (868, 30454), (874, 30478), (892, 30523),

Gene: Clock_37 Start: 29844, Stop: 27952, Start Num: 209

Candidate Starts for Clock_37:

(Start: 209 @29844 has 41 MA's), (227, 29799), (247, 29745), (253, 29739), (259, 29721), (276, 29688), (277, 29685), (300, 29634), (302, 29631), (336, 29553), (338, 29550), (353, 29502), (367, 29460), (410, 29358), (419, 29325), (434, 29283), (435, 29277), (437, 29274), (440, 29262), (451, 29232), (468, 29199), (470, 29196), (480, 29175), (568, 29028), (633, 28872), (692, 28605), (705, 28569), (707, 28563), (712, 28548), (733, 28485), (735, 28476), (833, 28194), (834, 28191), (846, 28155), (874, 28050),

Gene: CloudWang3_45 Start: 29424, Stop: 27583, Start Num: 181

Candidate Starts for CloudWang3_45:

(Start: 157 @29454 has 1 MA's), (Start: 181 @29424 has 918 MA's), (273, 29220), (302, 29145), (303, 29142), (311, 29115), (316, 29100), (323, 29088), (341, 29037), (374, 28947), (378, 28935), (438, 28842), (453, 28803), (466, 28785), (472, 28770), (499, 28704), (516, 28671), (517, 28668), (564, 28566), (595, 28506), (628, 28422), (649, 28341), (676, 28257), (677, 28254), (680, 28245), (685, 28218), (692, 28188), (722, 28128), (733, 28089), (828, 27873), (829, 27870), (832, 27849), (874, 27714), (880, 27702), (884, 27693), (885, 27690), (923, 27597),

Gene: CocoaPuff_45 Start: 33873, Stop: 31495, Start Num: 27

Candidate Starts for CocoaPuff_45:

(Start: 27 @33873 has 14 MA's), (36, 33813), (46, 33771), (52, 33732), (73, 33612), (80, 33591), (97, 33567), (136, 33489), (Start: 140 @33483 has 3 MA's), (Start: 142 @33480 has 1 MA's), (165, 33450), (196, 33402), (214, 33375), (Start: 215 @33372 has 5 MA's), (238, 33315), (255, 33276), (265, 33255), (287, 33213), (296, 33189), (299, 33180), (300, 33174), (302, 33168), (312, 33135), (329, 33114), (335, 33093), (404, 32910), (427, 32835), (440, 32793), (496, 32706), (542, 32682), (552, 32658), (556, 32649), (566, 32628), (596, 32577), (598, 32574), (606, 32559), (617, 32538), (649, 32412), (656, 32364), (659, 32355), (672, 32313), (692, 32220), (705, 32184), (707, 32178), (709, 32172), (711, 32166), (729, 32109), (735, 32085), (766, 31980), (767, 31977), (806, 31884), (817, 31866), (829, 31827), (838, 31785), (848, 31761), (857, 31731), (868, 31683), (874, 31659), (880, 31635), (889, 31614), (922, 31527), (928, 31515),

Gene: CocoaBerry_45 Start: 31574, Stop: 29748, Start Num: 181

Candidate Starts for CocoaBerry_45:

(Start: 181 @31574 has 918 MA's), (195, 31553), (214, 31523), (224, 31493), (291, 31331), (298, 31313), (323, 31241), (328, 31232), (370, 31112), (378, 31088), (438, 30995), (460, 30947), (472, 30926), (489, 30887), (549, 30755), (560, 30734), (583, 30689), (586, 30677), (646, 30524), (649, 30503), (685, 30380), (692, 30350), (706, 30311), (728, 30245), (729, 30242), (733, 30227), (739, 30203), (750, 30179), (832, 29972), (874, 29837), (880, 29825), (884, 29816),

Gene: CogOmlette_43 Start: 30719, Stop: 28926, Start Num: 181

Candidate Starts for CogOmlette_43:

(Start: 181 @30719 has 918 MA's), (187, 30710), (214, 30668), (244, 30581), (273, 30515), (277, 30506), (282, 30497), (289, 30479), (303, 30437), (311, 30410), (316, 30395), (323, 30383), (341, 30332), (378, 30230), (433, 30152), (438, 30137), (466, 30080), (514, 29969), (557, 29873), (586, 29810), (616, 29771), (618, 29765), (649, 29642), (680, 29546), (685, 29519), (692, 29489), (706, 29450), (728, 29408), (767, 29291), (813, 29216), (828, 29174), (859, 29072), (874, 29015), (880, 29003), (884, 28994),

Gene: ColaCorta_38 Start: 28731, Stop: 26866, Start Num: 209

Candidate Starts for ColaCorta_38:

(Start: 209 @28731 has 41 MA's), (227, 28686), (247, 28632), (277, 28572), (300, 28521), (335, 28443), (338, 28437), (351, 28392), (353, 28389), (354, 28386), (367, 28347), (393, 28287), (434, 28164), (437, 28155), (440, 28143), (444, 28131), (451, 28113), (461, 28092), (468, 28080), (568, 27909), (639, 27741), (680, 27576), (688, 27540), (692, 27519), (707, 27477), (735, 27390), (745, 27345), (781, 27246), (802, 27201), (804, 27192), (829, 27132), (833, 27108), (844, 27075), (874, 26964),

Gene: Colbster_48 Start: 31856, Stop: 30042, Start Num: 181

Candidate Starts for Colbster_48:

(Start: 181 @31856 has 918 MA's), (206, 31817), (214, 31805), (273, 31652), (281, 31637), (302, 31580), (323, 31523), (328, 31514), (341, 31472), (360, 31421), (378, 31370), (438, 31277), (458, 31229), (466, 31220), (472, 31205), (489, 31166), (499, 31139), (514, 31109), (555, 31016), (584, 30956), (595, 30941), (649, 30785), (677, 30698), (692, 30632), (706, 30593), (729, 30521), (739, 30482), (750, 30458), (757, 30440), (767, 30407), (782, 30380), (816, 30326), (832, 30266), (859, 30188), (874, 30131), (880, 30119), (884, 30110),

Gene: Colin_46 Start: 32075, Stop: 30288, Start Num: 181

Candidate Starts for Colin_46:

(Start: 181 @32075 has 918 MA's), (275, 31868), (277, 31862), (291, 31832), (303, 31796), (311, 31769), (323, 31742), (332, 31721), (378, 31589), (438, 31496), (458, 31448), (466, 31439), (472, 31424), (499, 31358), (539, 31277), (560, 31229), (649, 31004), (667, 30953), (676, 30920), (677, 30917), (692, 30851), (706, 30812), (722, 30791), (745, 30716), (750, 30704), (801, 30590), (825,

30545), (828, 30536), (832, 30512), (855, 30455), (859, 30434), (874, 30377), (880, 30365),

Gene: Coltrane_40 Start: 27441, Stop: 29309, Start Num: 168

Candidate Starts for Coltrane_40:

(Start: 168 @27441 has 7 MA's), (Start: 171 @27444 has 61 MA's), (173, 27447), (Start: 219 @27516 has 1 MA's), (341, 27825), (366, 27879), (453, 28044), (489, 28119), (497, 28140), (635, 28494), (649, 28554), (667, 28605), (683, 28671), (692, 28707), (726, 28800), (793, 28971), (828, 29043), (855, 29124), (873, 29199), (874, 29202), (884, 29223), (910, 29292),

Gene: Commander_45 Start: 31569, Stop: 29743, Start Num: 181

Candidate Starts for Commander_45:

(Start: 181 @31569 has 918 MA's), (195, 31548), (214, 31518), (224, 31488), (291, 31326), (298, 31308), (323, 31236), (328, 31227), (370, 31107), (378, 31083), (438, 30990), (460, 30942), (472, 30921), (489, 30882), (549, 30750), (560, 30729), (583, 30684), (586, 30672), (646, 30519), (649, 30498), (685, 30375), (692, 30345), (706, 30306), (728, 30240), (729, 30237), (733, 30222), (739, 30198), (750, 30174), (832, 29967), (874, 29832), (880, 29820), (884, 29811),

Gene: Community_43 Start: 31334, Stop: 33199, Start Num: 181

Candidate Starts for Community_43:

(Start: 181 @31334 has 918 MA's), (213, 31382), (293, 31571), (311, 31631), (345, 31721), (440, 31928), (484, 32027), (489, 32036), (494, 32051), (499, 32063), (539, 32141), (560, 32189), (586, 32246), (619, 32327), (649, 32447), (660, 32477), (677, 32534), (692, 32600), (726, 32693), (750, 32765), (799, 32873), (828, 32936), (874, 33095), (879, 33104), (909, 33182),

Gene: ConceptII_46 Start: 35338, Stop: 33512, Start Num: 181

Candidate Starts for ConceptII_46:

(Start: 181 @35338 has 918 MA's), (277, 35125), (302, 35062), (311, 35032), (318, 35011), (323, 35005), (328, 34996), (369, 34879), (378, 34852), (438, 34759), (443, 34744), (458, 34711), (483, 34660), (484, 34657), (514, 34591), (530, 34561), (542, 34531), (562, 34486), (583, 34447), (649, 34267), (665, 34219), (677, 34180), (692, 34114), (706, 34075), (722, 34054), (728, 34033), (733, 34015), (757, 33949), (828, 33799), (829, 33796), (836, 33760), (846, 33736), (852, 33727), (856, 33715), (874, 33640), (884, 33619),

Gene: Connomayer_45 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Connomayer_45:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Conquerage_45 Start: 31513, Stop: 29720, Start Num: 181

Candidate Starts for Conquerage_45:

(Start: 181 @31513 has 918 MA's), (187, 31504), (214, 31462), (259, 31342), (261, 31339), (282, 31291), (303, 31231), (312, 31201), (316, 31189), (323, 31177), (378, 31024), (438, 30931), (499, 30793), (514, 30763), (586, 30604), (595, 30592), (616, 30565), (646, 30457), (649, 30436), (689, 30301), (692, 30283), (728, 30202), (739, 30160), (767, 30085), (779, 30064), (813, 30010), (828, 29968), (859, 29866), (874, 29809), (880, 29797), (884, 29788),

Gene: Conspiracy_38 Start: 30346, Stop: 28502, Start Num: 181

Candidate Starts for Conspiracy_38:

(Start: 181 @30346 has 918 MA's), (214, 30295), (236, 30235), (261, 30172), (273, 30142), (275, 30139), (299, 30082), (302, 30070), (311, 30040), (323, 30013), (360, 29911), (366, 29896), (378,

29860), (422, 29800), (438, 29764), (458, 29716), (497, 29632), (499, 29626), (537, 29554), (549, 29521), (555, 29506), (562, 29494), (614, 29395), (649, 29260), (660, 29230), (665, 29212), (667, 29209), (677, 29173), (680, 29164), (683, 29143), (686, 29134), (692, 29107), (693, 29104), (722, 29047), (728, 29026), (767, 28909), (796, 28855), (801, 28846), (816, 28828), (837, 28750), (858, 28693), (868, 28657), (874, 28633), (880, 28621),

Gene: Convict_39 Start: 28934, Stop: 27069, Start Num: 211

Candidate Starts for Convict_39:

(Start: 140 @29021 has 3 MA's), (Start: 142 @29018 has 1 MA's), (Start: 211 @28934 has 115 MA's), (Start: 215 @28925 has 5 MA's), (255, 28820), (259, 28811), (275, 28781), (276, 28778), (330, 28661), (335, 28646), (338, 28640), (374, 28535), (384, 28508), (434, 28367), (437, 28358), (440, 28346), (450, 28319), (451, 28316), (458, 28301), (461, 28295), (466, 28289), (481, 28256), (584, 28067), (617, 28013), (622, 27992), (685, 27752), (688, 27743), (689, 27740), (692, 27722), (707, 27680), (709, 27674), (718, 27650), (735, 27593), (787, 27434), (802, 27404), (804, 27395), (829, 27335), (833, 27311), (846, 27272), (857, 27239), (858, 27227), (874, 27167),

Gene: Coog_38 Start: 30444, Stop: 28579, Start Num: 181

Candidate Starts for Coog_38:

(Start: 181 @30444 has 918 MA's), (214, 30393), (236, 30333), (261, 30270), (273, 30240), (275, 30237), (299, 30180), (302, 30168), (311, 30138), (323, 30111), (378, 29958), (438, 29862), (458, 29814), (497, 29730), (499, 29724), (516, 29691), (537, 29652), (549, 29619), (555, 29604), (562, 29592), (614, 29493), (649, 29358), (660, 29328), (665, 29310), (667, 29307), (677, 29271), (680, 29262), (685, 29235), (692, 29205), (706, 29166), (728, 29124), (733, 29106), (750, 29058), (767, 29007), (796, 28953), (801, 28944), (816, 28926), (832, 28866), (837, 28848), (868, 28755), (874, 28731), (880, 28719), (923, 28614),

Gene: Cookiedough_45 Start: 29639, Stop: 27798, Start Num: 181

Candidate Starts for Cookiedough_45:

(Start: 181 @29639 has 918 MA's), (273, 29435), (302, 29360), (303, 29357), (311, 29330), (316, 29315), (323, 29303), (341, 29252), (374, 29162), (378, 29150), (438, 29057), (453, 29018), (466, 29000), (472, 28985), (499, 28919), (516, 28886), (517, 28883), (564, 28781), (595, 28721), (628, 28637), (649, 28556), (676, 28472), (677, 28469), (680, 28460), (685, 28433), (692, 28403), (722, 28343), (733, 28304), (828, 28088), (829, 28085), (832, 28064), (874, 27929), (880, 27917), (884, 27908), (885, 27905), (923, 27812),

Gene: CoraRita_39 Start: 28634, Stop: 26769, Start Num: 211

Candidate Starts for CoraRita_39:

(Start: 140 @28721 has 3 MA's), (Start: 142 @28718 has 1 MA's), (Start: 211 @28634 has 115 MA's), (Start: 215 @28625 has 5 MA's), (255, 28520), (259, 28511), (275, 28481), (276, 28478), (332, 28358), (335, 28346), (338, 28340), (374, 28235), (384, 28208), (434, 28067), (435, 28061), (437, 28058), (440, 28046), (450, 28019), (451, 28016), (458, 28001), (461, 27995), (466, 27989), (481, 27956), (561, 27827), (584, 27767), (685, 27452), (688, 27443), (689, 27440), (692, 27422), (707, 27380), (709, 27374), (712, 27365), (718, 27350), (735, 27293), (787, 27134), (802, 27104), (804, 27095), (829, 27035), (833, 27011), (846, 26972), (857, 26939), (858, 26927), (874, 26867),

Gene: Corvo_45 Start: 35201, Stop: 33375, Start Num: 181

Candidate Starts for Corvo_45:

(Start: 181 @35201 has 918 MA's), (277, 34988), (285, 34973), (311, 34895), (318, 34874), (323, 34868), (328, 34859), (369, 34742), (378, 34715), (438, 34622), (443, 34607), (451, 34586), (458, 34574), (483, 34523), (484, 34520), (514, 34454), (530, 34424), (542, 34394), (562, 34349), (583, 34310), (649, 34130), (665, 34082), (677, 34043), (692, 33977), (706, 33938), (722, 33917), (728, 33896), (733, 33878), (757, 33812), (828, 33662), (829, 33659), (836, 33623), (846, 33599), (852, 33590), (856, 33578), (874, 33503), (884, 33482),

Gene: CosmicSans_36 Start: 28113, Stop: 26329, Start Num: 181

Candidate Starts for CosmicSans_36:

(Start: 181 @28113 has 918 MA's), (288, 27879), (299, 27849), (301, 27840), (302, 27837), (316, 27792), (323, 27780), (341, 27729), (378, 27627), (391, 27606), (438, 27534), (455, 27489), (458, 27486), (480, 27444), (482, 27438), (489, 27423), (499, 27396), (549, 27291), (553, 27282), (562, 27264), (564, 27261), (583, 27225), (649, 27045), (665, 26997), (692, 26892), (693, 26889), (722, 26832), (728, 26811), (741, 26763), (769, 26688), (813, 26619), (828, 26577), (832, 26553), (859, 26475), (874, 26418), (880, 26406), (884, 26397), (894, 26367), (900, 26349),

Gene: Cozz_41 Start: 32142, Stop: 29749, Start Num: 20

Candidate Starts for Cozz_41:

(Start: 20 @32142 has 19 MA's), (28, 32136), (Start: 35 @32088 has 1 MA's), (43, 32046), (49, 32022), (69, 31896), (73, 31872), (97, 31827), (123, 31776), (132, 31761), (Start: 142 @31740 has 1 MA's), (176, 31692), (Start: 198 @31659 has 6 MA's), (204, 31650), (238, 31575), (240, 31563), (274, 31494), (288, 31467), (290, 31461), (296, 31446), (312, 31392), (313, 31389), (329, 31371), (335, 31350), (355, 31290), (404, 31167), (405, 31161), (427, 31092), (440, 31050), (496, 30963), (519, 30939), (542, 30933), (552, 30909), (556, 30900), (563, 30885), (570, 30873), (590, 30831), (596, 30828), (598, 30825), (618, 30789), (648, 30678), (659, 30609), (661, 30603), (672, 30567), (683, 30510), (692, 30474), (705, 30438), (707, 30432), (709, 30426), (711, 30420), (729, 30363), (735, 30339), (745, 30294), (874, 29913), (889, 29868), (891, 29859), (911, 29799), (922, 29781),

Gene: Crewmate_46 Start: 30025, Stop: 31890, Start Num: 181

Candidate Starts for Crewmate_46:

(Start: 181 @30025 has 918 MA's), (213, 30073), (277, 30238), (290, 30256), (311, 30322), (318, 30343), (443, 30628), (489, 30727), (494, 30742), (499, 30754), (539, 30832), (560, 30880), (586, 30937), (619, 31018), (649, 31138), (677, 31225), (690, 31282), (692, 31291), (799, 31564), (874, 31786),

Gene: Crispicous1_43 Start: 33950, Stop: 32124, Start Num: 181

Candidate Starts for Crispicous1_43:

(Start: 181 @33950 has 918 MA's), (277, 33737), (285, 33722), (302, 33674), (311, 33644), (318, 33623), (323, 33617), (328, 33608), (369, 33491), (378, 33464), (438, 33371), (443, 33356), (458, 33323), (483, 33272), (484, 33269), (514, 33203), (530, 33173), (542, 33143), (562, 33098), (583, 33059), (649, 32879), (665, 32831), (677, 32792), (692, 32726), (706, 32687), (722, 32666), (728, 32645), (733, 32627), (757, 32561), (828, 32411), (829, 32408), (836, 32372), (846, 32348), (852, 32339), (856, 32327), (862, 32300), (874, 32252), (884, 32231),

Gene: CroZenni_42 Start: 29399, Stop: 31273, Start Num: 171

Candidate Starts for CroZenni_42:

(Start: 171 @29399 has 61 MA's), (Start: 219 @29468 has 1 MA's), (227, 29489), (281, 29621), (328, 29735), (333, 29750), (341, 29777), (489, 30071), (594, 30305), (635, 30428), (649, 30488), (650, 30494), (667, 30539), (674, 30554), (675, 30569), (683, 30605), (692, 30641), (726, 30734), (758, 30827), (793, 30905), (828, 30977), (836, 31016), (855, 31058), (858, 31076), (868, 31112), (874, 31136), (884, 31157),

Gene: Crucio_44 Start: 31285, Stop: 29498, Start Num: 181

Candidate Starts for Crucio_44:

(67, 31540), (Start: 181 @31285 has 918 MA's), (273, 31081), (275, 31078), (277, 31072), (286, 31057), (291, 31042), (302, 31009), (303, 31006), (311, 30979), (323, 30952), (332, 30931), (341, 30901), (378, 30799), (438, 30706), (458, 30658), (466, 30649), (472, 30634), (499, 30568), (539, 30487), (560, 30439), (562, 30433), (595, 30370), (628, 30295), (649, 30214), (667, 30163), (676, 30130), (677, 30127), (692, 30061), (706, 30022), (722, 30001), (745, 29926), (753, 29908), (767,

29863), (782, 29836), (801, 29800), (813, 29788), (816, 29782), (828, 29746), (832, 29722), (859, 29644), (874, 29587), (880, 29575), (884, 29566),

Gene: Cuco_38 Start: 30397, Stop: 28532, Start Num: 181

Candidate Starts for Cuco_38:

(Start: 181 @30397 has 918 MA's), (214, 30346), (236, 30286), (261, 30223), (273, 30193), (275, 30190), (299, 30133), (302, 30121), (311, 30091), (323, 30064), (378, 29911), (438, 29815), (458, 29767), (497, 29683), (499, 29677), (516, 29644), (537, 29605), (555, 29557), (562, 29545), (614, 29446), (649, 29311), (660, 29281), (665, 29263), (674, 29245), (677, 29224), (680, 29215), (685, 29188), (692, 29158), (706, 29119), (728, 29077), (733, 29059), (750, 29011), (767, 28960), (796, 28906), (801, 28897), (816, 28879), (832, 28819), (837, 28801), (868, 28708), (874, 28684), (880, 28672), (923, 28567),

Gene: Cueyliss_46 Start: 36237, Stop: 34411, Start Num: 181

Candidate Starts for Cueyliss_46:

(Start: 181 @36237 has 918 MA's), (277, 36024), (285, 36009), (311, 35931), (318, 35910), (323, 35904), (328, 35895), (369, 35778), (378, 35751), (438, 35658), (443, 35643), (483, 35559), (484, 35556), (514, 35490), (530, 35460), (542, 35430), (562, 35385), (583, 35346), (649, 35166), (660, 35136), (665, 35118), (667, 35115), (677, 35079), (692, 35013), (728, 34932), (729, 34929), (757, 34848), (828, 34698), (829, 34695), (836, 34659), (846, 34635), (852, 34626), (856, 34614), (859, 34596), (862, 34587), (874, 34539), (884, 34518),

Gene: Cullens_48 Start: 31852, Stop: 30038, Start Num: 181

Candidate Starts for Cullens_48:

(Start: 181 @31852 has 918 MA's), (206, 31813), (214, 31801), (273, 31648), (281, 31633), (302, 31576), (323, 31519), (328, 31510), (341, 31468), (360, 31417), (378, 31366), (438, 31273), (458, 31225), (466, 31216), (472, 31201), (489, 31162), (499, 31135), (514, 31105), (555, 31012), (584, 30952), (595, 30937), (649, 30781), (677, 30694), (692, 30628), (706, 30589), (729, 30517), (739, 30478), (750, 30454), (757, 30436), (767, 30403), (782, 30376), (816, 30322), (832, 30262), (859, 30184), (874, 30127), (880, 30115), (884, 30106),

Gene: CupcakePrincess_43 Start: 29585, Stop: 31459, Start Num: 171

Candidate Starts for CupcakePrincess_43:

(Start: 168 @29582 has 7 MA's), (Start: 171 @29585 has 61 MA's), (Start: 219 @29654 has 1 MA's), (227, 29675), (302, 29855), (328, 29921), (341, 29963), (489, 30257), (549, 30392), (594, 30491), (635, 30614), (649, 30674), (650, 30680), (667, 30725), (675, 30755), (683, 30791), (692, 30827), (726, 30920), (758, 31013), (793, 31091), (828, 31163), (836, 31202), (855, 31244), (858, 31262), (874, 31322), (884, 31343),

Gene: Cyan_41 Start: 29677, Stop: 31542, Start Num: 181

Candidate Starts for Cyan_41:

(Start: 181 @29677 has 918 MA's), (213, 29725), (311, 29974), (345, 30064), (440, 30271), (443, 30280), (484, 30370), (489, 30379), (494, 30394), (516, 30439), (539, 30484), (560, 30532), (586, 30589), (619, 30670), (643, 30757), (649, 30790), (660, 30820), (677, 30877), (692, 30943), (726, 31036), (750, 31108), (799, 31216), (828, 31279), (832, 31303), (868, 31414), (874, 31438), (879, 31447),

Gene: D29_44 Start: 31153, Stop: 29330, Start Num: 181

Candidate Starts for D29_44:

(Start: 181 @31153 has 918 MA's), (273, 30949), (285, 30925), (291, 30907), (298, 30889), (302, 30874), (303, 30871), (311, 30844), (323, 30817), (341, 30766), (378, 30664), (438, 30571), (458, 30523), (466, 30514), (471, 30502), (472, 30499), (499, 30433), (530, 30373), (583, 30259), (595, 30235), (617, 30196), (649, 30070), (667, 30019), (677, 29983), (692, 29917), (706, 29878), (729,

29809), (739, 29770), (758, 29725), (767, 29695), (801, 29632), (816, 29614), (832, 29554), (874, 29419), (880, 29407), (884, 29398),

Gene: D32_47 Start: 31153, Stop: 29330, Start Num: 181

Candidate Starts for D32_47:

(Start: 181 @31153 has 918 MA's), (273, 30949), (285, 30925), (291, 30907), (298, 30889), (302, 30874), (303, 30871), (311, 30844), (323, 30817), (341, 30766), (378, 30664), (438, 30571), (458, 30523), (466, 30514), (471, 30502), (472, 30499), (499, 30433), (530, 30373), (583, 30259), (595, 30235), (617, 30196), (649, 30070), (667, 30019), (677, 29983), (692, 29917), (706, 29878), (729, 29809), (739, 29770), (758, 29725), (767, 29695), (801, 29632), (816, 29614), (832, 29554), (874, 29419), (880, 29407), (884, 29398),

Gene: DBQu4n_47 Start: 31153, Stop: 29330, Start Num: 181

Candidate Starts for DBQu4n_47:

(Start: 181 @31153 has 918 MA's), (273, 30949), (285, 30925), (291, 30907), (298, 30889), (302, 30874), (303, 30871), (311, 30844), (323, 30817), (341, 30766), (378, 30664), (438, 30571), (458, 30523), (466, 30514), (471, 30502), (472, 30499), (499, 30433), (530, 30373), (583, 30259), (595, 30235), (617, 30196), (649, 30070), (667, 30019), (677, 29983), (692, 29917), (706, 29878), (729, 29809), (739, 29770), (758, 29725), (767, 29695), (801, 29632), (813, 29620), (816, 29614), (832, 29554), (874, 29419), (880, 29407), (884, 29398),

Gene: DD5_44 Start: 35207, Stop: 33381, Start Num: 181

Candidate Starts for DD5_44:

(Start: 181 @35207 has 918 MA's), (277, 34994), (302, 34931), (311, 34901), (323, 34874), (328, 34865), (369, 34748), (378, 34721), (438, 34628), (443, 34613), (483, 34529), (484, 34526), (514, 34460), (530, 34430), (542, 34400), (562, 34355), (583, 34316), (649, 34136), (665, 34088), (677, 34049), (692, 33983), (706, 33944), (722, 33923), (728, 33902), (733, 33884), (757, 33818), (828, 33668), (829, 33665), (836, 33629), (852, 33596), (856, 33584), (874, 33509), (884, 33488),

Gene: DaHudson_48 Start: 31845, Stop: 30031, Start Num: 181

Candidate Starts for DaHudson_48:

(104, 31971), (Start: 181 @31845 has 918 MA's), (206, 31806), (214, 31794), (273, 31641), (281, 31626), (302, 31569), (323, 31512), (328, 31503), (341, 31461), (360, 31410), (378, 31359), (438, 31266), (458, 31218), (466, 31209), (472, 31194), (489, 31155), (499, 31128), (514, 31098), (555, 31005), (562, 30993), (584, 30945), (595, 30930), (649, 30774), (677, 30687), (692, 30621), (706, 30582), (729, 30510), (739, 30471), (750, 30447), (757, 30429), (767, 30396), (782, 30369), (816, 30315), (832, 30255), (859, 30177), (874, 30120), (880, 30108), (884, 30099),

Gene: DaVinci_45 Start: 29628, Stop: 27787, Start Num: 181

Candidate Starts for DaVinci_45:

(Start: 181 @29628 has 918 MA's), (273, 29424), (302, 29349), (303, 29346), (311, 29319), (316, 29304), (323, 29292), (341, 29241), (374, 29151), (378, 29139), (438, 29046), (453, 29007), (466, 28989), (472, 28974), (499, 28908), (516, 28875), (517, 28872), (564, 28770), (595, 28710), (628, 28626), (649, 28545), (676, 28461), (677, 28458), (680, 28449), (685, 28422), (692, 28392), (722, 28332), (733, 28293), (828, 28077), (829, 28074), (832, 28053), (874, 27918), (880, 27906), (884, 27897), (885, 27894), (923, 27801),

Gene: Daishi_47 Start: 30725, Stop: 28911, Start Num: 181

Candidate Starts for Daishi_47:

(Start: 181 @30725 has 918 MA's), (206, 30686), (214, 30674), (273, 30521), (281, 30506), (302, 30449), (323, 30392), (328, 30383), (341, 30341), (360, 30290), (378, 30239), (420, 30185), (438, 30146), (458, 30098), (472, 30074), (489, 30035), (499, 30008), (514, 29978), (555, 29885), (562, 29873), (584, 29825), (595, 29810), (649, 29654), (667, 29603), (676, 29570), (677, 29567), (692,

29501), (706, 29462), (729, 29390), (739, 29351), (750, 29327), (757, 29309), (767, 29276), (816, 29195), (832, 29135), (862, 29048), (874, 29000), (880, 28988), (884, 28979), (885, 28976),

Gene: Dalmatian_45 Start: 31678, Stop: 29891, Start Num: 181

Candidate Starts for Dalmatian_45:

(Start: 181 @31678 has 918 MA's), (273, 31474), (275, 31471), (277, 31465), (286, 31450), (291, 31435), (302, 31402), (303, 31399), (311, 31372), (323, 31345), (332, 31324), (378, 31192), (438, 31099), (451, 31063), (458, 31051), (466, 31042), (472, 31027), (499, 30961), (539, 30880), (560, 30832), (562, 30826), (595, 30763), (649, 30607), (667, 30556), (676, 30523), (677, 30520), (692, 30454), (706, 30415), (722, 30394), (745, 30319), (750, 30307), (801, 30193), (816, 30175), (828, 30139), (832, 30115), (859, 30037), (874, 29980), (880, 29968), (884, 29959),

Gene: Danforth_42 Start: 30571, Stop: 28727, Start Num: 181

Candidate Starts for Danforth_42:

(89, 30736), (Start: 181 @30571 has 918 MA's), (214, 30520), (261, 30397), (273, 30367), (291, 30328), (302, 30295), (311, 30265), (318, 30244), (323, 30238), (328, 30229), (360, 30136), (370, 30109), (378, 30085), (438, 29989), (442, 29977), (448, 29962), (458, 29941), (466, 29932), (489, 29878), (499, 29851), (524, 29803), (549, 29746), (562, 29719), (586, 29668), (596, 29653), (646, 29506), (649, 29485), (660, 29455), (665, 29437), (667, 29434), (674, 29419), (677, 29398), (680, 29389), (685, 29362), (689, 29350), (692, 29332), (728, 29251), (731, 29239), (750, 29185), (763, 29149), (796, 29080), (813, 29059), (816, 29053), (829, 29014), (832, 28993), (837, 28975), (874, 28858), (880, 28846),

Gene: Darrell_46 Start: 31850, Stop: 30057, Start Num: 181

Candidate Starts for Darrell_46:

(Start: 181 @31850 has 918 MA's), (187, 31841), (214, 31799), (236, 31739), (244, 31712), (259, 31679), (261, 31676), (273, 31646), (277, 31637), (283, 31628), (303, 31568), (312, 31538), (316, 31526), (323, 31514), (341, 31463), (378, 31361), (438, 31268), (497, 31136), (514, 31100), (595, 30929), (616, 30902), (618, 30896), (649, 30773), (680, 30677), (685, 30650), (692, 30620), (706, 30581), (725, 30548), (728, 30539), (739, 30497), (767, 30422), (779, 30401), (828, 30305), (855, 30224), (874, 30146), (880, 30134), (884, 30125),

Gene: DARTHPhader_42 Start: 32266, Stop: 30422, Start Num: 181

Candidate Starts for DARTHPhader_42:

(93, 32410), (109, 32383), (Start: 181 @32266 has 918 MA's), (236, 32155), (261, 32092), (273, 32062), (277, 32053), (291, 32020), (302, 31987), (311, 31957), (323, 31930), (332, 31909), (378, 31777), (438, 31684), (466, 31627), (472, 31612), (499, 31546), (524, 31498), (553, 31429), (595, 31348), (617, 31306), (628, 31261), (634, 31243), (649, 31180), (667, 31129), (677, 31093), (692, 31027), (706, 30988), (722, 30967), (728, 30946), (801, 30766), (828, 30712), (829, 30709), (832, 30688), (855, 30631), (859, 30610), (874, 30553), (880, 30541), (900, 30484),

Gene: Datway_44 Start: 31508, Stop: 29679, Start Num: 181

Candidate Starts for Datway_44:

(Start: 181 @31508 has 918 MA's), (214, 31457), (224, 31427), (291, 31265), (298, 31247), (302, 31232), (323, 31175), (328, 31166), (370, 31046), (378, 31022), (414, 30980), (438, 30929), (460, 30881), (472, 30860), (489, 30821), (506, 30776), (510, 30770), (549, 30689), (560, 30668), (583, 30623), (646, 30458), (649, 30437), (692, 30284), (706, 30245), (729, 30173), (733, 30158), (739, 30134), (748, 30116), (750, 30110), (753, 30104), (832, 29903), (874, 29768), (880, 29756), (884, 29747),

Gene: Dave_39 Start: 28922, Stop: 27057, Start Num: 211

Candidate Starts for Dave_39:

(Start: 140 @29009 has 3 MA's), (Start: 142 @29006 has 1 MA's), (Start: 211 @28922 has 115 MA's), (Start: 215 @28913 has 5 MA's), (255, 28808), (259, 28799), (275, 28769), (276, 28766), (332, 28646), (335, 28634), (338, 28628), (374, 28523), (384, 28496), (434, 28355), (435, 28349), (437, 28346), (440, 28334), (450, 28307), (451, 28304), (458, 28289), (461, 28283), (466, 28277), (481, 28244), (561, 28115), (584, 28055), (648, 27890), (685, 27740), (688, 27731), (689, 27728), (692, 27710), (707, 27668), (709, 27662), (712, 27653), (718, 27638), (735, 27581), (787, 27422), (802, 27392), (804, 27383), (829, 27323), (833, 27299), (846, 27260), (857, 27227), (858, 27215), (874, 27155),

Gene: Deano_44 Start: 31578, Stop: 29752, Start Num: 181

Candidate Starts for Deano_44:

(Start: 181 @31578 has 918 MA's), (195, 31557), (214, 31527), (224, 31497), (291, 31335), (298, 31317), (323, 31245), (328, 31236), (370, 31116), (378, 31092), (438, 30999), (460, 30951), (472, 30930), (489, 30891), (549, 30759), (560, 30738), (583, 30693), (586, 30681), (646, 30528), (649, 30507), (685, 30384), (692, 30354), (706, 30315), (728, 30249), (729, 30246), (733, 30231), (739, 30207), (750, 30183), (832, 29976), (874, 29841), (880, 29829), (884, 29820),

Gene: DeerParkTS_42 Start: 30812, Stop: 29025, Start Num: 181

Candidate Starts for DeerParkTS_42:

(Start: 181 @30812 has 918 MA's), (275, 30605), (277, 30599), (286, 30584), (291, 30569), (302, 30536), (311, 30506), (323, 30479), (332, 30458), (341, 30428), (378, 30326), (438, 30233), (458, 30185), (466, 30176), (472, 30161), (499, 30095), (516, 30062), (539, 30014), (560, 29966), (562, 29960), (628, 29822), (649, 29741), (667, 29690), (676, 29657), (677, 29654), (692, 29588), (706, 29549), (722, 29528), (745, 29453), (750, 29441), (782, 29363), (801, 29327), (816, 29309), (828, 29273), (832, 29249), (855, 29192), (859, 29171), (874, 29114), (880, 29102), (884, 29093),

Gene: DekHockey33_47 Start: 30182, Stop: 28392, Start Num: 181

Candidate Starts for DekHockey33_47:

(Start: 181 @30182 has 918 MA's), (261, 30008), (302, 29903), (303, 29900), (311, 29873), (323, 29846), (341, 29795), (378, 29693), (438, 29600), (455, 29555), (458, 29552), (466, 29543), (539, 29381), (549, 29354), (560, 29333), (562, 29327), (619, 29228), (628, 29189), (644, 29138), (649, 29108), (667, 29057), (676, 29024), (683, 28991), (685, 28985), (692, 28955), (722, 28895), (728, 28874), (739, 28832), (751, 28805), (757, 28790), (796, 28703), (828, 28640), (829, 28637), (874, 28481), (880, 28469), (885, 28457),

Gene: Deloris_43 Start: 30897, Stop: 29110, Start Num: 181

Candidate Starts for Deloris_43:

(Start: 181 @30897 has 918 MA's), (273, 30693), (275, 30690), (277, 30684), (286, 30669), (291, 30654), (302, 30621), (303, 30618), (311, 30591), (323, 30564), (332, 30543), (341, 30513), (378, 30411), (438, 30318), (441, 30309), (458, 30270), (466, 30261), (472, 30246), (499, 30180), (539, 30099), (560, 30051), (562, 30045), (628, 29907), (649, 29826), (667, 29775), (676, 29742), (677, 29739), (692, 29673), (706, 29634), (722, 29613), (745, 29538), (753, 29520), (767, 29475), (782, 29448), (801, 29412), (816, 29394), (828, 29358), (832, 29334), (855, 29277), (874, 29199), (880, 29187),

Gene: Delphidian_39 Start: 28933, Stop: 27068, Start Num: 211

Candidate Starts for Delphidian_39:

(Start: 140 @29020 has 3 MA's), (Start: 211 @28933 has 115 MA's), (Start: 215 @28924 has 5 MA's), (255, 28819), (259, 28810), (275, 28780), (276, 28777), (332, 28657), (335, 28645), (338, 28639), (374, 28534), (384, 28507), (434, 28366), (435, 28360), (437, 28357), (440, 28345), (450, 28318), (451, 28315), (458, 28300), (461, 28294), (466, 28288), (481, 28255), (561, 28126), (584, 28066), (685, 27751), (688, 27742), (689, 27739), (692, 27721), (707, 27679), (709, 27673), (712, 27664), (718, 27649), (735, 27592), (787, 27433), (802, 27403), (804, 27394), (829, 27334), (833, 27310), (846, 27271), (857, 27238), (858, 27226), (874, 27166),

Gene: Den3_39 Start: 28939, Stop: 27074, Start Num: 211

Candidate Starts for Den3_39:

(Start: 140 @29026 has 3 MA's), (Start: 142 @29023 has 1 MA's), (197, 28954), (Start: 211 @28939 has 115 MA's), (Start: 215 @28930 has 5 MA's), (255, 28825), (259, 28816), (275, 28786), (276, 28783), (332, 28663), (335, 28651), (338, 28645), (374, 28540), (384, 28513), (434, 28372), (437, 28363), (440, 28351), (450, 28324), (451, 28321), (458, 28306), (461, 28300), (466, 28294), (481, 28261), (584, 28072), (685, 27757), (688, 27748), (689, 27745), (692, 27727), (707, 27685), (709, 27679), (718, 27655), (735, 27598), (787, 27439), (802, 27409), (804, 27400), (829, 27340), (833, 27316), (846, 27277), (857, 27244), (858, 27232), (874, 27172),

Gene: Dewdrop_95 Start: 58518, Stop: 60557, Start Num: 124

Candidate Starts for Dewdrop_95:

(Start: 124 @58518 has 4 MA's), (196, 58629), (Start: 198 @58632 has 6 MA's), (Start: 215 @58659 has 5 MA's), (234, 58716), (245, 58752), (262, 58791), (288, 58845), (293, 58857), (296, 58866), (305, 58902), (332, 58962), (336, 58977), (340, 58989), (355, 59034), (366, 59064), (410, 59178), (440, 59271), (441, 59274), (444, 59283), (451, 59301), (502, 59409), (550, 59463), (555, 59475), (581, 59541), (616, 59610), (662, 59763), (685, 59847), (692, 59877), (734, 60009), (735, 60012), (744, 60048), (755, 60081), (767, 60120), (829, 60270), (833, 60294), (835, 60300), (839, 60315), (850, 60345), (869, 60423), (874, 60444), (882, 60474), (896, 60516), (907, 60552),

Gene: Dexes_45 Start: 35367, Stop: 33580, Start Num: 181

Candidate Starts for Dexes_45:

(Start: 181 @35367 has 918 MA's), (277, 35154), (285, 35139), (302, 35091), (311, 35061), (318, 35040), (323, 35034), (328, 35025), (369, 34908), (378, 34881), (438, 34788), (443, 34773), (458, 34740), (483, 34689), (484, 34686), (514, 34620), (530, 34590), (542, 34560), (562, 34515), (583, 34476), (649, 34296), (665, 34248), (667, 34245), (677, 34209), (692, 34143), (725, 34071), (728, 34062), (757, 33978), (796, 33891), (846, 33765), (853, 33753), (874, 33669), (878, 33663),

Gene: Dhanush_45 Start: 31573, Stop: 29747, Start Num: 181

Candidate Starts for Dhanush_45:

(Start: 181 @31573 has 918 MA's), (195, 31552), (214, 31522), (224, 31492), (291, 31330), (298, 31312), (323, 31240), (328, 31231), (370, 31111), (378, 31087), (438, 30994), (460, 30946), (472, 30925), (489, 30886), (549, 30754), (560, 30733), (583, 30688), (586, 30676), (646, 30523), (649, 30502), (685, 30379), (692, 30349), (706, 30310), (728, 30244), (729, 30241), (733, 30226), (739, 30202), (750, 30178), (832, 29971), (874, 29836), (880, 29824), (884, 29815),

Gene: DickRichards_41 Start: 29838, Stop: 31712, Start Num: 171

Candidate Starts for DickRichards_41:

(Start: 171 @29838 has 61 MA's), (Start: 219 @29907 has 1 MA's), (227, 29928), (328, 30174), (333, 30189), (341, 30216), (489, 30510), (549, 30645), (594, 30744), (635, 30867), (649, 30927), (650, 30933), (667, 30978), (674, 30993), (675, 31008), (683, 31044), (692, 31080), (726, 31173), (758, 31266), (793, 31344), (828, 31416), (836, 31455), (855, 31497), (858, 31515), (868, 31551), (874, 31575), (884, 31596),

Gene: Didgeridoo_45 Start: 30205, Stop: 32079, Start Num: 171

Candidate Starts for Didgeridoo_45:

(Start: 171 @30205 has 61 MA's), (Start: 219 @30274 has 1 MA's), (227, 30295), (328, 30541), (333, 30556), (366, 30637), (489, 30877), (594, 31111), (634, 31231), (635, 31234), (649, 31294), (674, 31360), (675, 31375), (683, 31411), (692, 31447), (726, 31540), (793, 31711), (795, 31714), (828, 31783), (836, 31822), (855, 31864), (858, 31882), (868, 31918), (874, 31942), (884, 31963),

Gene: Dieselweasel_49 Start: 31855, Stop: 30041, Start Num: 181

Candidate Starts for Dieselweasel_49:

(Start: 181 @31855 has 918 MA's), (206, 31816), (214, 31804), (273, 31651), (281, 31636), (302, 31579), (323, 31522), (328, 31513), (341, 31471), (360, 31420), (378, 31369), (438, 31276), (458, 31228), (466, 31219), (472, 31204), (489, 31165), (499, 31138), (514, 31108), (555, 31015), (584, 30955), (595, 30940), (649, 30784), (677, 30697), (692, 30631), (706, 30592), (729, 30520), (739, 30481), (750, 30457), (757, 30439), (767, 30406), (782, 30379), (816, 30325), (832, 30265), (859, 30187), (874, 30130), (880, 30118), (884, 30109),

Gene: Dignity_46 Start: 31741, Stop: 29954, Start Num: 181

Candidate Starts for Dignity_46:

(Start: 181 @31741 has 918 MA's), (275, 31534), (277, 31528), (286, 31513), (291, 31498), (303, 31462), (311, 31435), (323, 31408), (332, 31387), (378, 31255), (438, 31162), (458, 31114), (466, 31105), (472, 31090), (499, 31024), (539, 30943), (560, 30895), (562, 30889), (649, 30670), (667, 30619), (676, 30586), (677, 30583), (692, 30517), (706, 30478), (722, 30457), (745, 30382), (750, 30370), (767, 30319), (801, 30256), (816, 30238), (828, 30202), (832, 30178), (859, 30100), (874, 30043), (880, 30031), (884, 30022),

Gene: Dinger_36 Start: 28097, Stop: 26313, Start Num: 181

Candidate Starts for Dinger_36:

(Start: 181 @28097 has 918 MA's), (259, 27926), (288, 27863), (301, 27824), (302, 27821), (316, 27776), (323, 27764), (328, 27755), (378, 27611), (438, 27518), (489, 27407), (499, 27380), (549, 27275), (562, 27248), (583, 27209), (649, 27029), (665, 26981), (692, 26876), (693, 26873), (722, 26816), (728, 26795), (741, 26747), (769, 26672), (813, 26603), (828, 26561), (829, 26558), (832, 26537), (836, 26522), (859, 26459), (874, 26402), (880, 26390), (894, 26351), (900, 26333),

Gene: DirtyBubble_42 Start: 30299, Stop: 32173, Start Num: 171

Candidate Starts for DirtyBubble_42:

(Start: 171 @30299 has 61 MA's), (Start: 219 @30368 has 1 MA's), (227, 30389), (328, 30635), (333, 30650), (341, 30677), (450, 30890), (458, 30905), (489, 30971), (594, 31205), (634, 31325), (635, 31328), (649, 31388), (650, 31394), (667, 31439), (675, 31469), (683, 31505), (692, 31541), (726, 31634), (758, 31727), (793, 31805), (795, 31808), (828, 31877), (832, 31901), (836, 31916), (855, 31958), (858, 31976), (874, 32036), (884, 32057),

Gene: DirtyDunning_44 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for DirtyDunning_44:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: Discoknowium_37 Start: 30143, Stop: 28284, Start Num: 181

Candidate Starts for Discoknowium_37:

(Start: 181 @30143 has 918 MA's), (214, 30092), (236, 30032), (261, 29969), (273, 29939), (275, 29936), (299, 29879), (302, 29867), (311, 29837), (323, 29810), (378, 29657), (438, 29561), (458, 29513), (471, 29492), (497, 29429), (499, 29423), (537, 29351), (549, 29318), (555, 29303), (562, 29291), (614, 29192), (649, 29057), (660, 29027), (665, 29009), (674, 28991), (677, 28970), (680, 28961), (692, 28904), (706, 28865), (728, 28823), (733, 28805), (750, 28757), (767, 28706), (796, 28652), (801, 28643), (816, 28625), (832, 28565), (837, 28547), (868, 28454), (874, 28430), (880, 28418), (930, 28301), (931, 28298),

Gene: Dismas_40 Start: 29921, Stop: 31792, Start Num: 171

Candidate Starts for Dismas_40:

(Start: 171 @29921 has 61 MA's), (263, 30104), (281, 30143), (293, 30161), (315, 30233), (328, 30257), (332, 30269), (333, 30272), (366, 30353), (468, 30545), (489, 30593), (531, 30683), (594, 30824), (635, 30947), (649, 31007), (674, 31073), (675, 31088), (683, 31124), (686, 31133), (692, 31160), (726, 31253), (758, 31346), (793, 31424), (828, 31496), (836, 31535), (855, 31577), (868, 31631), (874, 31655), (884, 31676), (892, 31700),

Gene: Dixon_43 Start: 30751, Stop: 28907, Start Num: 181

Candidate Starts for Dixon_43:

(Start: 181 @30751 has 918 MA's), (214, 30700), (273, 30547), (291, 30508), (302, 30475), (311, 30445), (318, 30424), (323, 30418), (328, 30409), (360, 30316), (378, 30265), (438, 30169), (448, 30142), (455, 30124), (458, 30121), (466, 30112), (489, 30058), (499, 30031), (524, 29983), (549, 29926), (562, 29899), (586, 29848), (596, 29833), (646, 29686), (649, 29665), (660, 29635), (665, 29617), (667, 29614), (674, 29599), (677, 29578), (680, 29569), (685, 29542), (689, 29530), (692, 29512), (728, 29431), (731, 29419), (750, 29365), (763, 29329), (796, 29260), (813, 29239), (816, 29233), (829, 29194), (832, 29173), (837, 29155), (874, 29038), (880, 29026),

Gene: Dodo_117 Start: 82152, Stop: 80272, Start Num: 175

Candidate Starts for Dodo_117:

(135, 82215), (138, 82209), (Start: 168 @82161 has 7 MA's), (Start: 175 @82152 has 2 MA's), (Start: 186 @82140 has 1 MA's), (263, 81942), (275, 81915), (295, 81876), (314, 81813), (326, 81795), (335, 81768), (338, 81762), (381, 81654), (441, 81576), (449, 81555), (463, 81522), (476, 81492), (489, 81465), (516, 81405), (565, 81300), (583, 81267), (618, 81198), (620, 81189), (649, 81078), (682, 80964), (704, 80880), (708, 80865), (730, 80790), (739, 80754), (741, 80748), (748, 80736), (754, 80721), (798, 80619), (803, 80610), (832, 80520), (846, 80481), (853, 80469), (859, 80442), (874, 80385), (884, 80361),

Gene: Donkey_38 Start: 27592, Stop: 29574, Start Num: 181

Candidate Starts for Donkey_38:

(Start: 181 @27592 has 918 MA's), (261, 27766), (293, 27829), (303, 27862), (332, 27937), (420, 28165), (489, 28339), (560, 28495), (619, 28633), (643, 28720), (649, 28753), (660, 28783), (677, 28840), (692, 28906), (726, 28999), (832, 29266), (839, 29290), (874, 29401), (919, 29509),

Gene: DontArgue_43 Start: 30359, Stop: 28536, Start Num: 181

Candidate Starts for DontArgue_43:

(Start: 181 @30359 has 918 MA's), (214, 30308), (299, 30095), (323, 30026), (328, 30017), (353, 29945), (360, 29924), (370, 29897), (378, 29873), (438, 29780), (453, 29741), (489, 29672), (499, 29645), (554, 29528), (583, 29474), (618, 29417), (649, 29294), (674, 29228), (685, 29171), (692, 29141), (706, 29102), (729, 29030), (733, 29015), (739, 28991), (751, 28964), (757, 28949), (767, 28916), (832, 28760), (839, 28736), (874, 28625), (880, 28613), (884, 28604),

Gene: Doobus_41 Start: 29222, Stop: 31096, Start Num: 171

Candidate Starts for Doobus_41:

(Start: 168 @29219 has 7 MA's), (Start: 171 @29222 has 61 MA's), (Start: 219 @29291 has 1 MA's), (227, 29312), (328, 29558), (341, 29600), (450, 29813), (489, 29894), (594, 30128), (635, 30251), (649, 30311), (650, 30317), (667, 30362), (674, 30377), (675, 30392), (683, 30428), (692, 30464), (726, 30557), (758, 30650), (793, 30728), (828, 30800), (836, 30839), (855, 30881), (858, 30899), (868, 30935), (874, 30959), (884, 30980),

Gene: Doom_45 Start: 35111, Stop: 33285, Start Num: 181

Candidate Starts for Doom_45:

(Start: 181 @35111 has 918 MA's), (277, 34898), (311, 34805), (318, 34784), (323, 34778), (328, 34769), (369, 34652), (378, 34625), (438, 34532), (443, 34517), (483, 34433), (484, 34430), (514, 34364), (530, 34334), (542, 34304), (562, 34259), (583, 34220), (649, 34040), (660, 34010), (665,

33992), (667, 33989), (677, 33953), (692, 33887), (728, 33806), (729, 33803), (757, 33722), (828, 33572), (829, 33569), (836, 33533), (846, 33509), (852, 33500), (856, 33488), (862, 33461), (874, 33413), (884, 33392),

Gene: Dorothea_45 Start: 29646, Stop: 27805, Start Num: 181

Candidate Starts for Dorothea_45:

(Start: 181 @29646 has 918 MA's), (273, 29442), (302, 29367), (303, 29364), (311, 29337), (316, 29322), (323, 29310), (341, 29259), (374, 29169), (378, 29157), (438, 29064), (453, 29025), (466, 29007), (472, 28992), (499, 28926), (516, 28893), (517, 28890), (564, 28788), (595, 28728), (628, 28644), (649, 28563), (676, 28479), (677, 28476), (680, 28467), (685, 28440), (692, 28410), (722, 28350), (733, 28311), (828, 28095), (829, 28092), (832, 28071), (874, 27936), (880, 27924), (884, 27915), (885, 27912), (923, 27819),

Gene: Dothraki_39 Start: 28930, Stop: 27065, Start Num: 211

Candidate Starts for Dothraki_39:

(Start: 140 @29017 has 3 MA's), (Start: 142 @29014 has 1 MA's), (Start: 211 @28930 has 115 MA's), (Start: 215 @28921 has 5 MA's), (255, 28816), (259, 28807), (275, 28777), (276, 28774), (332, 28654), (335, 28642), (338, 28636), (374, 28531), (384, 28504), (434, 28363), (435, 28357), (437, 28354), (440, 28342), (450, 28315), (451, 28312), (458, 28297), (461, 28291), (466, 28285), (481, 28252), (584, 28063), (685, 27748), (688, 27739), (689, 27736), (692, 27718), (707, 27676), (709, 27670), (712, 27661), (718, 27646), (735, 27589), (787, 27430), (802, 27400), (804, 27391), (829, 27331), (833, 27307), (846, 27268), (857, 27235), (858, 27223), (874, 27163),

Gene: DrFeelGood_43 Start: 34795, Stop: 32969, Start Num: 181

Candidate Starts for DrFeelGood_43:

(Start: 181 @34795 has 918 MA's), (277, 34582), (285, 34567), (311, 34489), (318, 34468), (323, 34462), (328, 34453), (369, 34336), (378, 34309), (381, 34300), (438, 34216), (443, 34201), (458, 34168), (483, 34117), (484, 34114), (514, 34048), (530, 34018), (542, 33988), (562, 33943), (583, 33904), (649, 33724), (660, 33694), (665, 33676), (667, 33673), (677, 33637), (692, 33571), (728, 33490), (729, 33487), (757, 33406), (828, 33256), (829, 33253), (836, 33217), (846, 33193), (852, 33184), (856, 33172), (862, 33145), (874, 33097), (884, 33076),

Gene: DrManhattan_40 Start: 27782, Stop: 29692, Start Num: 181

Candidate Starts for DrManhattan_40:

(93, 27644), (Start: 181 @27782 has 918 MA's), (213, 27830), (311, 28079), (345, 28169), (440, 28421), (443, 28430), (489, 28529), (494, 28544), (528, 28613), (560, 28682), (619, 28820), (649, 28940), (660, 28970), (672, 29003), (677, 29027), (692, 29093), (738, 29228), (750, 29258), (828, 29429), (837, 29471), (853, 29504), (874, 29588), (879, 29597), (884, 29609),

Gene: DrSierra_39 Start: 27819, Stop: 29663, Start Num: 181

Candidate Starts for DrSierra_39:

(Start: 181 @27819 has 918 MA's), (273, 28023), (290, 28050), (311, 28116), (345, 28206), (440, 28392), (443, 28401), (455, 28431), (489, 28500), (494, 28515), (560, 28653), (619, 28791), (649, 28911), (660, 28941), (677, 28998), (692, 29064), (750, 29229), (828, 29400), (874, 29559), (879, 29568), (909, 29646),

Gene: Drake55_46 Start: 31661, Stop: 29874, Start Num: 181

Candidate Starts for Drake55_46:

(Start: 181 @31661 has 918 MA's), (273, 31457), (275, 31454), (277, 31448), (291, 31418), (302, 31385), (303, 31382), (311, 31355), (323, 31328), (341, 31277), (378, 31175), (438, 31082), (458, 31034), (466, 31025), (472, 31010), (499, 30944), (539, 30863), (560, 30815), (628, 30671), (649, 30590), (667, 30539), (676, 30506), (692, 30437), (706, 30398), (722, 30377), (728, 30356), (731, 30344), (813, 30164), (816, 30158), (828, 30122), (832, 30098), (859, 30020), (874, 29963), (880,

29951),

Gene: Drake94_42 Start: 30378, Stop: 28546, Start Num: 181

Candidate Starts for Drake94_42:

(Start: 181 @30378 has 918 MA's), (214, 30327), (238, 30261), (273, 30174), (277, 30165), (299, 30114), (302, 30102), (323, 30045), (353, 29964), (358, 29952), (360, 29943), (370, 29916), (378, 29892), (438, 29799), (453, 29760), (489, 29691), (499, 29664), (562, 29532), (649, 29304), (674, 29238), (685, 29181), (692, 29151), (706, 29112), (729, 29040), (733, 29025), (739, 29001), (757, 28959), (767, 28926), (832, 28770), (839, 28746), (862, 28683), (874, 28635), (880, 28623), (884, 28614),

Gene: Dre3_38 Start: 31347, Stop: 28987, Start Num: 26

Candidate Starts for Dre3_38:

(19, 31371), (Start: 26 @31347 has 25 MA's), (31, 31332), (34, 31296), (69, 31125), (73, 31101), (Start: 215 @30864 has 5 MA's), (238, 30807), (255, 30768), (265, 30747), (296, 30681), (312, 30627), (329, 30606), (335, 30585), (407, 30387), (421, 30345), (427, 30327), (433, 30309), (448, 30264), (455, 30246), (456, 30243), (492, 30207), (570, 30114), (596, 30069), (614, 30042), (618, 30030), (621, 30018), (653, 29877), (672, 29808), (682, 29757), (689, 29733), (692, 29715), (694, 29706), (705, 29679), (707, 29673), (709, 29667), (711, 29661), (729, 29604), (735, 29580), (745, 29535), (746, 29532), (768, 29469), (817, 29361), (835, 29292), (838, 29280), (848, 29256), (867, 29181), (868, 29178), (874, 29154), (880, 29130), (889, 29109), (896, 29085), (911, 29040), (922, 29022),

Gene: DreamCatcher_47 Start: 35708, Stop: 33882, Start Num: 181

Candidate Starts for DreamCatcher_47:

(Start: 181 @35708 has 918 MA's), (277, 35495), (285, 35480), (302, 35432), (311, 35402), (318, 35381), (323, 35375), (328, 35366), (341, 35324), (369, 35249), (378, 35222), (438, 35129), (443, 35114), (458, 35081), (483, 35030), (484, 35027), (514, 34961), (530, 34931), (542, 34901), (562, 34856), (583, 34817), (649, 34637), (660, 34607), (665, 34589), (677, 34550), (692, 34484), (706, 34445), (722, 34424), (728, 34403), (733, 34385), (757, 34319), (828, 34169), (829, 34166), (836, 34130), (846, 34106), (852, 34097), (856, 34085), (874, 34010), (884, 33989),

Gene: DreamTeam1_42 Start: 30708, Stop: 28915, Start Num: 181

Candidate Starts for DreamTeam1_42:

(Start: 181 @30708 has 918 MA's), (187, 30699), (259, 30537), (261, 30534), (273, 30504), (293, 30459), (303, 30426), (311, 30399), (316, 30384), (323, 30372), (328, 30363), (341, 30321), (370, 30243), (378, 30219), (438, 30126), (447, 30102), (455, 30081), (514, 29958), (586, 29799), (587, 29796), (616, 29760), (618, 29754), (649, 29631), (674, 29565), (689, 29496), (692, 29478), (722, 29418), (728, 29397), (767, 29280), (813, 29205), (828, 29163), (859, 29061), (874, 29004), (880, 28992), (884, 28983),

Gene: Dreamboat_46 Start: 34398, Stop: 32569, Start Num: 181

Candidate Starts for Dreamboat_46:

(Start: 181 @34398 has 918 MA's), (277, 34185), (285, 34170), (302, 34122), (311, 34092), (318, 34071), (323, 34065), (328, 34056), (369, 33939), (378, 33912), (438, 33819), (443, 33804), (451, 33783), (458, 33771), (483, 33720), (484, 33717), (514, 33651), (530, 33621), (542, 33591), (562, 33546), (583, 33507), (649, 33327), (665, 33279), (680, 33231), (689, 33192), (692, 33174), (706, 33135), (722, 33114), (728, 33093), (732, 33078), (779, 32955), (853, 32784), (858, 32760), (871, 32712), (874, 32700), (884, 32679), (887, 32673), (903, 32625), (908, 32610),

Gene: DroogsArmy_41 Start: 33073, Stop: 31238, Start Num: 181

Candidate Starts for DroogsArmy_41:

(Start: 181 @33073 has 918 MA's), (236, 32962), (277, 32860), (301, 32800), (318, 32746), (323, 32740), (332, 32719), (360, 32638), (378, 32587), (433, 32506), (438, 32491), (448, 32464), (455,

32446), (460, 32443), (472, 32422), (489, 32383), (517, 32320), (548, 32254), (549, 32251), (560, 32230), (608, 32140), (618, 32119), (628, 32077), (649, 31996), (665, 31948), (680, 31900), (685, 31873), (692, 31843), (706, 31804), (728, 31735), (729, 31732), (733, 31717), (739, 31693), (757, 31651), (816, 31522), (825, 31495), (832, 31462), (837, 31444), (853, 31411), (874, 31327), (880, 31315), (884, 31306),

Gene: DropBear_45 Start: 31442, Stop: 29604, Start Num: 181

Candidate Starts for DropBear_45:

(133, 31514), (Start: 181 @31442 has 918 MA's), (214, 31391), (273, 31238), (299, 31178), (302, 31166), (323, 31109), (328, 31100), (332, 31088), (370, 30980), (378, 30956), (438, 30860), (460, 30812), (489, 30752), (517, 30689), (549, 30620), (560, 30599), (595, 30530), (598, 30524), (618, 30485), (649, 30362), (677, 30275), (685, 30239), (692, 30209), (704, 30179), (729, 30098), (739, 30059), (750, 30035), (757, 30017), (816, 29888), (832, 29828), (874, 29693), (880, 29681), (884, 29672),

Gene: Druantia_45 Start: 31573, Stop: 29747, Start Num: 181

Candidate Starts for Druantia_45:

(Start: 181 @31573 has 918 MA's), (195, 31552), (214, 31522), (224, 31492), (291, 31330), (298, 31312), (323, 31240), (328, 31231), (370, 31111), (378, 31087), (438, 30994), (460, 30946), (472, 30925), (489, 30886), (549, 30754), (560, 30733), (583, 30688), (586, 30676), (646, 30523), (649, 30502), (685, 30379), (692, 30349), (706, 30310), (728, 30244), (729, 30241), (733, 30226), (739, 30202), (750, 30178), (832, 29971), (874, 29836), (880, 29824), (884, 29815),

Gene: Dublin_37 Start: 30165, Stop: 28306, Start Num: 181

Candidate Starts for Dublin_37:

(Start: 181 @30165 has 918 MA's), (214, 30114), (236, 30054), (261, 29991), (273, 29961), (275, 29958), (299, 29901), (311, 29859), (323, 29832), (378, 29679), (438, 29583), (458, 29535), (497, 29451), (499, 29445), (537, 29373), (549, 29340), (555, 29325), (562, 29313), (614, 29214), (649, 29079), (660, 29049), (665, 29031), (667, 29028), (677, 28992), (680, 28983), (683, 28962), (686, 28953), (692, 28926), (693, 28923), (722, 28866), (728, 28845), (767, 28728), (796, 28674), (801, 28665), (816, 28647), (837, 28569), (868, 28476), (874, 28452), (880, 28440), (930, 28323), (931, 28320),

Gene: Dubu_35 Start: 27275, Stop: 29131, Start Num: 181

Candidate Starts for Dubu_35:

(Start: 181 @27275 has 918 MA's), (213, 27323), (236, 27395), (311, 27596), (347, 27692), (377, 27773), (427, 27833), (480, 27962), (489, 27983), (494, 27998), (539, 28088), (542, 28097), (560, 28136), (583, 28181), (588, 28199), (646, 28373), (649, 28394), (650, 28400), (665, 28442), (677, 28481), (678, 28484), (682, 28505), (690, 28538), (692, 28547), (711, 28601), (739, 28688), (758, 28733), (765, 28751), (767, 28763), (793, 28811), (795, 28814), (839, 28931), (862, 28994), (874, 29042), (882, 29057), (892, 29087),

Gene: DudeLittle_43 Start: 31344, Stop: 29557, Start Num: 181

Candidate Starts for DudeLittle_43:

(Start: 181 @31344 has 918 MA's), (273, 31140), (275, 31137), (286, 31116), (291, 31101), (302, 31068), (303, 31065), (311, 31038), (323, 31011), (332, 30990), (378, 30858), (438, 30765), (451, 30729), (458, 30717), (466, 30708), (472, 30693), (499, 30627), (539, 30546), (560, 30498), (562, 30492), (595, 30429), (649, 30273), (667, 30222), (676, 30189), (677, 30186), (692, 30120), (706, 30081), (722, 30060), (745, 29985), (750, 29973), (801, 29859), (816, 29841), (828, 29805), (832, 29781), (859, 29703), (874, 29646), (880, 29634), (884, 29625),

Gene: Dulcie_45 Start: 34631, Stop: 32805, Start Num: 181

Candidate Starts for Dulcie_45:

(Start: 181 @34631 has 918 MA's), (277, 34418), (285, 34403), (302, 34355), (311, 34325), (318, 34304), (323, 34298), (328, 34289), (369, 34172), (378, 34145), (438, 34052), (443, 34037), (458, 34004), (483, 33953), (484, 33950), (514, 33884), (530, 33854), (542, 33824), (562, 33779), (583, 33740), (649, 33560), (665, 33512), (677, 33473), (692, 33407), (706, 33368), (722, 33347), (728, 33326), (733, 33308), (757, 33242), (828, 33092), (829, 33089), (836, 33053), (846, 33029), (852, 33020), (856, 33008), (862, 32981), (874, 32933), (884, 32912),

Gene: DunneganBoMo_88 Start: 74347, Stop: 76077, Start Num: 223

Candidate Starts for DunneganBoMo_88:

(Start: 190 @74284 has 7 MA's), (213, 74317), (Start: 219 @74338 has 1 MA's), (Start: 223 @74347 has 1 MA's), (227, 74359), (326, 74596), (335, 74623), (338, 74629), (420, 74764), (476, 74881), (489, 74908), (491, 74914), (494, 74923), (521, 74977), (583, 75109), (589, 75130), (610, 75157), (624, 75205), (634, 75238), (646, 75277), (649, 75298), (650, 75304), (683, 75421), (705, 75505), (706, 75508), (726, 75571), (730, 75583), (739, 75619), (754, 75652), (774, 75706), (783, 75724), (820, 75808), (828, 75829), (833, 75856), (853, 75904), (855, 75910), (858, 75928), (862, 75940), (864, 75952), (865, 75955), (874, 75988), (884, 76015), (892, 76039),

Gene: Duocatuli_38 Start: 28619, Stop: 26754, Start Num: 211

Candidate Starts for Duocatuli_38:

(Start: 140 @28706 has 3 MA's), (Start: 142 @28703 has 1 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (561, 27812), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (712, 27350), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080), (829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: Duplo_47 Start: 31191, Stop: 29368, Start Num: 181

Candidate Starts for Duplo_47:

(Start: 181 @31191 has 918 MA's), (273, 30987), (285, 30963), (291, 30945), (298, 30927), (302, 30912), (303, 30909), (311, 30882), (323, 30855), (341, 30804), (378, 30702), (438, 30609), (458, 30561), (466, 30552), (471, 30540), (472, 30537), (499, 30471), (530, 30411), (583, 30297), (595, 30273), (617, 30234), (649, 30108), (667, 30057), (677, 30021), (692, 29955), (706, 29916), (729, 29847), (739, 29808), (758, 29763), (767, 29733), (801, 29670), (813, 29658), (816, 29652), (832, 29592), (874, 29457), (880, 29445), (884, 29436),

Gene: Dussy_46 Start: 34786, Stop: 32957, Start Num: 181

Candidate Starts for Dussy_46:

(Start: 181 @34786 has 918 MA's), (277, 34573), (285, 34558), (302, 34510), (311, 34480), (318, 34459), (323, 34453), (328, 34444), (369, 34327), (378, 34300), (438, 34207), (443, 34192), (483, 34108), (484, 34105), (514, 34039), (530, 34009), (542, 33979), (562, 33934), (583, 33895), (649, 33715), (665, 33667), (680, 33619), (689, 33580), (692, 33562), (706, 33523), (722, 33502), (728, 33481), (732, 33466), (779, 33343), (853, 33172), (858, 33148), (871, 33100), (874, 33088), (884, 33067), (887, 33061), (903, 33013), (908, 32998),

Gene: DustyMartin_48 Start: 31200, Stop: 29365, Start Num: 181

Candidate Starts for DustyMartin_48:

(Start: 181 @31200 has 918 MA's), (214, 31149), (238, 31083), (273, 30996), (285, 30972), (299, 30936), (302, 30924), (323, 30867), (328, 30858), (358, 30774), (370, 30738), (374, 30726), (378, 30714), (438, 30621), (460, 30573), (489, 30513), (548, 30384), (549, 30381), (560, 30360), (562, 30354), (618, 30246), (649, 30123), (665, 30075), (685, 30000), (692, 29970), (706, 29931), (728, 29862), (729, 29859), (739, 29820), (750, 29796), (753, 29790), (757, 29778), (805, 29670), (832, 29589), (839, 29565), (862, 29502), (874, 29454), (880, 29442), (884, 29433),

Gene: Dynamix_45 Start: 34393, Stop: 32567, Start Num: 181

Candidate Starts for Dynamix_45:

(Start: 181 @34393 has 918 MA's), (277, 34180), (302, 34117), (311, 34087), (318, 34066), (323, 34060), (328, 34051), (369, 33934), (378, 33907), (438, 33814), (443, 33799), (483, 33715), (484, 33712), (514, 33646), (530, 33616), (542, 33586), (562, 33541), (583, 33502), (649, 33322), (665, 33274), (677, 33235), (692, 33169), (706, 33130), (722, 33109), (728, 33088), (733, 33070), (757, 33004), (828, 32854), (829, 32851), (836, 32815), (852, 32782), (856, 32770), (862, 32743), (874, 32695), (884, 32674),

Gene: EZMoney23_43 Start: 31302, Stop: 29515, Start Num: 180

Candidate Starts for EZMoney23_43:

(Start: 180 @31302 has 21 MA's), (273, 31098), (275, 31095), (277, 31089), (286, 31074), (291, 31059), (302, 31026), (303, 31023), (311, 30996), (323, 30969), (332, 30948), (341, 30918), (378, 30816), (438, 30723), (458, 30675), (466, 30666), (472, 30651), (499, 30585), (539, 30504), (560, 30456), (562, 30450), (628, 30312), (649, 30231), (667, 30180), (676, 30147), (677, 30144), (692, 30078), (706, 30039), (722, 30018), (745, 29943), (767, 29880), (782, 29853), (801, 29817), (816, 29799), (828, 29763), (832, 29739), (855, 29682), (859, 29661), (874, 29604), (880, 29592), (884, 29583),

Gene: Eagle_45 Start: 31595, Stop: 29769, Start Num: 181

Candidate Starts for Eagle_45:

(Start: 181 @31595 has 918 MA's), (195, 31574), (214, 31544), (224, 31514), (291, 31352), (298, 31334), (323, 31262), (328, 31253), (370, 31133), (378, 31109), (438, 31016), (460, 30968), (472, 30947), (489, 30908), (549, 30776), (560, 30755), (583, 30710), (586, 30698), (646, 30545), (649, 30524), (685, 30401), (692, 30371), (706, 30332), (728, 30266), (729, 30263), (733, 30248), (739, 30224), (750, 30200), (832, 29993), (874, 29858), (880, 29846), (884, 29837),

Gene: EagleEye_46 Start: 30777, Stop: 28945, Start Num: 181

Candidate Starts for EagleEye_46:

(Start: 181 @30777 has 918 MA's), (273, 30573), (275, 30570), (302, 30501), (303, 30498), (311, 30471), (318, 30450), (323, 30444), (328, 30435), (341, 30393), (370, 30315), (378, 30291), (438, 30198), (514, 30030), (616, 29832), (649, 29703), (680, 29607), (689, 29568), (692, 29550), (725, 29478), (728, 29469), (779, 29331), (825, 29244), (828, 29235), (859, 29133), (874, 29076), (880, 29064), (923, 28959),

Gene: Eaglepride_45 Start: 31205, Stop: 29382, Start Num: 181

Candidate Starts for Eaglepride_45:

(Start: 181 @31205 has 918 MA's), (214, 31154), (224, 31124), (291, 30962), (298, 30944), (302, 30929), (323, 30872), (328, 30863), (353, 30791), (360, 30770), (370, 30743), (378, 30719), (438, 30626), (453, 30587), (460, 30578), (489, 30518), (499, 30491), (542, 30404), (562, 30359), (583, 30320), (618, 30263), (628, 30221), (649, 30140), (674, 30074), (685, 30017), (689, 30005), (692, 29987), (706, 29948), (729, 29876), (733, 29861), (739, 29837), (757, 29795), (816, 29666), (832, 29606), (836, 29591), (839, 29582), (874, 29471), (880, 29459), (884, 29450),

Gene: Eapen_45 Start: 31565, Stop: 29739, Start Num: 181

Candidate Starts for Eapen_45:

(Start: 181 @31565 has 918 MA's), (195, 31544), (214, 31514), (224, 31484), (291, 31322), (298, 31304), (323, 31232), (328, 31223), (370, 31103), (378, 31079), (438, 30986), (460, 30938), (472, 30917), (489, 30878), (549, 30746), (560, 30725), (583, 30680), (586, 30668), (646, 30515), (649, 30494), (685, 30371), (692, 30341), (706, 30302), (728, 30236), (729, 30233), (733, 30218), (739, 30194), (750, 30170), (832, 29963), (874, 29828), (880, 29816), (884, 29807),

Gene: Ebony_45 Start: 30738, Stop: 28951, Start Num: 181

Candidate Starts for Ebony_45:

(Start: 181 @30738 has 918 MA's), (273, 30534), (302, 30462), (311, 30432), (323, 30405), (440, 30153), (466, 30102), (499, 30021), (523, 29976), (560, 29892), (586, 29835), (617, 29793), (628, 29748), (649, 29667), (667, 29616), (677, 29580), (692, 29514), (722, 29454), (725, 29442), (760, 29340), (767, 29316), (777, 29298), (816, 29235), (825, 29208), (828, 29199), (832, 29175), (874, 29040), (880, 29028), (884, 29019),

Gene: Echild_44 Start: 30778, Stop: 28991, Start Num: 181

Candidate Starts for Echild_44:

(Start: 181 @30778 has 918 MA's), (275, 30571), (277, 30565), (291, 30535), (302, 30502), (303, 30499), (311, 30472), (323, 30445), (332, 30424), (378, 30292), (438, 30199), (458, 30151), (466, 30142), (472, 30127), (499, 30061), (539, 29980), (560, 29932), (562, 29926), (595, 29863), (628, 29788), (649, 29707), (667, 29656), (676, 29623), (677, 29620), (692, 29554), (706, 29515), (722, 29494), (745, 29419), (753, 29401), (757, 29389), (767, 29356), (782, 29329), (801, 29293), (828, 29239), (832, 29215), (855, 29158), (859, 29137), (874, 29080), (880, 29068), (884, 29059),

Gene: Eden_40 Start: 28150, Stop: 30027, Start Num: 171

Candidate Starts for Eden_40:

(Start: 171 @28150 has 61 MA's), (Start: 219 @28219 has 1 MA's), (273, 28357), (315, 28462), (332, 28498), (333, 28501), (369, 28591), (440, 28714), (489, 28822), (494, 28837), (506, 28867), (613, 29131), (618, 29146), (635, 29209), (649, 29269), (674, 29335), (686, 29398), (692, 29425), (726, 29518), (750, 29590), (793, 29689), (795, 29692), (796, 29695), (832, 29785), (855, 29842), (874, 29920), (884, 29941), (910, 30010),

Gene: Edison31_43 Start: 31140, Stop: 29305, Start Num: 181

Candidate Starts for Edison31_43:

(Start: 181 @31140 has 918 MA's), (214, 31089), (238, 31023), (273, 30936), (285, 30912), (291, 30897), (299, 30876), (302, 30864), (323, 30807), (328, 30798), (358, 30714), (370, 30678), (374, 30666), (378, 30654), (438, 30561), (460, 30513), (489, 30453), (499, 30426), (548, 30324), (549, 30321), (560, 30300), (562, 30294), (618, 30186), (649, 30063), (665, 30015), (685, 29940), (692, 29910), (706, 29871), (728, 29802), (729, 29799), (739, 29760), (750, 29736), (753, 29730), (757, 29718), (832, 29529), (839, 29505), (862, 29442), (874, 29394), (880, 29382), (884, 29373),

Gene: EdogawaKiddo_43 Start: 31490, Stop: 29697, Start Num: 181

Candidate Starts for EdogawaKiddo_43:

(Start: 181 @31490 has 918 MA's), (187, 31481), (214, 31439), (259, 31319), (261, 31316), (282, 31268), (303, 31208), (312, 31178), (316, 31166), (323, 31154), (378, 31001), (438, 30908), (499, 30770), (514, 30740), (586, 30581), (595, 30569), (616, 30542), (646, 30434), (649, 30413), (689, 30278), (692, 30260), (728, 30179), (739, 30137), (767, 30062), (813, 29987), (828, 29945), (859, 29843), (874, 29786), (880, 29774), (884, 29765),

Gene: Edtherson_45 Start: 35275, Stop: 33449, Start Num: 181

Candidate Starts for Edtherson_45:

(Start: 181 @35275 has 918 MA's), (277, 35062), (285, 35047), (302, 34999), (311, 34969), (318, 34948), (323, 34942), (328, 34933), (369, 34816), (378, 34789), (438, 34696), (443, 34681), (483, 34597), (484, 34594), (514, 34528), (530, 34498), (542, 34468), (562, 34423), (583, 34384), (649, 34204), (660, 34174), (665, 34156), (677, 34117), (692, 34051), (728, 33970), (729, 33967), (757, 33886), (828, 33736), (829, 33733), (836, 33697), (846, 33673), (852, 33664), (856, 33652), (874, 33577), (884, 33556),

Gene: EhyElimayoE_67 Start: 46750, Stop: 44786, Start Num: 231

Candidate Starts for EhyElimayoE_67:

(Start: 231 @46750 has 7 MA's), (268, 46654), (310, 46546), (314, 46534), (328, 46480), (356, 46396), (396, 46261), (423, 46162), (428, 46150), (436, 46123), (440, 46108), (494, 45970), (535, 45883), (573, 45787), (609, 45679), (611, 45676), (616, 45649), (623, 45622), (631, 45592), (642, 45562), (671, 45457), (695, 45349), (696, 45340), (698, 45334), (755, 45190), (761, 45172), (766, 45154), (801, 45100), (839, 44983), (845, 44971), (852, 44962), (856, 44950), (859, 44932), (865, 44908), (872, 44884), (879, 44866),

Gene: Eidsmoe_45 Start: 31547, Stop: 29754, Start Num: 181

Candidate Starts for Eidsmoe_45:

(Start: 181 @31547 has 918 MA's), (187, 31538), (214, 31496), (259, 31376), (261, 31373), (282, 31325), (303, 31265), (312, 31235), (316, 31223), (323, 31211), (378, 31058), (438, 30965), (499, 30827), (514, 30797), (586, 30638), (595, 30626), (616, 30599), (646, 30491), (649, 30470), (689, 30335), (692, 30317), (728, 30236), (739, 30194), (767, 30119), (813, 30044), (828, 30002), (859, 29900), (874, 29843), (880, 29831), (884, 29822),

Gene: ElJefes_46 Start: 34328, Stop: 32013, Start Num: 36

Candidate Starts for ElJefes_46:

(Start: 27 @34388 has 14 MA's), (36, 34328), (52, 34247), (73, 34127), (97, 34082), (136, 34004), (Start: 140 @33998 has 3 MA's), (Start: 142 @33995 has 1 MA's), (165, 33965), (176, 33947), (196, 33917), (214, 33890), (Start: 215 @33887 has 5 MA's), (238, 33830), (244, 33809), (255, 33791), (287, 33728), (296, 33704), (299, 33695), (302, 33683), (312, 33650), (329, 33629), (335, 33608), (404, 33425), (427, 33350), (434, 33329), (440, 33308), (496, 33221), (552, 33173), (566, 33143), (570, 33137), (596, 33092), (598, 33089), (606, 33074), (617, 33053), (618, 33050), (642, 32969), (648, 32939), (656, 32879), (659, 32870), (662, 32855), (667, 32840), (672, 32828), (692, 32735), (705, 32699), (707, 32693), (709, 32687), (711, 32681), (729, 32624), (735, 32600), (766, 32495), (767, 32492), (787, 32441), (806, 32399), (817, 32381), (829, 32342), (838, 32300), (848, 32276), (857, 32246), (868, 32198), (870, 32189), (874, 32174), (880, 32150), (889, 32129), (906, 32075), (922, 32042),

Gene: ElTiger69_39 Start: 30184, Stop: 28286, Start Num: 152

Candidate Starts for ElTiger69_39:

(Start: 152 @30184 has 2 MA's), (Start: 181 @30151 has 918 MA's), (236, 30040), (273, 29947), (275, 29944), (302, 29875), (303, 29872), (311, 29845), (323, 29818), (328, 29809), (358, 29725), (366, 29701), (378, 29665), (422, 29605), (438, 29569), (455, 29524), (458, 29521), (471, 29500), (472, 29497), (497, 29437), (537, 29359), (555, 29311), (562, 29299), (584, 29251), (614, 29200), (649, 29065), (665, 29017), (674, 28999), (677, 28978), (680, 28969), (686, 28939), (692, 28912), (693, 28909), (728, 28831), (733, 28813), (750, 28765), (767, 28714), (796, 28660), (801, 28651), (816, 28633), (837, 28555), (839, 28549), (868, 28462), (874, 28438), (880, 28426), (923, 28321),

Gene: Elephantoon_44 Start: 30830, Stop: 29037, Start Num: 181

Candidate Starts for Elephantoon_44:

(Start: 181 @30830 has 918 MA's), (187, 30821), (214, 30779), (244, 30692), (259, 30659), (261, 30656), (273, 30626), (282, 30608), (303, 30548), (311, 30521), (316, 30506), (323, 30494), (377, 30344), (378, 30341), (381, 30332), (433, 30263), (438, 30248), (514, 30080), (586, 29921), (595, 29909), (616, 29882), (646, 29774), (649, 29753), (685, 29630), (692, 29600), (706, 29561), (725, 29528), (728, 29519), (767, 29402), (779, 29381), (813, 29327), (828, 29285), (832, 29261), (859, 29183), (874, 29126), (880, 29114), (884, 29105),

Gene: Eleri_38 Start: 28732, Stop: 26867, Start Num: 209

Candidate Starts for Eleri_38:

(Start: 209 @28732 has 41 MA's), (227, 28687), (247, 28633), (277, 28573), (300, 28522), (335, 28444), (338, 28438), (351, 28393), (353, 28390), (354, 28387), (367, 28348), (393, 28288), (434, 28165), (437, 28156), (440, 28144), (444, 28132), (451, 28114), (461, 28093), (468, 28081), (480,

28057), (568, 27910), (639, 27742), (680, 27577), (688, 27541), (692, 27520), (707, 27478), (735, 27391), (745, 27346), (781, 27247), (802, 27202), (804, 27193), (829, 27133), (833, 27109), (844, 27076), (874, 26965),

Gene: Elezi_39 Start: 30351, Stop: 32216, Start Num: 181

Candidate Starts for Elezi_39:

(Start: 181 @30351 has 918 MA's), (213, 30399), (290, 30582), (293, 30588), (311, 30648), (318, 30669), (345, 30738), (443, 30954), (484, 31044), (489, 31053), (494, 31068), (516, 31113), (560, 31206), (619, 31344), (649, 31464), (660, 31494), (677, 31551), (690, 31608), (692, 31617), (703, 31641), (726, 31710), (750, 31782), (754, 31791), (799, 31890), (828, 31953), (874, 32112), (879, 32121),

Gene: Elfy_41 Start: 28904, Stop: 30769, Start Num: 180

Candidate Starts for Elfy_41:

(Start: 180 @28904 has 21 MA's), (296, 29150), (311, 29201), (312, 29204), (318, 29222), (366, 29345), (377, 29378), (438, 29492), (440, 29498), (467, 29555), (484, 29597), (489, 29606), (494, 29621), (499, 29633), (506, 29651), (539, 29711), (549, 29738), (555, 29753), (560, 29759), (565, 29771), (583, 29804), (586, 29816), (591, 29828), (618, 29894), (634, 29954), (649, 30017), (683, 30134), (686, 30143), (710, 30221), (726, 30263), (758, 30356), (796, 30440), (828, 30506), (832, 30530), (833, 30533), (846, 30569), (852, 30578), (859, 30608), (874, 30665), (879, 30674),

Gene: Elinal_48 Start: 34208, Stop: 31833, Start Num: 27

Candidate Starts for Elinal_48:

(Start: 27 @34208 has 14 MA's), (36, 34148), (46, 34106), (52, 34067), (73, 33947), (80, 33926), (97, 33902), (136, 33824), (Start: 140 @33818 has 3 MA's), (Start: 142 @33815 has 1 MA's), (165, 33785), (176, 33767), (189, 33749), (214, 33710), (Start: 215 @33707 has 5 MA's), (238, 33650), (245, 33626), (255, 33611), (287, 33548), (296, 33524), (299, 33515), (300, 33509), (302, 33503), (312, 33470), (329, 33449), (335, 33428), (404, 33245), (427, 33170), (440, 33128), (542, 33017), (552, 32993), (566, 32963), (596, 32912), (598, 32909), (606, 32894), (617, 32873), (656, 32699), (659, 32690), (667, 32660), (692, 32555), (705, 32519), (707, 32513), (709, 32507), (711, 32501), (729, 32444), (735, 32420), (766, 32315), (767, 32312), (806, 32219), (817, 32201), (829, 32162), (838, 32120), (848, 32096), (857, 32066), (868, 32018), (874, 31994), (889, 31949), (922, 31862),

Gene: Elliott_43 Start: 32440, Stop: 30047, Start Num: 20

Candidate Starts for Elliott_43:

(Start: 20 @32440 has 19 MA's), (28, 32434), (Start: 35 @32386 has 1 MA's), (43, 32344), (49, 32320), (69, 32194), (73, 32170), (97, 32125), (123, 32074), (132, 32059), (Start: 142 @32038 has 1 MA's), (176, 31990), (Start: 198 @31957 has 6 MA's), (204, 31948), (238, 31873), (240, 31861), (274, 31792), (288, 31765), (290, 31759), (296, 31744), (312, 31690), (313, 31687), (329, 31669), (335, 31648), (355, 31588), (404, 31465), (405, 31459), (427, 31390), (440, 31348), (496, 31261), (519, 31237), (542, 31231), (552, 31207), (556, 31198), (563, 31183), (570, 31171), (590, 31129), (596, 31126), (598, 31123), (648, 30976), (653, 30934), (659, 30907), (661, 30901), (692, 30772), (705, 30736), (707, 30730), (709, 30724), (711, 30718), (729, 30661), (735, 30637), (745, 30592), (873, 30214), (874, 30211), (889, 30166), (891, 30157), (911, 30097),

Gene: Elle_43 Start: 28423, Stop: 26633, Start Num: 181

Candidate Starts for Elle_43:

(Start: 181 @28423 has 918 MA's), (213, 28375), (261, 28249), (302, 28144), (303, 28141), (311, 28114), (323, 28087), (378, 27934), (438, 27841), (455, 27796), (458, 27793), (466, 27784), (506, 27685), (549, 27595), (583, 27529), (646, 27370), (649, 27349), (667, 27298), (674, 27283), (677, 27262), (680, 27253), (692, 27196), (728, 27115), (733, 27097), (816, 26917), (836, 26842), (859, 26779), (874, 26722), (880, 26710), (885, 26698),

Gene: Ellewin_90 Start: 73770, Stop: 75488, Start Num: 227

Candidate Starts for Ellewin_90:

(Start: 190 @73695 has 7 MA's), (Start: 219 @73749 has 1 MA's), (Start: 223 @73758 has 1 MA's), (227, 73770), (326, 74007), (338, 74040), (420, 74175), (476, 74292), (489, 74319), (491, 74325), (494, 74334), (521, 74388), (583, 74520), (589, 74541), (610, 74568), (624, 74616), (634, 74649), (646, 74688), (649, 74709), (650, 74715), (683, 74832), (705, 74916), (706, 74919), (726, 74982), (730, 74994), (739, 75030), (754, 75063), (774, 75117), (783, 75135), (820, 75219), (828, 75240), (833, 75267), (853, 75315), (855, 75321), (858, 75339), (862, 75351), (864, 75363), (865, 75366), (874, 75399), (884, 75426), (892, 75450),

Gene: Elva_44 Start: 30530, Stop: 32404, Start Num: 171

Candidate Starts for Elva_44:

(Start: 168 @30527 has 7 MA's), (Start: 171 @30530 has 61 MA's), (Start: 219 @30599 has 1 MA's), (227, 30620), (302, 30800), (328, 30866), (341, 30908), (449, 31118), (458, 31136), (489, 31202), (530, 31289), (594, 31436), (634, 31556), (635, 31559), (649, 31619), (650, 31625), (667, 31670), (674, 31685), (675, 31700), (683, 31736), (692, 31772), (726, 31865), (758, 31958), (793, 32036), (795, 32039), (813, 32066), (828, 32108), (836, 32147), (838, 32153), (855, 32189), (858, 32207), (868, 32243), (874, 32267), (884, 32288),

Gene: Emalyn_42 Start: 31612, Stop: 29225, Start Num: 26

Candidate Starts for Emalyn_42:

(4, 31759), (6, 31717), (10, 31684), (11, 31669), (Start: 26 @31612 has 25 MA's), (29, 31603), (31, 31597), (43, 31516), (56, 31420), (64, 31396), (69, 31369), (73, 31345), (Start: 142 @31213 has 1 MA's), (164, 31186), (Start: 172 @31171 has 3 MA's), (204, 31123), (217, 31093), (238, 31048), (240, 31036), (274, 30970), (296, 30922), (312, 30868), (329, 30847), (335, 30826), (340, 30811), (355, 30766), (404, 30643), (422, 30583), (427, 30568), (440, 30526), (496, 30439), (519, 30415), (542, 30409), (552, 30385), (556, 30376), (590, 30307), (596, 30304), (598, 30301), (635, 30205), (648, 30154), (659, 30085), (661, 30079), (692, 29950), (705, 29914), (707, 29908), (709, 29902), (711, 29896), (729, 29839), (735, 29815), (745, 29770), (766, 29710), (829, 29557), (837, 29518), (838, 29515), (874, 29389), (889, 29344), (891, 29335),

Gene: Emmetator_91 Start: 74362, Stop: 76080, Start Num: 227

Candidate Starts for Emmetator_91:

(Start: 190 @74287 has 7 MA's), (213, 74320), (Start: 219 @74341 has 1 MA's), (Start: 223 @74350 has 1 MA's), (227, 74362), (326, 74599), (335, 74626), (338, 74632), (420, 74767), (476, 74884), (489, 74911), (491, 74917), (494, 74926), (521, 74980), (583, 75112), (589, 75133), (610, 75160), (624, 75208), (634, 75241), (646, 75280), (649, 75301), (650, 75307), (683, 75424), (705, 75508), (706, 75511), (726, 75574), (730, 75586), (739, 75622), (754, 75655), (774, 75709), (783, 75727), (820, 75811), (828, 75832), (833, 75859), (853, 75907), (855, 75913), (858, 75931), (862, 75943), (864, 75955), (865, 75958), (874, 75991),

Gene: Emotion_46 Start: 31321, Stop: 33183, Start Num: 180

Candidate Starts for Emotion_46:

(130, 31249), (Start: 180 @31321 has 21 MA's), (303, 31591), (489, 32020), (555, 32167), (560, 32173), (619, 32311), (649, 32431), (667, 32482), (683, 32548), (726, 32677), (729, 32686), (733, 32701), (765, 32788), (796, 32854), (799, 32857), (859, 33022), (874, 33079),

Gene: EmyBug_44 Start: 31549, Stop: 29756, Start Num: 181

Candidate Starts for EmyBug_44:

(Start: 181 @31549 has 918 MA's), (187, 31540), (214, 31498), (259, 31378), (261, 31375), (282, 31327), (303, 31267), (312, 31237), (316, 31225), (323, 31213), (378, 31060), (438, 30967), (499, 30829), (514, 30799), (586, 30640), (595, 30628), (616, 30601), (646, 30493), (649, 30472), (689, 30337), (692, 30319), (728, 30238), (739, 30196), (767, 30121), (813, 30046), (828, 30004), (859,

29902), (874, 29845), (880, 29833), (884, 29824),

Gene: Endor_39 Start: 29287, Stop: 27419, Start Num: 211

Candidate Starts for Endor_39:

(138, 29374), (Start: 211 @29287 has 115 MA's), (Start: 215 @29278 has 5 MA's), (330, 29014), (332, 29011), (335, 28999), (338, 28993), (406, 28807), (434, 28720), (437, 28711), (440, 28699), (450, 28672), (451, 28669), (458, 28654), (461, 28648), (468, 28636), (630, 28318), (685, 28105), (688, 28096), (692, 28075), (707, 28033), (735, 27943), (787, 27784), (802, 27754), (829, 27685), (833, 27661), (846, 27622), (857, 27589), (858, 27577),

Gene: EnzoK_43 Start: 32376, Stop: 30550, Start Num: 181

Candidate Starts for EnzoK_43:

(Start: 181 @32376 has 918 MA's), (277, 32163), (302, 32100), (311, 32070), (318, 32049), (323, 32043), (328, 32034), (369, 31917), (378, 31890), (438, 31797), (443, 31782), (483, 31698), (484, 31695), (514, 31629), (530, 31599), (542, 31569), (562, 31524), (583, 31485), (649, 31305), (660, 31275), (665, 31257), (667, 31254), (677, 31218), (692, 31152), (728, 31071), (729, 31068), (757, 30987), (828, 30837), (829, 30834), (836, 30798), (846, 30774), (852, 30765), (856, 30753), (874, 30678), (884, 30657),

Gene: EpicPhail_49 Start: 31856, Stop: 30042, Start Num: 181

Candidate Starts for EpicPhail_49:

(Start: 181 @31856 has 918 MA's), (206, 31817), (214, 31805), (273, 31652), (281, 31637), (302, 31580), (323, 31523), (328, 31514), (341, 31472), (360, 31421), (378, 31370), (438, 31277), (458, 31229), (466, 31220), (472, 31205), (489, 31166), (499, 31139), (514, 31109), (555, 31016), (584, 30956), (595, 30941), (649, 30785), (677, 30698), (692, 30632), (706, 30593), (729, 30521), (739, 30482), (750, 30458), (757, 30440), (767, 30407), (782, 30380), (816, 30326), (832, 30266), (859, 30188), (874, 30131), (880, 30119), (884, 30110),

Gene: Epsocamisio_46 Start: 29741, Stop: 27951, Start Num: 181

Candidate Starts for Epsocamisio_46:

(Start: 181 @29741 has 918 MA's), (261, 29567), (302, 29462), (303, 29459), (311, 29432), (323, 29405), (341, 29354), (378, 29252), (438, 29159), (455, 29114), (458, 29111), (466, 29102), (539, 28940), (549, 28913), (560, 28892), (562, 28886), (619, 28787), (628, 28748), (644, 28697), (649, 28667), (667, 28616), (676, 28583), (683, 28550), (685, 28544), (692, 28514), (722, 28454), (728, 28433), (739, 28391), (751, 28364), (757, 28349), (796, 28262), (828, 28199), (829, 28196), (874, 28040), (880, 28028), (885, 28016),

Gene: Equemioh13_45 Start: 31601, Stop: 29814, Start Num: 181

Candidate Starts for Equemioh13_45:

(Start: 181 @31601 has 918 MA's), (273, 31397), (275, 31394), (277, 31388), (291, 31358), (302, 31325), (303, 31322), (311, 31295), (323, 31268), (341, 31217), (378, 31115), (438, 31022), (458, 30974), (466, 30965), (472, 30950), (499, 30884), (539, 30803), (560, 30755), (628, 30611), (649, 30530), (667, 30479), (676, 30446), (692, 30377), (706, 30338), (722, 30317), (728, 30296), (731, 30284), (813, 30104), (816, 30098), (828, 30062), (832, 30038), (859, 29960), (874, 29903), (880, 29891),

Gene: Eraser_39 Start: 30361, Stop: 32226, Start Num: 181

Candidate Starts for Eraser_39:

(Start: 181 @30361 has 918 MA's), (213, 30409), (290, 30592), (293, 30598), (311, 30658), (318, 30679), (345, 30748), (443, 30964), (484, 31054), (489, 31063), (494, 31078), (516, 31123), (560, 31216), (619, 31354), (649, 31474), (660, 31504), (677, 31561), (690, 31618), (692, 31627), (703, 31651), (726, 31720), (750, 31792), (754, 31801), (799, 31900), (828, 31963), (874, 32122), (879, 32131),

Gene: Erasmago_107 Start: 78435, Stop: 76564, Start Num: 177

Candidate Starts for Erasmago_107:

(153, 78468), (159, 78459), (162, 78456), (Start: 177 @78435 has 3 MA's), (289, 78177), (295, 78162), (301, 78141), (314, 78099), (326, 78081), (335, 78054), (338, 78048), (376, 77955), (381, 77940), (382, 77937), (441, 77862), (457, 77820), (463, 77808), (476, 77778), (489, 77751), (497, 77730), (516, 77691), (530, 77664), (583, 77553), (589, 77532), (618, 77484), (649, 77364), (666, 77313), (682, 77250), (704, 77166), (708, 77151), (739, 77046), (749, 77025), (754, 77013), (792, 76920), (803, 76902), (853, 76761), (859, 76734), (874, 76677),

Gene: EricB_45 Start: 29620, Stop: 27779, Start Num: 181

Candidate Starts for EricB_45:

(Start: 181 @29620 has 918 MA's), (273, 29416), (302, 29341), (303, 29338), (311, 29311), (316, 29296), (323, 29284), (341, 29233), (374, 29143), (378, 29131), (438, 29038), (453, 28999), (466, 28981), (472, 28966), (499, 28900), (516, 28867), (517, 28864), (564, 28762), (595, 28702), (628, 28618), (649, 28537), (676, 28453), (677, 28450), (680, 28441), (685, 28414), (692, 28384), (722, 28324), (733, 28285), (828, 28069), (829, 28066), (832, 28045), (874, 27910), (880, 27898), (884, 27889), (885, 27886), (923, 27793),

Gene: Erik_36 Start: 28111, Stop: 26327, Start Num: 181

Candidate Starts for Erik_36:

(Start: 181 @28111 has 918 MA's), (288, 27877), (299, 27847), (301, 27838), (302, 27835), (316, 27790), (323, 27778), (341, 27727), (378, 27625), (391, 27604), (438, 27532), (455, 27487), (458, 27484), (480, 27442), (482, 27436), (489, 27421), (499, 27394), (549, 27289), (553, 27280), (562, 27262), (583, 27223), (618, 27166), (649, 27043), (665, 26995), (692, 26890), (693, 26887), (722, 26830), (728, 26809), (741, 26761), (769, 26686), (813, 26617), (828, 26575), (832, 26551), (859, 26473), (874, 26416), (880, 26404), (884, 26395), (894, 26365), (900, 26347),

Gene: Eris_44 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Eris_44:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (506, 30838), (510, 30832), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Erla_38 Start: 28612, Stop: 26747, Start Num: 211

Candidate Starts for Erla_38:

(Start: 140 @28699 has 3 MA's), (Start: 211 @28612 has 115 MA's), (Start: 215 @28603 has 5 MA's), (255, 28498), (259, 28489), (275, 28459), (276, 28456), (332, 28336), (335, 28324), (338, 28318), (374, 28213), (384, 28186), (434, 28045), (435, 28039), (437, 28036), (440, 28024), (450, 27997), (451, 27994), (458, 27979), (461, 27973), (466, 27967), (481, 27934), (561, 27805), (584, 27745), (685, 27430), (688, 27421), (689, 27418), (692, 27400), (707, 27358), (709, 27352), (718, 27328), (735, 27271), (787, 27112), (802, 27082), (804, 27073), (829, 27013), (833, 26989), (846, 26950), (857, 26917), (858, 26905), (874, 26845),

Gene: Eros_45 Start: 31572, Stop: 29746, Start Num: 181

Candidate Starts for Eros_45:

(Start: 181 @31572 has 918 MA's), (195, 31551), (214, 31521), (224, 31491), (291, 31329), (298, 31311), (323, 31239), (328, 31230), (370, 31110), (378, 31086), (438, 30993), (460, 30945), (472, 30924), (489, 30885), (549, 30753), (560, 30732), (583, 30687), (586, 30675), (646, 30522), (649, 30501), (685, 30378), (692, 30348), (706, 30309), (728, 30243), (729, 30240), (733, 30225), (739,

30201), (750, 30177), (832, 29970), (874, 29835), (880, 29823), (884, 29814),

Gene: Espica_36 Start: 28114, Stop: 26330, Start Num: 181

Candidate Starts for Espica_36:

(Start: 181 @28114 has 918 MA's), (288, 27880), (299, 27850), (301, 27841), (302, 27838), (316, 27793), (323, 27781), (341, 27730), (378, 27628), (391, 27607), (438, 27535), (455, 27490), (458, 27487), (480, 27445), (482, 27439), (489, 27424), (499, 27397), (549, 27292), (553, 27283), (562, 27265), (583, 27226), (618, 27169), (649, 27046), (665, 26998), (692, 26893), (693, 26890), (722, 26833), (728, 26812), (741, 26764), (769, 26689), (813, 26620), (828, 26578), (832, 26554), (859, 26476), (874, 26419), (880, 26407), (884, 26398), (894, 26368), (900, 26350),

Gene: Espinosa_38 Start: 28630, Stop: 26765, Start Num: 211

Candidate Starts for Espinosa_38:

(Start: 140 @28717 has 3 MA's), (Start: 142 @28714 has 1 MA's), (Start: 211 @28630 has 115 MA's), (Start: 215 @28621 has 5 MA's), (255, 28516), (259, 28507), (275, 28477), (276, 28474), (332, 28354), (335, 28342), (338, 28336), (374, 28231), (384, 28204), (434, 28063), (435, 28057), (437, 28054), (440, 28042), (450, 28015), (451, 28012), (458, 27997), (461, 27991), (466, 27985), (481, 27952), (561, 27823), (584, 27763), (685, 27448), (688, 27439), (689, 27436), (692, 27418), (707, 27376), (709, 27370), (712, 27361), (718, 27346), (735, 27289), (787, 27130), (802, 27100), (804, 27091), (829, 27031), (833, 27007), (846, 26968), (857, 26935), (858, 26923), (874, 26863),

Gene: Espresso_44 Start: 34640, Stop: 32814, Start Num: 181

Candidate Starts for Espresso_44:

(Start: 181 @34640 has 918 MA's), (277, 34427), (302, 34364), (311, 34334), (318, 34313), (323, 34307), (328, 34298), (369, 34181), (378, 34154), (438, 34061), (443, 34046), (483, 33962), (484, 33959), (514, 33893), (530, 33863), (542, 33833), (562, 33788), (583, 33749), (649, 33569), (660, 33539), (665, 33521), (667, 33518), (677, 33482), (692, 33416), (728, 33335), (729, 33332), (757, 33251), (828, 33101), (829, 33098), (836, 33062), (846, 33038), (852, 33029), (856, 33017), (874, 32942), (884, 32921),

Gene: Et2Brutus_44 Start: 30698, Stop: 28911, Start Num: 181

Candidate Starts for Et2Brutus_44:

(Start: 181 @30698 has 918 MA's), (273, 30494), (302, 30422), (311, 30392), (323, 30365), (440, 30113), (466, 30062), (499, 29981), (523, 29936), (524, 29933), (560, 29852), (586, 29795), (617, 29753), (628, 29708), (649, 29627), (667, 29576), (677, 29540), (692, 29474), (722, 29414), (725, 29402), (760, 29300), (767, 29276), (777, 29258), (816, 29195), (825, 29168), (828, 29159), (832, 29135), (874, 29000), (880, 28988), (884, 28979),

Gene: Etna_38 Start: 29066, Stop: 27201, Start Num: 211

Candidate Starts for Etna_38:

(Start: 211 @29066 has 115 MA's), (Start: 215 @29057 has 5 MA's), (330, 28793), (335, 28778), (338, 28772), (384, 28640), (406, 28586), (410, 28574), (434, 28499), (437, 28490), (440, 28478), (450, 28451), (451, 28448), (458, 28433), (461, 28427), (468, 28415), (496, 28346), (630, 28097), (685, 27884), (688, 27875), (689, 27872), (692, 27854), (707, 27812), (735, 27725), (787, 27566), (802, 27536), (829, 27467), (833, 27443), (846, 27404), (857, 27371), (858, 27359),

Gene: EtoileNova_45 Start: 31601, Stop: 29763, Start Num: 181

Candidate Starts for EtoileNova_45:

(Start: 181 @31601 has 918 MA's), (214, 31550), (273, 31397), (302, 31325), (311, 31295), (323, 31268), (328, 31259), (378, 31115), (438, 31019), (460, 30971), (489, 30911), (531, 30824), (549, 30779), (560, 30758), (596, 30686), (618, 30644), (628, 30602), (649, 30521), (665, 30473), (677, 30434), (685, 30398), (692, 30368), (704, 30338), (729, 30257), (739, 30218), (750, 30194), (757, 30176), (758, 30173), (816, 30047), (832, 29987), (862, 29900), (874, 29852), (880, 29840), (884,

29831),

Gene: Etta_38 Start: 28616, Stop: 26751, Start Num: 211

Candidate Starts for Etta_38:

(Start: 140 @28703 has 3 MA's), (Start: 211 @28616 has 115 MA's), (Start: 215 @28607 has 5 MA's),
(255, 28502), (259, 28493), (275, 28463), (276, 28460), (332, 28340), (335, 28328), (338, 28322),
(374, 28217), (384, 28190), (434, 28049), (435, 28043), (437, 28040), (440, 28028), (450, 28001),
(451, 27998), (458, 27983), (461, 27977), (466, 27971), (481, 27938), (561, 27809), (584, 27749),
(685, 27434), (688, 27425), (689, 27422), (692, 27404), (707, 27362), (709, 27356), (718, 27332),
(735, 27275), (787, 27116), (802, 27086), (804, 27077), (829, 27017), (833, 26993), (846, 26954),
(857, 26921), (858, 26909), (874, 26849),

Gene: Eula_43 Start: 29571, Stop: 31445, Start Num: 171

Candidate Starts for Eula_43:

(Start: 168 @29568 has 7 MA's), (Start: 171 @29571 has 61 MA's), (Start: 219 @29640 has 1 MA's),
(227, 29661), (302, 29841), (328, 29907), (341, 29949), (489, 30243), (549, 30378), (594, 30477),
(635, 30600), (649, 30660), (650, 30666), (667, 30711), (675, 30741), (683, 30777), (692, 30813),
(726, 30906), (758, 30999), (793, 31077), (828, 31149), (836, 31188), (855, 31230), (858, 31248),
(874, 31308), (884, 31329),

Gene: Euphoria_43 Start: 34128, Stop: 32302, Start Num: 181

Candidate Starts for Euphoria_43:

(Start: 181 @34128 has 918 MA's), (277, 33915), (285, 33900), (302, 33852), (311, 33822), (318,
33801), (323, 33795), (328, 33786), (369, 33669), (378, 33642), (438, 33549), (443, 33534), (458,
33501), (483, 33450), (484, 33447), (514, 33381), (530, 33351), (542, 33321), (562, 33276), (583,
33237), (649, 33057), (660, 33027), (665, 33009), (667, 33006), (677, 32970), (692, 32904), (728,
32823), (729, 32820), (757, 32739), (828, 32589), (829, 32586), (836, 32550), (846, 32526), (852,
32517), (856, 32505), (859, 32487), (862, 32478), (874, 32430), (884, 32409),

Gene: Euratis_35 Start: 26897, Stop: 28750, Start Num: 181

Candidate Starts for Euratis_35:

(Start: 181 @26897 has 918 MA's), (195, 26918), (224, 26978), (238, 27011), (273, 27098), (295,
27146), (311, 27200), (312, 27203), (318, 27221), (323, 27227), (340, 27275), (366, 27344), (377,
27377), (440, 27476), (466, 27533), (472, 27548), (483, 27575), (489, 27587), (496, 27605), (512,
27641), (536, 27683), (539, 27692), (555, 27734), (560, 27740), (587, 27800), (591, 27809), (635,
27938), (649, 27998), (665, 28049), (672, 28064), (683, 28121), (685, 28127), (686, 28130), (689,
28139), (692, 28157), (697, 28172), (705, 28202), (725, 28256), (758, 28352), (799, 28439), (820,
28481), (832, 28526), (836, 28541), (839, 28550), (853, 28577), (859, 28604), (874, 28661), (878,
28667), (884, 28682), (888, 28691),

Gene: Eurydice_46 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for Eurydice_46:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298,
31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472,
30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649,
30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739,
30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: EvilGenius_47 Start: 33208, Stop: 31421, Start Num: 181

Candidate Starts for EvilGenius_47:

(Start: 181 @33208 has 918 MA's), (275, 33001), (277, 32995), (286, 32980), (291, 32965), (303,
32929), (311, 32902), (323, 32875), (332, 32854), (360, 32773), (378, 32722), (438, 32629), (458,
32581), (466, 32572), (472, 32557), (499, 32491), (560, 32362), (562, 32356), (649, 32137), (667,

32086), (676, 32053), (677, 32050), (692, 31984), (706, 31945), (722, 31924), (745, 31849), (750, 31837), (767, 31786), (801, 31723), (816, 31705), (828, 31669), (832, 31645), (859, 31567), (874, 31510), (880, 31498), (884, 31489),

Gene: Exile_36 Start: 30877, Stop: 32721, Start Num: 181

Candidate Starts for Exile_36:

(Start: 181 @30877 has 918 MA's), (296, 31123), (471, 31516), (489, 31558), (494, 31573), (499, 31585), (539, 31663), (549, 31690), (554, 31702), (560, 31711), (619, 31849), (649, 31969), (660, 31999), (692, 32122), (704, 32152), (726, 32215), (729, 32224), (832, 32482), (853, 32533), (855, 32539), (858, 32557), (874, 32617),

Gene: Expelliarmus_42 Start: 30600, Stop: 28756, Start Num: 181

Candidate Starts for Expelliarmus_42:

(89, 30765), (Start: 181 @30600 has 918 MA's), (214, 30549), (261, 30426), (273, 30396), (291, 30357), (302, 30324), (311, 30294), (318, 30273), (323, 30267), (328, 30258), (360, 30165), (378, 30114), (438, 30018), (448, 29991), (455, 29973), (458, 29970), (466, 29961), (489, 29907), (499, 29880), (524, 29832), (549, 29775), (562, 29748), (586, 29697), (596, 29682), (646, 29535), (649, 29514), (660, 29484), (665, 29466), (667, 29463), (674, 29448), (677, 29427), (680, 29418), (685, 29391), (689, 29379), (692, 29361), (728, 29280), (731, 29268), (750, 29214), (763, 29178), (779, 29142), (796, 29109), (813, 29088), (816, 29082), (829, 29043), (832, 29022), (837, 29004), (874, 28887), (880, 28875),

Gene: Exploradora_38 Start: 28619, Stop: 26754, Start Num: 211

Candidate Starts for Exploradora_38:

(Start: 140 @28706 has 3 MA's), (Start: 142 @28703 has 1 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (561, 27812), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (712, 27350), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080), (829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: ExplosioNervosa_45 Start: 31573, Stop: 29780, Start Num: 181

Candidate Starts for ExplosioNervosa_45:

(Start: 181 @31573 has 918 MA's), (187, 31564), (214, 31522), (259, 31402), (261, 31399), (282, 31351), (303, 31291), (312, 31261), (316, 31249), (323, 31237), (378, 31084), (438, 30991), (499, 30853), (514, 30823), (586, 30664), (595, 30652), (616, 30625), (646, 30517), (649, 30496), (689, 30361), (692, 30343), (728, 30262), (739, 30220), (767, 30145), (813, 30070), (828, 30028), (859, 29926), (874, 29869), (880, 29857), (884, 29848),

Gene: Eyeball_46 Start: 35014, Stop: 33227, Start Num: 181

Candidate Starts for Eyeball_46:

(Start: 181 @35014 has 918 MA's), (277, 34801), (285, 34786), (311, 34708), (318, 34687), (323, 34681), (328, 34672), (369, 34555), (378, 34528), (438, 34435), (443, 34420), (483, 34336), (484, 34333), (514, 34267), (530, 34237), (542, 34207), (562, 34162), (583, 34123), (649, 33943), (665, 33895), (677, 33856), (692, 33790), (725, 33718), (728, 33709), (757, 33625), (796, 33538), (846, 33412), (853, 33400), (874, 33316), (878, 33310),

Gene: Ezurina_39 Start: 29747, Stop: 27957, Start Num: 167

Candidate Starts for Ezurina_39:

(Start: 158 @29762 has 13 MA's), (167, 29747), (Start: 174 @29738 has 2 MA's), (Start: 232 @29615 has 11 MA's), (252, 29567), (312, 29429), (314, 29423), (335, 29375), (371, 29294), (373, 29288), (381, 29264), (438, 29195), (476, 29114), (489, 29087), (494, 29072), (525, 29009), (562, 28928),

(565, 28922), (583, 28886), (603, 28850), (617, 28841), (646, 28736), (650, 28709), (677, 28628), (681, 28613), (686, 28589), (692, 28562), (706, 28523), (730, 28448), (754, 28379), (769, 28331), (782, 28310), (807, 28256), (815, 28241), (824, 28214), (833, 28175), (837, 28160), (855, 28118), (859, 28097), (860, 28094), (864, 28076), (869, 28061),

Gene: FF47_43 Start: 34250, Stop: 31839, Start Num: 25

Candidate Starts for FF47_43:

(Start: 25 @34250 has 1 MA's), (29, 34241), (Start: 35 @34196 has 1 MA's), (Start: 37 @34184 has 1 MA's), (Start: 45 @34145 has 1 MA's), (73, 33986), (82, 33956), (97, 33926), (199, 33758), (255, 33638), (300, 33536), (335, 33455), (355, 33395), (380, 33329), (427, 33197), (442, 33149), (492, 33077), (496, 33068), (511, 33056), (570, 32987), (649, 32774), (656, 32720), (678, 32639), (685, 32606), (705, 32540), (707, 32534), (709, 32528), (711, 32522), (718, 32498), (729, 32465), (733, 32450), (735, 32441), (787, 32282), (792, 32270), (867, 32042), (874, 32015), (896, 31946),

Gene: Fajezeel_47 Start: 35124, Stop: 33337, Start Num: 181

Candidate Starts for Fajezeel_47:

(Start: 181 @35124 has 918 MA's), (277, 34911), (285, 34896), (302, 34848), (311, 34818), (318, 34797), (323, 34791), (328, 34782), (369, 34665), (378, 34638), (438, 34545), (443, 34530), (458, 34497), (483, 34446), (484, 34443), (514, 34377), (530, 34347), (542, 34317), (562, 34272), (583, 34233), (649, 34053), (665, 34005), (677, 33966), (692, 33900), (725, 33828), (728, 33819), (757, 33735), (796, 33648), (846, 33522), (853, 33510), (874, 33426), (878, 33420),

Gene: Fameo_44 Start: 31472, Stop: 29685, Start Num: 181

Candidate Starts for Fameo_44:

(42, 31850), (74, 31661), (86, 31622), (Start: 181 @31472 has 918 MA's), (273, 31268), (275, 31265), (277, 31259), (286, 31244), (291, 31229), (302, 31196), (303, 31193), (311, 31166), (323, 31139), (332, 31118), (378, 30986), (438, 30893), (451, 30857), (458, 30845), (466, 30836), (472, 30821), (499, 30755), (539, 30674), (560, 30626), (562, 30620), (595, 30557), (649, 30401), (667, 30350), (676, 30317), (677, 30314), (692, 30248), (706, 30209), (722, 30188), (745, 30113), (750, 30101), (801, 29987), (816, 29969), (825, 29942), (828, 29933), (832, 29909), (859, 29831), (874, 29774), (880, 29762), (884, 29753),

Gene: Farber_48 Start: 31846, Stop: 30032, Start Num: 181

Candidate Starts for Farber_48:

(Start: 181 @31846 has 918 MA's), (206, 31807), (214, 31795), (273, 31642), (281, 31627), (302, 31570), (323, 31513), (328, 31504), (341, 31462), (360, 31411), (378, 31360), (420, 31306), (438, 31267), (458, 31219), (472, 31195), (489, 31156), (499, 31129), (514, 31099), (555, 31006), (562, 30994), (584, 30946), (595, 30931), (649, 30775), (667, 30724), (676, 30691), (677, 30688), (692, 30622), (706, 30583), (729, 30511), (739, 30472), (750, 30448), (757, 30430), (767, 30397), (782, 30370), (816, 30316), (832, 30256), (859, 30178), (874, 30121), (880, 30109), (884, 30100),

Gene: FarmerDoug_38 Start: 28918, Stop: 27050, Start Num: 211

Candidate Starts for FarmerDoug_38:

(98, 29086), (122, 29041), (148, 28996), (Start: 211 @28918 has 115 MA's), (Start: 215 @28909 has 5 MA's), (329, 28651), (330, 28645), (335, 28630), (338, 28624), (384, 28492), (406, 28438), (410, 28426), (434, 28351), (437, 28342), (440, 28330), (450, 28303), (451, 28300), (458, 28285), (461, 28279), (468, 28267), (480, 28243), (685, 27736), (688, 27727), (689, 27724), (692, 27706), (707, 27664), (735, 27574), (787, 27415), (802, 27385), (829, 27316), (833, 27292), (835, 27286), (846, 27253), (857, 27220), (858, 27208),

Gene: Fascinus_41 Start: 33978, Stop: 32152, Start Num: 181

Candidate Starts for Fascinus_41:

(Start: 181 @33978 has 918 MA's), (277, 33765), (285, 33750), (302, 33702), (311, 33672), (318, 33651), (323, 33645), (328, 33636), (369, 33519), (378, 33492), (438, 33399), (443, 33384), (458, 33351), (483, 33300), (484, 33297), (514, 33231), (542, 33171), (562, 33126), (583, 33087), (649, 32907), (665, 32859), (677, 32820), (692, 32754), (706, 32715), (722, 32694), (728, 32673), (733, 32655), (757, 32589), (828, 32439), (829, 32436), (836, 32400), (846, 32376), (852, 32367), (856, 32355), (862, 32328), (874, 32280), (884, 32259),

Gene: FatCactus_36 Start: 28343, Stop: 26556, Start Num: 181

Candidate Starts for FatCactus_36:

(Start: 181 @28343 has 918 MA's), (273, 28136), (275, 28133), (302, 28064), (323, 28007), (328, 27998), (360, 27905), (378, 27854), (438, 27761), (453, 27722), (455, 27716), (458, 27713), (466, 27704), (472, 27689), (496, 27632), (514, 27593), (527, 27569), (549, 27518), (555, 27503), (616, 27401), (632, 27341), (646, 27293), (649, 27272), (665, 27224), (676, 27188), (685, 27149), (692, 27119), (699, 27101), (728, 27038), (753, 26966), (767, 26921), (769, 26915), (816, 26840), (825, 26813), (836, 26765), (866, 26675), (874, 26645), (880, 26633), (884, 26624),

Gene: Fayely_45 Start: 31516, Stop: 29723, Start Num: 181

Candidate Starts for Fayely_45:

(Start: 181 @31516 has 918 MA's), (187, 31507), (214, 31465), (259, 31345), (261, 31342), (282, 31294), (303, 31234), (312, 31204), (316, 31192), (323, 31180), (378, 31027), (438, 30934), (499, 30796), (514, 30766), (586, 30607), (595, 30595), (616, 30568), (646, 30460), (649, 30439), (689, 30304), (692, 30286), (728, 30205), (739, 30163), (767, 30088), (813, 30013), (828, 29971), (859, 29869), (874, 29812), (880, 29800), (884, 29791),

Gene: Feastonyeet_44 Start: 33868, Stop: 31490, Start Num: 27

Candidate Starts for Feastonyeet_44:

(Start: 27 @33868 has 14 MA's), (36, 33808), (46, 33766), (52, 33727), (68, 33637), (73, 33607), (80, 33586), (97, 33562), (136, 33484), (Start: 140 @33478 has 3 MA's), (Start: 142 @33475 has 1 MA's), (165, 33445), (176, 33427), (189, 33409), (214, 33370), (Start: 215 @33367 has 5 MA's), (238, 33310), (245, 33286), (255, 33271), (287, 33208), (296, 33184), (299, 33175), (300, 33169), (302, 33163), (312, 33130), (329, 33109), (335, 33088), (404, 32905), (427, 32830), (440, 32788), (496, 32701), (542, 32677), (552, 32653), (556, 32644), (566, 32623), (596, 32572), (598, 32569), (606, 32554), (617, 32533), (649, 32407), (656, 32359), (659, 32350), (672, 32308), (692, 32215), (705, 32179), (707, 32173), (709, 32167), (711, 32161), (729, 32104), (735, 32080), (766, 31975), (767, 31972), (806, 31879), (817, 31861), (829, 31822), (838, 31780), (848, 31756), (857, 31726), (868, 31678), (874, 31654), (880, 31630), (889, 31609), (922, 31522), (928, 31510),

Gene: Fenn_46 Start: 36445, Stop: 34658, Start Num: 181

Candidate Starts for Fenn_46:

(Start: 181 @36445 has 918 MA's), (277, 36232), (285, 36217), (302, 36169), (311, 36139), (323, 36112), (328, 36103), (369, 35986), (378, 35959), (438, 35866), (443, 35851), (458, 35818), (483, 35767), (484, 35764), (514, 35698), (542, 35638), (562, 35593), (583, 35554), (649, 35374), (665, 35326), (677, 35287), (692, 35221), (725, 35149), (728, 35140), (757, 35056), (796, 34969), (846, 34843), (853, 34831), (874, 34747), (878, 34741),

Gene: Fernando_48 Start: 31852, Stop: 30038, Start Num: 181

Candidate Starts for Fernando_48:

(Start: 181 @31852 has 918 MA's), (206, 31813), (214, 31801), (273, 31648), (281, 31633), (302, 31576), (323, 31519), (328, 31510), (341, 31468), (360, 31417), (378, 31366), (438, 31273), (458, 31225), (466, 31216), (472, 31201), (489, 31162), (499, 31135), (514, 31105), (555, 31012), (584, 30952), (595, 30937), (649, 30781), (677, 30694), (692, 30628), (706, 30589), (729, 30517), (739, 30478), (750, 30454), (757, 30436), (767, 30403), (782, 30376), (816, 30322), (832, 30262), (859, 30184), (874, 30127), (880, 30115), (884, 30106),

Gene: Fibonacci_44 Start: 30330, Stop: 28543, Start Num: 181

Candidate Starts for Fibonacci_44:

(Start: 181 @30330 has 918 MA's), (273, 30126), (302, 30054), (311, 30024), (323, 29997), (440, 29745), (466, 29694), (499, 29613), (523, 29568), (524, 29565), (560, 29484), (586, 29427), (617, 29385), (628, 29340), (649, 29259), (667, 29208), (677, 29172), (692, 29106), (722, 29046), (725, 29034), (760, 28932), (767, 28908), (777, 28890), (816, 28827), (825, 28800), (828, 28791), (832, 28767), (874, 28632), (880, 28620), (884, 28611),

Gene: Figueroism_39 Start: 28924, Stop: 27059, Start Num: 211

Candidate Starts for Figueroism_39:

(Start: 140 @29011 has 3 MA's), (Start: 142 @29008 has 1 MA's), (Start: 211 @28924 has 115 MA's), (Start: 215 @28915 has 5 MA's), (255, 28810), (259, 28801), (275, 28771), (276, 28768), (332, 28648), (335, 28636), (338, 28630), (374, 28525), (384, 28498), (434, 28357), (435, 28351), (437, 28348), (440, 28336), (450, 28309), (451, 28306), (458, 28291), (461, 28285), (466, 28279), (481, 28246), (561, 28117), (584, 28057), (685, 27742), (688, 27733), (689, 27730), (692, 27712), (707, 27670), (709, 27664), (712, 27655), (718, 27640), (735, 27583), (787, 27424), (802, 27394), (804, 27385), (829, 27325), (833, 27301), (846, 27262), (857, 27229), (858, 27217), (874, 27157),

Gene: Finalfrontier_43 Start: 30430, Stop: 32304, Start Num: 171

Candidate Starts for Finalfrontier_43:

(Start: 168 @30427 has 7 MA's), (Start: 171 @30430 has 61 MA's), (Start: 219 @30499 has 1 MA's), (227, 30520), (302, 30700), (328, 30766), (341, 30808), (489, 31102), (549, 31237), (594, 31336), (635, 31459), (649, 31519), (650, 31525), (667, 31570), (674, 31585), (675, 31600), (683, 31636), (692, 31672), (726, 31765), (758, 31858), (793, 31936), (828, 32008), (836, 32047), (855, 32089), (858, 32107), (874, 32167), (884, 32188),

Gene: Finny_38 Start: 28772, Stop: 26907, Start Num: 209

Candidate Starts for Finny_38:

(Start: 209 @28772 has 41 MA's), (247, 28673), (277, 28613), (300, 28562), (335, 28484), (338, 28478), (351, 28433), (353, 28430), (354, 28427), (367, 28388), (393, 28328), (434, 28205), (437, 28196), (440, 28184), (444, 28172), (451, 28154), (461, 28133), (468, 28121), (568, 27950), (639, 27782), (680, 27617), (688, 27581), (692, 27560), (707, 27518), (735, 27431), (745, 27386), (781, 27287), (802, 27242), (829, 27173), (833, 27149), (844, 27116), (874, 27005),

Gene: FiringLine_44 Start: 31266, Stop: 29479, Start Num: 181

Candidate Starts for FiringLine_44:

(67, 31521), (Start: 181 @31266 has 918 MA's), (273, 31062), (275, 31059), (277, 31053), (286, 31038), (291, 31023), (302, 30990), (303, 30987), (311, 30960), (323, 30933), (332, 30912), (341, 30882), (378, 30780), (438, 30687), (458, 30639), (466, 30630), (472, 30615), (499, 30549), (539, 30468), (560, 30420), (562, 30414), (595, 30351), (628, 30276), (649, 30195), (667, 30144), (676, 30111), (677, 30108), (692, 30042), (706, 30003), (722, 29982), (745, 29907), (753, 29889), (767, 29844), (782, 29817), (801, 29781), (813, 29769), (816, 29763), (828, 29727), (832, 29703), (859, 29625), (874, 29568), (880, 29556), (884, 29547),

Gene: First_0044 Start: 31142, Stop: 29355, Start Num: 181

Candidate Starts for First_0044:

(39, 31559), (Start: 181 @31142 has 918 MA's), (273, 30938), (275, 30935), (277, 30929), (286, 30914), (291, 30899), (302, 30866), (303, 30863), (311, 30836), (323, 30809), (332, 30788), (341, 30758), (378, 30656), (438, 30563), (441, 30554), (458, 30515), (466, 30506), (472, 30491), (499, 30425), (539, 30344), (560, 30296), (562, 30290), (595, 30227), (628, 30152), (649, 30071), (676, 29987), (677, 29984), (692, 29918), (706, 29879), (722, 29858), (745, 29783), (753, 29765), (757, 29753), (767, 29720), (782, 29693), (801, 29657), (816, 29639), (828, 29603), (832, 29579), (855,

29522), (859, 29501), (874, 29444), (880, 29432), (884, 29423),

Gene: FiveHead_49 Start: 30580, Stop: 32442, Start Num: 180

Candidate Starts for FiveHead_49:

(Start: 180 @30580 has 21 MA's), (213, 30628), (277, 30793), (311, 30877), (338, 30943), (447, 31189), (489, 31279), (555, 31426), (560, 31432), (597, 31516), (649, 31690), (676, 31774), (683, 31807), (726, 31936), (729, 31945), (765, 32047), (839, 32227), (859, 32281), (874, 32338),

Gene: FlameThrower_40 Start: 29788, Stop: 31659, Start Num: 171

Candidate Starts for FlameThrower_40:

(Start: 171 @29788 has 61 MA's), (Start: 219 @29857 has 1 MA's), (259, 29962), (263, 29971), (328, 30124), (366, 30220), (369, 30229), (392, 30274), (450, 30379), (470, 30415), (489, 30460), (494, 30475), (539, 30568), (649, 30874), (667, 30925), (674, 30940), (683, 30991), (692, 31027), (726, 31120), (750, 31192), (793, 31291), (828, 31363), (832, 31387), (855, 31444), (868, 31498), (874, 31522), (884, 31543),

Gene: Flare16_44 Start: 31360, Stop: 29573, Start Num: 181

Candidate Starts for Flare16_44:

(Start: 181 @31360 has 918 MA's), (273, 31156), (275, 31153), (277, 31147), (291, 31117), (302, 31084), (303, 31081), (311, 31054), (323, 31027), (341, 30976), (378, 30874), (438, 30781), (458, 30733), (466, 30724), (472, 30709), (499, 30643), (539, 30562), (560, 30514), (628, 30370), (649, 30289), (667, 30238), (676, 30205), (692, 30136), (706, 30097), (722, 30076), (728, 30055), (731, 30043), (813, 29863), (816, 29857), (828, 29821), (832, 29797), (859, 29719), (874, 29662), (880, 29650),

Gene: Flaverint_45 Start: 30777, Stop: 28990, Start Num: 181

Candidate Starts for Flaverint_45:

(Start: 181 @30777 has 918 MA's), (273, 30573), (302, 30501), (311, 30471), (323, 30444), (440, 30192), (466, 30141), (499, 30060), (523, 30015), (586, 29874), (617, 29832), (628, 29787), (649, 29706), (667, 29655), (677, 29619), (692, 29553), (722, 29493), (725, 29481), (760, 29379), (767, 29355), (777, 29337), (816, 29274), (825, 29247), (828, 29238), (832, 29214), (874, 29079), (880, 29067), (884, 29058),

Gene: Floof_49 Start: 32023, Stop: 33888, Start Num: 180

Candidate Starts for Floof_49:

(Start: 180 @32023 has 21 MA's), (311, 32320), (366, 32464), (440, 32617), (464, 32668), (489, 32725), (555, 32872), (560, 32878), (586, 32935), (588, 32941), (628, 33055), (649, 33136), (672, 33199), (682, 33247), (683, 33253), (693, 33292), (741, 33436), (748, 33448), (754, 33463), (758, 33475), (796, 33559), (837, 33667), (857, 33712), (874, 33784), (920, 33883),

Gene: FloraSnap32_99 Start: 77347, Stop: 79143, Start Num: 190

Candidate Starts for FloraSnap32_99:

(Start: 190 @77347 has 7 MA's), (Start: 231 @77440 has 7 MA's), (236, 77443), (326, 77659), (335, 77686), (338, 77692), (369, 77761), (381, 77797), (476, 77944), (479, 77950), (489, 77971), (494, 77986), (583, 78175), (608, 78220), (620, 78253), (624, 78271), (632, 78298), (634, 78304), (646, 78343), (649, 78364), (650, 78370), (683, 78484), (705, 78568), (707, 78574), (711, 78586), (726, 78634), (730, 78646), (739, 78682), (754, 78715), (757, 78724), (774, 78769), (783, 78787), (820, 78871), (828, 78892), (833, 78919), (837, 78934), (853, 78967), (858, 78991), (864, 79015), (874, 79051), (884, 79078),

Gene: Florean_45 Start: 31569, Stop: 29743, Start Num: 181

Candidate Starts for Florean_45:

(Start: 181 @31569 has 918 MA's), (195, 31548), (214, 31518), (224, 31488), (291, 31326), (298, 31308), (323, 31236), (328, 31227), (370, 31107), (378, 31083), (438, 30990), (460, 30942), (472, 30921), (489, 30882), (549, 30750), (560, 30729), (583, 30684), (586, 30672), (646, 30519), (649, 30498), (685, 30375), (692, 30345), (706, 30306), (728, 30240), (729, 30237), (733, 30222), (739, 30198), (750, 30174), (832, 29967), (874, 29832), (880, 29820), (884, 29811),

Gene: Florence1_37 Start: 30018, Stop: 28174, Start Num: 181

Candidate Starts for Florence1_37:

(Start: 181 @30018 has 918 MA's), (214, 29967), (236, 29907), (261, 29844), (273, 29814), (275, 29811), (299, 29754), (302, 29742), (311, 29712), (323, 29685), (378, 29532), (438, 29436), (458, 29388), (497, 29304), (499, 29298), (537, 29226), (549, 29193), (555, 29178), (562, 29166), (614, 29067), (649, 28932), (660, 28902), (665, 28884), (667, 28881), (677, 28845), (680, 28836), (683, 28815), (686, 28806), (692, 28779), (693, 28776), (722, 28719), (728, 28698), (767, 28581), (796, 28527), (801, 28518), (816, 28500), (837, 28422), (858, 28365), (868, 28329), (874, 28305), (880, 28293),

Gene: Florence4_38 Start: 30018, Stop: 28174, Start Num: 181

Candidate Starts for Florence4_38:

(Start: 181 @30018 has 918 MA's), (214, 29967), (236, 29907), (261, 29844), (273, 29814), (275, 29811), (299, 29754), (302, 29742), (311, 29712), (323, 29685), (378, 29532), (438, 29436), (458, 29388), (497, 29304), (499, 29298), (537, 29226), (549, 29193), (555, 29178), (562, 29166), (614, 29067), (649, 28932), (660, 28902), (665, 28884), (667, 28881), (677, 28845), (680, 28836), (683, 28815), (686, 28806), (692, 28779), (693, 28776), (722, 28719), (728, 28698), (767, 28581), (796, 28527), (801, 28518), (816, 28500), (837, 28422), (858, 28365), (868, 28329), (874, 28305), (880, 28293),

Gene: Flutur_40 Start: 29934, Stop: 31799, Start Num: 181

Candidate Starts for Flutur_40:

(Start: 181 @29934 has 918 MA's), (213, 29982), (311, 30231), (345, 30321), (440, 30528), (443, 30537), (484, 30627), (489, 30636), (494, 30651), (516, 30696), (539, 30741), (560, 30789), (586, 30846), (619, 30927), (643, 31014), (649, 31047), (660, 31077), (677, 31134), (692, 31200), (703, 31224), (726, 31293), (750, 31365), (799, 31473), (828, 31536), (832, 31560), (868, 31671), (874, 31695), (879, 31704),

Gene: Flux_45 Start: 31569, Stop: 29743, Start Num: 181

Candidate Starts for Flux_45:

(Start: 181 @31569 has 918 MA's), (195, 31548), (214, 31518), (224, 31488), (291, 31326), (298, 31308), (323, 31236), (328, 31227), (370, 31107), (378, 31083), (438, 30990), (460, 30942), (472, 30921), (489, 30882), (549, 30750), (560, 30729), (583, 30684), (586, 30672), (646, 30519), (649, 30498), (685, 30375), (692, 30345), (706, 30306), (728, 30240), (729, 30237), (733, 30222), (739, 30198), (750, 30174), (832, 29967), (874, 29832), (880, 29820), (884, 29811),

Gene: FlyCatcher_47 Start: 33412, Stop: 31577, Start Num: 181

Candidate Starts for FlyCatcher_47:

(Start: 181 @33412 has 918 MA's), (195, 33391), (236, 33301), (294, 33163), (318, 33085), (323, 33079), (378, 32926), (434, 32842), (438, 32830), (455, 32785), (460, 32782), (489, 32722), (510, 32671), (517, 32659), (560, 32569), (583, 32524), (618, 32455), (628, 32413), (646, 32353), (649, 32332), (665, 32284), (680, 32236), (685, 32209), (686, 32206), (692, 32179), (706, 32140), (729, 32071), (739, 32032), (757, 31990), (758, 31987), (767, 31957), (816, 31861), (825, 31834), (836, 31786), (837, 31783), (874, 31666), (880, 31654), (884, 31645),

Gene: ForGetIt_38 Start: 30371, Stop: 28527, Start Num: 181

Candidate Starts for ForGetIt_38:

(Start: 181 @30371 has 918 MA's), (214, 30320), (236, 30260), (261, 30197), (273, 30167), (275, 30164), (299, 30107), (302, 30095), (311, 30065), (323, 30038), (360, 29936), (366, 29921), (378, 29885), (422, 29825), (438, 29789), (458, 29741), (497, 29657), (499, 29651), (537, 29579), (549, 29546), (555, 29531), (562, 29519), (614, 29420), (649, 29285), (660, 29255), (665, 29237), (667, 29234), (677, 29198), (680, 29189), (683, 29168), (686, 29159), (692, 29132), (693, 29129), (722, 29072), (728, 29051), (767, 28934), (796, 28880), (801, 28871), (816, 28853), (837, 28775), (858, 28718), (868, 28682), (874, 28658), (880, 28646),

Gene: ForesterFrank_44 Start: 32372, Stop: 30585, Start Num: 181

Candidate Starts for ForesterFrank_44:

(Start: 181 @32372 has 918 MA's), (273, 32168), (275, 32165), (277, 32159), (286, 32144), (291, 32129), (302, 32096), (303, 32093), (311, 32066), (323, 32039), (332, 32018), (341, 31988), (378, 31886), (438, 31793), (458, 31745), (466, 31736), (472, 31721), (499, 31655), (539, 31574), (560, 31526), (649, 31301), (667, 31250), (676, 31217), (677, 31214), (692, 31148), (706, 31109), (722, 31088), (745, 31013), (750, 31001), (767, 30950), (782, 30923), (801, 30887), (828, 30833), (832, 30809), (855, 30752), (859, 30731), (874, 30674), (880, 30662), (884, 30653), (885, 30650),

Gene: Forsytheast_44 Start: 34479, Stop: 32653, Start Num: 181

Candidate Starts for Forsytheast_44:

(Start: 181 @34479 has 918 MA's), (277, 34266), (285, 34251), (311, 34173), (318, 34152), (323, 34146), (328, 34137), (369, 34020), (378, 33993), (438, 33900), (443, 33885), (451, 33864), (458, 33852), (483, 33801), (484, 33798), (514, 33732), (530, 33702), (542, 33672), (562, 33627), (583, 33588), (649, 33408), (665, 33360), (677, 33321), (692, 33255), (706, 33216), (722, 33195), (728, 33174), (733, 33156), (757, 33090), (828, 32940), (829, 32937), (836, 32901), (846, 32877), (852, 32868), (856, 32856), (874, 32781), (884, 32760),

Gene: Forza_174 Start: 99637, Stop: 97856, Start Num: 183

Candidate Starts for Forza_174:

(Start: 183 @99637 has 4 MA's), (214, 99592), (Start: 223 @99565 has 1 MA's), (259, 99472), (289, 99412), (290, 99409), (294, 99400), (301, 99376), (314, 99334), (315, 99331), (335, 99286), (358, 99244), (376, 99190), (438, 99106), (476, 99022), (489, 98995), (494, 98980), (572, 98821), (583, 98797), (587, 98782), (595, 98773), (632, 98686), (641, 98659), (642, 98656), (646, 98635), (649, 98614), (666, 98563), (689, 98479), (694, 98452), (704, 98419), (716, 98377), (754, 98266), (763, 98239), (780, 98203), (784, 98194), (785, 98191), (790, 98182), (833, 98062), (839, 98041), (842, 98035), (857, 98002), (860, 97984), (862, 97978), (870, 97945), (874, 97930), (885, 97906), (887, 97903), (894, 97879),

Gene: Francis47_44 Start: 35450, Stop: 33624, Start Num: 181

Candidate Starts for Francis47_44:

(Start: 181 @35450 has 918 MA's), (277, 35237), (285, 35222), (311, 35144), (318, 35123), (323, 35117), (328, 35108), (369, 34991), (378, 34964), (438, 34871), (443, 34856), (458, 34823), (483, 34772), (484, 34769), (514, 34703), (530, 34673), (542, 34643), (562, 34598), (583, 34559), (649, 34379), (660, 34349), (665, 34331), (667, 34328), (677, 34292), (692, 34226), (728, 34145), (729, 34142), (757, 34061), (822, 33926), (828, 33911), (829, 33908), (836, 33872), (846, 33848), (852, 33839), (856, 33827), (862, 33800), (874, 33752), (884, 33731),

Gene: Frankenweenie_74 Start: 49485, Stop: 47518, Start Num: 231

Candidate Starts for Frankenweenie_74:

(212, 49545), (Start: 231 @49485 has 7 MA's), (268, 49389), (300, 49317), (310, 49281), (314, 49269), (328, 49215), (343, 49167), (371, 49089), (387, 49041), (408, 48948), (412, 48936), (422, 48900), (428, 48885), (436, 48858), (444, 48831), (478, 48750), (494, 48705), (507, 48669), (535, 48618), (615, 48384), (622, 48357), (642, 48294), (656, 48234), (671, 48189), (686, 48123), (693, 48093), (696, 48072), (698, 48066), (761, 47904), (766, 47886), (801, 47832), (839, 47715), (845, 47703),

(852, 47694), (856, 47682), (859, 47664), (872, 47616),

Gene: Franklin22_41 Start: 28031, Stop: 29905, Start Num: 171

Candidate Starts for Franklin22_41:

(Start: 168 @28028 has 7 MA's), (Start: 171 @28031 has 61 MA's), (Start: 219 @28100 has 1 MA's),
(273, 28238), (328, 28367), (333, 28382), (366, 28463), (489, 28703), (494, 28718), (506, 28748),
(549, 28838), (613, 29012), (635, 29090), (649, 29150), (686, 29276), (692, 29303), (726, 29396),
(750, 29468), (793, 29567), (795, 29570), (796, 29573), (855, 29720), (858, 29738), (874, 29798),
(884, 29819), (892, 29843), (910, 29888),

Gene: Fred313_45 Start: 31127, Stop: 29289, Start Num: 181

Candidate Starts for Fred313_45:

(133, 31199), (Start: 181 @31127 has 918 MA's), (214, 31076), (273, 30923), (299, 30863), (302,
30851), (323, 30794), (328, 30785), (332, 30773), (370, 30665), (378, 30641), (438, 30545), (460,
30497), (489, 30437), (517, 30374), (549, 30305), (560, 30284), (595, 30215), (598, 30209), (618,
30170), (649, 30047), (677, 29960), (685, 29924), (692, 29894), (704, 29864), (729, 29783), (739,
29744), (750, 29720), (757, 29702), (816, 29573), (832, 29513), (874, 29378), (880, 29366), (884,
29357),

Gene: Fribs8_39 Start: 31749, Stop: 29392, Start Num: 26

Candidate Starts for Fribs8_39:

(Start: 26 @31749 has 25 MA's), (31, 31734), (34, 31698), (58, 31563), (73, 31500), (94, 31458), (99,
31446), (161, 31344), (214, 31266), (238, 31206), (284, 31113), (296, 31083), (312, 31029), (335,
30987), (357, 30924), (407, 30789), (427, 30729), (433, 30711), (456, 30645), (492, 30609), (570,
30516), (596, 30471), (614, 30444), (618, 30432), (621, 30420), (653, 30279), (682, 30159), (689,
30135), (692, 30117), (694, 30108), (705, 30081), (707, 30075), (709, 30069), (711, 30063), (718,
30039), (729, 30006), (735, 29982), (745, 29937), (768, 29871), (817, 29763), (835, 29694), (848,
29658), (867, 29583), (868, 29580), (874, 29556), (896, 29487), (922, 29424),

Gene: Froghopper_43 Start: 34120, Stop: 32291, Start Num: 181

Candidate Starts for Froghopper_43:

(Start: 181 @34120 has 918 MA's), (277, 33907), (285, 33892), (302, 33844), (311, 33814), (318,
33793), (323, 33787), (328, 33778), (369, 33661), (378, 33634), (438, 33541), (443, 33526), (483,
33442), (484, 33439), (514, 33373), (530, 33343), (542, 33313), (562, 33268), (583, 33229), (649,
33049), (665, 33001), (680, 32953), (689, 32914), (692, 32896), (706, 32857), (722, 32836), (728,
32815), (732, 32800), (779, 32677), (853, 32506), (858, 32482), (871, 32434), (874, 32422), (884,
32401), (887, 32395), (903, 32347), (908, 32332),

Gene: FrostedClock_102 Start: 78647, Stop: 80443, Start Num: 190

Candidate Starts for FrostedClock_102:

(188, 78644), (Start: 190 @78647 has 7 MA's), (213, 78680), (238, 78749), (259, 78803), (312, 78935),
(326, 78959), (335, 78986), (338, 78992), (369, 79061), (381, 79097), (476, 79244), (479, 79250),
(489, 79271), (494, 79286), (583, 79475), (608, 79520), (620, 79553), (624, 79571), (634, 79604),
(646, 79643), (649, 79664), (650, 79670), (683, 79784), (705, 79868), (707, 79874), (711, 79886),
(726, 79934), (730, 79946), (739, 79982), (754, 80015), (757, 80024), (774, 80069), (783, 80087),
(820, 80171), (828, 80192), (833, 80219), (837, 80234), (853, 80267), (858, 80291), (864, 80315),
(874, 80351), (884, 80378),

Gene: Fudan_141 Start: 73963, Stop: 75999, Start Num: 198

Candidate Starts for Fudan_141:

(Start: 198 @73963 has 6 MA's), (228, 74029), (234, 74053), (249, 74104), (251, 74107), (255, 74119),
(268, 74152), (299, 74221), (338, 74356), (349, 74392), (397, 74512), (430, 74566), (431, 74569),
(450, 74620), (455, 74632), (489, 74701), (497, 74722), (523, 74770), (526, 74779), (651, 75157),

(679, 75274), (682, 75292), (711, 75388), (724, 75424), (742, 75493), (748, 75502), (750, 75508), (802, 75646), (808, 75661), (814, 75676), (836, 75760), (837, 75763), (857, 75835), (874, 75907), (892, 75952), (895, 75961), (897, 75967),

Gene: Fulton_37 Start: 26991, Stop: 25126, Start Num: 209

Candidate Starts for Fulton_37:

(Start: 209 @26991 has 41 MA's), (214, 26985), (253, 26886), (255, 26877), (267, 26853), (275, 26838), (277, 26832), (300, 26781), (302, 26778), (338, 26697), (358, 26637), (393, 26547), (398, 26544), (427, 26445), (435, 26418), (437, 26415), (440, 26403), (451, 26373), (461, 26352), (480, 26316), (568, 26169), (618, 26067), (642, 25989), (685, 25809), (692, 25779), (711, 25725), (718, 25707), (735, 25650), (743, 25623), (755, 25581), (767, 25542), (802, 25461), (804, 25452), (829, 25392), (833, 25368), (836, 25356), (839, 25347), (846, 25329), (857, 25296), (874, 25224),

Gene: Funston_44 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Funston_44:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Fushigi_43 Start: 32768, Stop: 30939, Start Num: 181

Candidate Starts for Fushigi_43:

(Start: 181 @32768 has 918 MA's), (277, 32555), (285, 32540), (311, 32462), (318, 32441), (323, 32435), (328, 32426), (369, 32309), (378, 32282), (438, 32189), (443, 32174), (458, 32141), (483, 32090), (484, 32087), (506, 32033), (514, 32021), (530, 31991), (542, 31961), (562, 31916), (583, 31877), (649, 31697), (665, 31649), (680, 31601), (689, 31562), (692, 31544), (706, 31505), (722, 31484), (728, 31463), (732, 31448), (779, 31325), (853, 31154), (858, 31130), (871, 31082), (874, 31070), (884, 31049), (887, 31043), (903, 30995), (908, 30980),

Gene: GMA2_66 Start: 70128, Stop: 68344, Start Num: 181

Candidate Starts for GMA2_66:

(Start: 181 @70128 has 918 MA's), (197, 70104), (238, 70014), (273, 69927), (290, 69897), (295, 69885), (314, 69822), (315, 69819), (335, 69774), (336, 69771), (338, 69768), (376, 69678), (381, 69663), (420, 69633), (438, 69594), (452, 69558), (476, 69510), (489, 69483), (494, 69468), (540, 69375), (572, 69309), (583, 69285), (646, 69126), (649, 69105), (691, 68958), (694, 68943), (703, 68913), (716, 68865), (717, 68862), (729, 68826), (741, 68781), (748, 68769), (754, 68754), (767, 68712), (785, 68679), (816, 68613), (828, 68577), (842, 68523), (846, 68514), (857, 68490), (874, 68418), (887, 68391), (894, 68367),

Gene: GMonster_42 Start: 33424, Stop: 31598, Start Num: 181

Candidate Starts for GMonster_42:

(Start: 181 @33424 has 918 MA's), (277, 33211), (285, 33196), (302, 33148), (311, 33118), (318, 33097), (323, 33091), (328, 33082), (369, 32965), (378, 32938), (438, 32845), (443, 32830), (458, 32797), (483, 32746), (484, 32743), (514, 32677), (530, 32647), (542, 32617), (562, 32572), (583, 32533), (649, 32353), (665, 32305), (677, 32266), (692, 32200), (706, 32161), (722, 32140), (728, 32119), (733, 32101), (757, 32035), (828, 31885), (829, 31882), (836, 31846), (846, 31822), (852, 31813), (856, 31801), (874, 31726), (884, 31705),

Gene: GTE2_35 Start: 32210, Stop: 29823, Start Num: 20

Candidate Starts for GTE2_35:

(Start: 20 @32210 has 19 MA's), (36, 32147), (49, 32090), (69, 31967), (73, 31943), (Start: 142 @31811 has 1 MA's), (164, 31784), (238, 31646), (274, 31568), (296, 31520), (312, 31466), (313,

31463), (329, 31445), (335, 31424), (340, 31409), (351, 31373), (355, 31364), (357, 31361), (404, 31241), (422, 31181), (427, 31166), (456, 31082), (496, 31037), (519, 31013), (542, 31007), (552, 30983), (556, 30974), (590, 30905), (596, 30902), (598, 30899), (648, 30752), (659, 30683), (661, 30677), (672, 30641), (692, 30548), (694, 30539), (705, 30512), (707, 30506), (709, 30500), (711, 30494), (718, 30470), (729, 30437), (733, 30422), (735, 30413), (745, 30368), (766, 30308), (776, 30275), (829, 30155), (837, 30116), (838, 30113), (874, 29987), (889, 29942), (891, 29933), (911, 29873),

Gene: Gachnar_45 Start: 34206, Stop: 32377, Start Num: 181

Candidate Starts for Gachnar_45:

(Start: 181 @34206 has 918 MA's), (277, 33993), (285, 33978), (311, 33900), (318, 33879), (323, 33873), (328, 33864), (369, 33747), (378, 33720), (438, 33627), (443, 33612), (483, 33528), (484, 33525), (514, 33459), (542, 33399), (562, 33354), (583, 33315), (649, 33135), (665, 33087), (680, 33039), (689, 33000), (692, 32982), (706, 32943), (722, 32922), (728, 32901), (732, 32886), (779, 32763), (853, 32592), (858, 32568), (871, 32520), (874, 32508), (884, 32487), (887, 32481), (903, 32433), (908, 32418),

Gene: Gack_40 Start: 28093, Stop: 29955, Start Num: 171

Candidate Starts for Gack_40:

(135, 28039), (Start: 171 @28093 has 61 MA's), (195, 28114), (Start: 219 @28162 has 1 MA's), (328, 28429), (333, 28444), (366, 28525), (489, 28765), (594, 29017), (635, 29140), (649, 29200), (667, 29251), (686, 29326), (692, 29353), (726, 29446), (793, 29617), (795, 29620), (796, 29623), (829, 29692), (855, 29770), (874, 29848), (884, 29869), (892, 29893), (910, 29938),

Gene: Gadost_45 Start: 31574, Stop: 29748, Start Num: 181

Candidate Starts for Gadost_45:

(Start: 181 @31574 has 918 MA's), (195, 31553), (214, 31523), (224, 31493), (291, 31331), (298, 31313), (323, 31241), (328, 31232), (370, 31112), (378, 31088), (438, 30995), (460, 30947), (472, 30926), (489, 30887), (549, 30755), (560, 30734), (583, 30689), (586, 30677), (646, 30524), (649, 30503), (685, 30380), (692, 30350), (706, 30311), (728, 30245), (729, 30242), (733, 30227), (739, 30203), (750, 30179), (832, 29972), (874, 29837), (880, 29825), (884, 29816),

Gene: GaeCeo_39 Start: 29207, Stop: 27342, Start Num: 207

Candidate Starts for GaeCeo_39:

(Start: 207 @29207 has 19 MA's), (Start: 219 @29183 has 1 MA's), (276, 29051), (302, 28994), (329, 28940), (335, 28919), (338, 28913), (410, 28712), (437, 28628), (440, 28616), (451, 28586), (461, 28565), (468, 28553), (480, 28529), (496, 28484), (561, 28397), (582, 28352), (584, 28337), (630, 28235), (680, 28052), (689, 28013), (692, 27995), (707, 27953), (712, 27938), (735, 27866), (829, 27608), (833, 27584), (844, 27551), (874, 27440),

Gene: GageAP_45 Start: 34414, Stop: 32588, Start Num: 181

Candidate Starts for GageAP_45:

(Start: 181 @34414 has 918 MA's), (213, 34366), (277, 34201), (285, 34186), (311, 34108), (318, 34087), (323, 34081), (328, 34072), (369, 33955), (378, 33928), (438, 33835), (443, 33820), (483, 33736), (484, 33733), (514, 33667), (530, 33637), (542, 33607), (562, 33562), (583, 33523), (649, 33343), (660, 33313), (665, 33295), (667, 33292), (677, 33256), (692, 33190), (728, 33109), (729, 33106), (757, 33025), (828, 32875), (829, 32872), (836, 32836), (846, 32812), (852, 32803), (856, 32791), (874, 32716), (884, 32695),

Gene: Gail_49 Start: 33012, Stop: 31219, Start Num: 181

Candidate Starts for Gail_49:

(114, 33114), (Start: 181 @33012 has 918 MA's), (187, 33003), (Start: 209 @32970 has 41 MA's), (236, 32901), (273, 32808), (302, 32733), (303, 32730), (311, 32703), (323, 32676), (341, 32625),

(370, 32547), (378, 32523), (438, 32430), (455, 32385), (499, 32292), (514, 32262), (583, 32115), (616, 32064), (628, 32016), (649, 31935), (674, 31869), (685, 31812), (692, 31782), (728, 31701), (767, 31584), (782, 31557), (828, 31467), (855, 31386), (859, 31365), (862, 31356), (874, 31308), (880, 31296), (884, 31287), (885, 31284),

Gene: GalaxyEater_37 Start: 33523, Stop: 31730, Start Num: 218

Candidate Starts for GalaxyEater_37:

(143, 33643), (149, 33631), (Start: 218 @33523 has 1 MA's), (258, 33421), (263, 33403), (337, 33217), (339, 33214), (348, 33196), (358, 33178), (371, 33151), (379, 33127), (413, 33088), (427, 33061), (432, 33046), (448, 32995), (450, 32989), (484, 32911), (489, 32902), (587, 32683), (601, 32662), (707, 32281), (740, 32197), (748, 32182), (750, 32176), (757, 32158), (800, 32068), (836, 31963), (853, 31921), (855, 31915), (857, 31909), (864, 31873), (872, 31846), (874, 31837),

Gene: Gambol_39 Start: 27611, Stop: 29593, Start Num: 181

Candidate Starts for Gambol_39:

(Start: 181 @27611 has 918 MA's), (261, 27785), (293, 27848), (303, 27881), (332, 27956), (420, 28184), (489, 28358), (560, 28514), (619, 28652), (643, 28739), (649, 28772), (660, 28802), (677, 28859), (692, 28925), (726, 29018), (832, 29285), (839, 29309), (874, 29420), (919, 29528),

Gene: Gandalf20_46 Start: 35478, Stop: 33652, Start Num: 181

Candidate Starts for Gandalf20_46:

(Start: 181 @35478 has 918 MA's), (277, 35265), (302, 35202), (311, 35172), (318, 35151), (323, 35145), (328, 35136), (369, 35019), (378, 34992), (438, 34899), (443, 34884), (451, 34863), (458, 34851), (483, 34800), (484, 34797), (514, 34731), (530, 34701), (542, 34671), (562, 34626), (583, 34587), (649, 34407), (665, 34359), (677, 34320), (692, 34254), (706, 34215), (722, 34194), (728, 34173), (733, 34155), (757, 34089), (828, 33939), (829, 33936), (836, 33900), (846, 33876), (852, 33867), (856, 33855), (862, 33828), (874, 33780), (884, 33759),

Gene: Garak_47 Start: 29791, Stop: 27950, Start Num: 181

Candidate Starts for Garak_47:

(Start: 181 @29791 has 918 MA's), (273, 29587), (302, 29512), (303, 29509), (311, 29482), (316, 29467), (323, 29455), (341, 29404), (374, 29314), (378, 29302), (438, 29209), (453, 29170), (466, 29152), (472, 29137), (499, 29071), (516, 29038), (517, 29035), (564, 28933), (595, 28873), (628, 28789), (649, 28708), (676, 28624), (677, 28621), (680, 28612), (685, 28585), (692, 28555), (722, 28495), (733, 28456), (828, 28240), (829, 28237), (832, 28216), (874, 28081), (880, 28069), (884, 28060), (885, 28057), (923, 27964),

Gene: GardenB_38 Start: 29033, Stop: 27168, Start Num: 211

Candidate Starts for GardenB_38:

(Start: 211 @29033 has 115 MA's), (Start: 215 @29024 has 5 MA's), (277, 28874), (330, 28760), (335, 28745), (338, 28739), (406, 28553), (410, 28541), (434, 28466), (437, 28457), (440, 28445), (450, 28418), (451, 28415), (458, 28400), (461, 28394), (466, 28388), (480, 28358), (496, 28313), (584, 28166), (630, 28064), (639, 28043), (685, 27851), (688, 27842), (689, 27839), (692, 27821), (707, 27779), (712, 27764), (735, 27692), (787, 27533), (802, 27503), (829, 27434), (833, 27410), (846, 27371), (857, 27338), (858, 27326),

Gene: GardenState_48 Start: 31425, Stop: 33290, Start Num: 180

Candidate Starts for GardenState_48:

(Start: 180 @31425 has 21 MA's), (311, 31722), (345, 31812), (489, 32127), (539, 32232), (542, 32241), (560, 32280), (588, 32343), (649, 32538), (672, 32601), (683, 32655), (685, 32661), (693, 32694), (725, 32781), (748, 32850), (758, 32877), (874, 33186),

Gene: Garey24_38 Start: 28589, Stop: 26733, Start Num: 215

Candidate Starts for Garey24_38:

(Start: 140 @28685 has 3 MA's), (Start: 211 @28598 has 115 MA's), (Start: 215 @28589 has 5 MA's), (255, 28484), (259, 28475), (275, 28445), (276, 28442), (332, 28322), (335, 28310), (338, 28304), (374, 28199), (384, 28172), (434, 28031), (435, 28025), (437, 28022), (440, 28010), (450, 27983), (451, 27980), (458, 27965), (461, 27959), (466, 27953), (481, 27920), (561, 27791), (584, 27731), (685, 27416), (688, 27407), (689, 27404), (692, 27386), (707, 27344), (709, 27338), (712, 27329), (718, 27314), (735, 27257), (787, 27098), (802, 27068), (804, 27059), (829, 26999), (833, 26975), (846, 26936), (857, 26903), (858, 26891), (874, 26831),

Gene: Gargoyle_39 Start: 28930, Stop: 27074, Start Num: 215

Candidate Starts for Gargoyle_39:

(Start: 140 @29026 has 3 MA's), (Start: 142 @29023 has 1 MA's), (Start: 211 @28939 has 115 MA's), (Start: 215 @28930 has 5 MA's), (255, 28825), (259, 28816), (275, 28786), (276, 28783), (330, 28666), (335, 28651), (338, 28645), (374, 28540), (384, 28513), (434, 28372), (437, 28363), (440, 28351), (450, 28324), (451, 28321), (458, 28306), (461, 28300), (466, 28294), (481, 28261), (584, 28072), (617, 28018), (622, 27997), (685, 27757), (688, 27748), (689, 27745), (692, 27727), (707, 27685), (709, 27679), (718, 27655), (735, 27598), (787, 27439), (802, 27409), (804, 27400), (829, 27340), (833, 27316), (846, 27277), (857, 27244), (858, 27232), (874, 27172),

Gene: Garnacho_133 Start: 73578, Stop: 75614, Start Num: 198

Candidate Starts for Garnacho_133:

(Start: 198 @73578 has 6 MA's), (234, 73668), (249, 73719), (251, 73722), (255, 73734), (268, 73767), (299, 73836), (309, 73878), (324, 73932), (349, 74007), (360, 74034), (397, 74127), (430, 74181), (431, 74184), (450, 74235), (455, 74247), (489, 74316), (497, 74337), (523, 74385), (651, 74772), (679, 74889), (682, 74907), (721, 75027), (724, 75039), (739, 75099), (742, 75108), (748, 75117), (750, 75123), (794, 75243), (808, 75276), (814, 75291), (819, 75303), (836, 75375), (837, 75378), (874, 75522), (895, 75576), (897, 75582),

Gene: GaugeLDP_43 Start: 31738, Stop: 29948, Start Num: 181

Candidate Starts for GaugeLDP_43:

(Start: 181 @31738 has 918 MA's), (273, 31534), (302, 31459), (303, 31456), (311, 31429), (316, 31414), (323, 31402), (374, 31261), (378, 31249), (438, 31156), (440, 31150), (458, 31108), (466, 31099), (472, 31084), (499, 31018), (539, 30937), (549, 30910), (560, 30889), (583, 30844), (618, 30787), (649, 30664), (676, 30580), (685, 30541), (692, 30511), (706, 30472), (728, 30430), (828, 30196), (859, 30094), (874, 30037), (880, 30025), (884, 30016),

Gene: Gelo_38 Start: 28622, Stop: 26757, Start Num: 211

Candidate Starts for Gelo_38:

(Start: 140 @28709 has 3 MA's), (Start: 211 @28622 has 115 MA's), (Start: 215 @28613 has 5 MA's), (255, 28508), (259, 28499), (275, 28469), (276, 28466), (332, 28346), (335, 28334), (338, 28328), (374, 28223), (384, 28196), (434, 28055), (435, 28049), (437, 28046), (440, 28034), (450, 28007), (451, 28004), (458, 27989), (461, 27983), (466, 27977), (481, 27944), (561, 27815), (584, 27755), (685, 27440), (688, 27431), (689, 27428), (692, 27410), (707, 27368), (709, 27362), (718, 27338), (735, 27281), (787, 27122), (802, 27092), (804, 27083), (829, 27023), (833, 26999), (846, 26960), (857, 26927), (858, 26915), (874, 26855),

Gene: Gemma_47 Start: 31749, Stop: 29935, Start Num: 181

Candidate Starts for Gemma_47:

(Start: 181 @31749 has 918 MA's), (206, 31710), (214, 31698), (273, 31545), (281, 31530), (302, 31473), (323, 31416), (328, 31407), (341, 31365), (360, 31314), (378, 31263), (438, 31170), (458, 31122), (472, 31098), (489, 31059), (499, 31032), (514, 31002), (555, 30909), (562, 30897), (584, 30849), (595, 30834), (649, 30678), (667, 30627), (676, 30594), (677, 30591), (692, 30525), (706, 30486), (729, 30414), (739, 30375), (750, 30351), (757, 30333), (767, 30300), (816, 30219), (832,

30159), (837, 30141), (859, 30081), (862, 30072), (874, 30024), (880, 30012), (884, 30003),

Gene: George_38 Start: 30595, Stop: 28730, Start Num: 181

Candidate Starts for George_38:

(Start: 181 @30595 has 918 MA's), (214, 30544), (236, 30484), (261, 30421), (273, 30391), (275, 30388), (299, 30331), (302, 30319), (311, 30289), (323, 30262), (378, 30109), (438, 30013), (458, 29965), (497, 29881), (499, 29875), (537, 29803), (549, 29770), (555, 29755), (562, 29743), (614, 29644), (649, 29509), (660, 29479), (665, 29461), (674, 29443), (677, 29422), (680, 29413), (692, 29356), (706, 29317), (722, 29296), (728, 29275), (750, 29209), (767, 29158), (796, 29104), (801, 29095), (816, 29077), (832, 29017), (837, 28999), (868, 28906), (874, 28882), (880, 28870), (923, 28765),

Gene: Georgie2_45 Start: 31311, Stop: 29524, Start Num: 181

Candidate Starts for Georgie2_45:

(67, 31566), (Start: 181 @31311 has 918 MA's), (273, 31107), (275, 31104), (277, 31098), (286, 31083), (291, 31068), (302, 31035), (303, 31032), (311, 31005), (323, 30978), (332, 30957), (341, 30927), (378, 30825), (438, 30732), (458, 30684), (466, 30675), (472, 30660), (499, 30594), (539, 30513), (560, 30465), (562, 30459), (595, 30396), (628, 30321), (649, 30240), (667, 30189), (676, 30156), (677, 30153), (692, 30087), (706, 30048), (722, 30027), (745, 29952), (753, 29934), (767, 29889), (782, 29862), (801, 29826), (813, 29814), (816, 29808), (828, 29772), (832, 29748), (859, 29670), (874, 29613), (880, 29601), (884, 29592),

Gene: Gerri43_41 Start: 28660, Stop: 26870, Start Num: 167

Candidate Starts for Gerri43_41:

(129, 28720), (146, 28696), (Start: 158 @28675 has 13 MA's), (167, 28660), (Start: 174 @28651 has 2 MA's), (Start: 232 @28528 has 11 MA's), (252, 28480), (312, 28342), (314, 28336), (335, 28288), (371, 28207), (373, 28201), (381, 28177), (438, 28108), (476, 28027), (489, 28000), (494, 27985), (525, 27922), (550, 27865), (562, 27841), (565, 27835), (583, 27799), (603, 27763), (634, 27691), (646, 27649), (650, 27622), (681, 27526), (686, 27502), (692, 27475), (706, 27436), (730, 27361), (754, 27292), (769, 27244), (782, 27223), (807, 27169), (815, 27154), (833, 27088), (855, 27031), (859, 27010), (860, 27007), (864, 26989), (869, 26974),

Gene: Gershwin_38 Start: 28632, Stop: 26767, Start Num: 211

Candidate Starts for Gershwin_38:

(Start: 140 @28719 has 3 MA's), (Start: 211 @28632 has 115 MA's), (Start: 215 @28623 has 5 MA's), (255, 28518), (259, 28509), (275, 28479), (276, 28476), (332, 28356), (335, 28344), (338, 28338), (374, 28233), (384, 28206), (434, 28065), (435, 28059), (437, 28056), (440, 28044), (450, 28017), (451, 28014), (458, 27999), (461, 27993), (466, 27987), (481, 27954), (561, 27825), (584, 27765), (685, 27450), (688, 27441), (689, 27438), (692, 27420), (707, 27378), (709, 27372), (718, 27348), (735, 27291), (787, 27132), (802, 27102), (804, 27093), (829, 27033), (833, 27009), (846, 26970), (857, 26937), (858, 26925), (874, 26865),

Gene: Ghoulboy_40 Start: 31108, Stop: 29243, Start Num: 181

Candidate Starts for Ghoulboy_40:

(Start: 181 @31108 has 918 MA's), (214, 31057), (236, 30997), (261, 30934), (273, 30904), (275, 30901), (299, 30844), (311, 30802), (323, 30775), (378, 30622), (438, 30526), (450, 30493), (458, 30478), (497, 30394), (499, 30388), (516, 30355), (555, 30268), (562, 30256), (583, 30217), (614, 30157), (649, 30022), (660, 29992), (665, 29974), (676, 29938), (677, 29935), (692, 29869), (706, 29830), (728, 29788), (733, 29770), (750, 29722), (753, 29716), (767, 29671), (796, 29617), (801, 29608), (816, 29590), (837, 29512), (858, 29455), (868, 29419), (874, 29395), (880, 29383), (933, 29251),

Gene: GiJojo_132 Start: 75350, Stop: 77386, Start Num: 198

Candidate Starts for GiJojo_132:

(95, 75179), (Start: 198 @75350 has 6 MA's), (228, 75416), (234, 75440), (251, 75494), (255, 75506), (268, 75539), (299, 75608), (346, 75770), (349, 75779), (397, 75899), (430, 75953), (431, 75956), (450, 76007), (455, 76019), (480, 76067), (489, 76088), (497, 76109), (523, 76157), (532, 76175), (640, 76481), (651, 76544), (679, 76661), (682, 76679), (721, 76799), (724, 76811), (739, 76871), (742, 76880), (748, 76889), (802, 77033), (808, 77048), (814, 77063), (836, 77147), (837, 77150), (841, 77168), (874, 77294), (897, 77354),

Gene: GiKK_48 Start: 33132, Stop: 30748, Start Num: 26

Candidate Starts for GiKK_48:

(Start: 26 @33132 has 25 MA's), (49, 33018), (52, 32988), (69, 32904), (73, 32880), (99, 32826), (164, 32721), (Start: 172 @32706 has 3 MA's), (204, 32658), (238, 32583), (239, 32577), (240, 32571), (242, 32565), (274, 32496), (287, 32472), (296, 32448), (313, 32391), (329, 32373), (335, 32352), (391, 32205), (427, 32091), (446, 32034), (454, 32013), (456, 32007), (552, 31914), (558, 31902), (596, 31830), (618, 31788), (621, 31776), (653, 31635), (656, 31611), (672, 31560), (692, 31467), (705, 31431), (707, 31425), (709, 31419), (711, 31413), (729, 31356), (733, 31341), (735, 31332), (787, 31173), (797, 31152), (817, 31113), (829, 31074), (832, 31053), (838, 31032), (842, 31020), (851, 31002), (865, 30939), (867, 30933), (874, 30906), (880, 30882), (889, 30861), (922, 30774),

Gene: Gibbous_38 Start: 31347, Stop: 28987, Start Num: 26

Candidate Starts for Gibbous_38:

(19, 31371), (Start: 26 @31347 has 25 MA's), (31, 31332), (34, 31296), (69, 31125), (73, 31101), (Start: 215 @30864 has 5 MA's), (238, 30807), (255, 30768), (265, 30747), (296, 30681), (312, 30627), (329, 30606), (335, 30585), (407, 30387), (421, 30345), (427, 30327), (433, 30309), (448, 30264), (455, 30246), (456, 30243), (492, 30207), (570, 30114), (596, 30069), (614, 30042), (618, 30030), (621, 30018), (653, 29877), (672, 29808), (682, 29757), (689, 29733), (692, 29715), (694, 29706), (705, 29679), (707, 29673), (709, 29667), (711, 29661), (729, 29604), (735, 29580), (745, 29535), (746, 29532), (768, 29469), (817, 29361), (835, 29292), (838, 29280), (848, 29256), (867, 29181), (868, 29178), (874, 29154), (880, 29130), (889, 29109), (896, 29085), (911, 29040), (922, 29022),

Gene: Gilberta_45 Start: 30767, Stop: 28980, Start Num: 181

Candidate Starts for Gilberta_45:

(Start: 181 @30767 has 918 MA's), (273, 30563), (302, 30491), (311, 30461), (323, 30434), (440, 30182), (466, 30131), (499, 30050), (523, 30005), (586, 29864), (617, 29822), (628, 29777), (649, 29696), (667, 29645), (677, 29609), (692, 29543), (722, 29483), (725, 29471), (760, 29369), (767, 29345), (777, 29327), (816, 29264), (825, 29237), (828, 29228), (832, 29204), (874, 29069), (880, 29057), (884, 29048),

Gene: GingkoMaracino_48 Start: 31739, Stop: 29925, Start Num: 181

Candidate Starts for GingkoMaracino_48:

(Start: 181 @31739 has 918 MA's), (206, 31700), (214, 31688), (273, 31535), (281, 31520), (302, 31463), (323, 31406), (328, 31397), (341, 31355), (360, 31304), (378, 31253), (438, 31160), (458, 31112), (466, 31103), (472, 31088), (489, 31049), (499, 31022), (514, 30992), (555, 30899), (562, 30887), (584, 30839), (595, 30824), (649, 30668), (665, 30620), (677, 30581), (692, 30515), (706, 30476), (729, 30404), (739, 30365), (750, 30341), (757, 30323), (767, 30290), (782, 30263), (816, 30209), (832, 30149), (859, 30071), (874, 30014), (880, 30002), (884, 29993),

Gene: Giorgio_37 Start: 27527, Stop: 29509, Start Num: 181

Candidate Starts for Giorgio_37:

(Start: 181 @27527 has 918 MA's), (261, 27701), (273, 27731), (293, 27764), (303, 27797), (332, 27872), (340, 27899), (377, 28001), (420, 28100), (489, 28274), (499, 28301), (560, 28430), (619, 28568), (643, 28655), (649, 28688), (660, 28718), (677, 28775), (692, 28841), (726, 28934), (756, 29021), (832, 29201), (839, 29225), (874, 29336), (919, 29444),

Gene: Giroux_47 Start: 31554, Stop: 29716, Start Num: 181

Candidate Starts for Giroux_47:

(Start: 181 @31554 has 918 MA's), (214, 31503), (238, 31437), (273, 31350), (299, 31290), (302, 31278), (323, 31221), (328, 31212), (370, 31092), (378, 31068), (438, 30972), (460, 30924), (489, 30864), (517, 30801), (549, 30732), (560, 30711), (596, 30639), (618, 30597), (628, 30555), (649, 30474), (665, 30426), (685, 30351), (692, 30321), (704, 30291), (729, 30210), (739, 30171), (750, 30147), (757, 30129), (816, 30000), (832, 29940), (874, 29805), (880, 29793), (884, 29784),

Gene: Gladiator_45 Start: 29628, Stop: 27787, Start Num: 181

Candidate Starts for Gladiator_45:

(Start: 181 @29628 has 918 MA's), (273, 29424), (302, 29349), (303, 29346), (311, 29319), (316, 29304), (323, 29292), (341, 29241), (374, 29151), (378, 29139), (438, 29046), (453, 29007), (466, 28989), (472, 28974), (499, 28908), (516, 28875), (517, 28872), (564, 28770), (595, 28710), (628, 28626), (649, 28545), (676, 28461), (677, 28458), (680, 28449), (685, 28422), (689, 28410), (692, 28392), (722, 28332), (733, 28293), (828, 28077), (829, 28074), (832, 28053), (874, 27918), (880, 27906), (884, 27897), (885, 27894), (923, 27801),

Gene: Glamour_37 Start: 28723, Stop: 26858, Start Num: 209

Candidate Starts for Glamour_37:

(Start: 209 @28723 has 41 MA's), (227, 28678), (247, 28624), (277, 28564), (300, 28513), (335, 28435), (338, 28429), (351, 28384), (353, 28381), (354, 28378), (367, 28339), (393, 28279), (434, 28156), (437, 28147), (440, 28135), (444, 28123), (451, 28105), (461, 28084), (468, 28072), (568, 27901), (639, 27733), (680, 27568), (688, 27532), (692, 27511), (707, 27469), (735, 27382), (745, 27337), (781, 27238), (802, 27193), (804, 27184), (829, 27124), (833, 27100), (844, 27067), (874, 26956),

Gene: GodonK_188 Start: 97693, Stop: 95903, Start Num: 181

Candidate Starts for GodonK_188:

(Start: 181 @97693 has 918 MA's), (224, 97615), (Start: 231 @97588 has 7 MA's), (Start: 232 @97585 has 11 MA's), (266, 97507), (290, 97462), (294, 97453), (312, 97393), (314, 97387), (316, 97381), (335, 97339), (360, 97288), (376, 97243), (422, 97192), (440, 97153), (452, 97123), (459, 97114), (476, 97075), (489, 97048), (494, 97033), (526, 96967), (583, 96850), (619, 96790), (625, 96763), (628, 96751), (642, 96709), (649, 96667), (660, 96637), (676, 96580), (677, 96577), (716, 96427), (717, 96424), (726, 96397), (754, 96316), (780, 96253), (785, 96241), (790, 96232), (833, 96112), (842, 96085), (853, 96064), (857, 96052), (874, 95977), (884, 95956), (894, 95926),

Gene: GoingMerry_39 Start: 28944, Stop: 27079, Start Num: 211

Candidate Starts for GoingMerry_39:

(Start: 140 @29031 has 3 MA's), (Start: 142 @29028 has 1 MA's), (Start: 211 @28944 has 115 MA's), (Start: 215 @28935 has 5 MA's), (255, 28830), (259, 28821), (275, 28791), (276, 28788), (332, 28668), (335, 28656), (338, 28650), (374, 28545), (384, 28518), (434, 28377), (437, 28368), (440, 28356), (450, 28329), (451, 28326), (458, 28311), (461, 28305), (466, 28299), (481, 28266), (584, 28077), (685, 27762), (688, 27753), (689, 27750), (692, 27732), (707, 27690), (709, 27684), (718, 27660), (735, 27603), (787, 27444), (802, 27414), (804, 27405), (829, 27345), (833, 27321), (846, 27282), (857, 27249), (858, 27237), (874, 27177),

Gene: GoldHunter_44 Start: 32554, Stop: 30161, Start Num: 20

Candidate Starts for GoldHunter_44:

(Start: 20 @32554 has 19 MA's), (28, 32548), (Start: 35 @32500 has 1 MA's), (43, 32458), (49, 32434), (69, 32308), (73, 32284), (97, 32239), (123, 32188), (132, 32173), (Start: 142 @32152 has 1 MA's), (176, 32104), (Start: 198 @32071 has 6 MA's), (204, 32062), (238, 31987), (240, 31975), (274, 31906), (290, 31873), (296, 31858), (312, 31804), (313, 31801), (329, 31783), (335, 31762), (355, 31702),

(404, 31579), (405, 31573), (427, 31504), (440, 31462), (496, 31375), (519, 31351), (542, 31345), (552, 31321), (556, 31312), (563, 31297), (570, 31285), (590, 31243), (596, 31240), (598, 31237), (648, 31090), (659, 31021), (661, 31015), (672, 30979), (692, 30886), (705, 30850), (707, 30844), (709, 30838), (711, 30832), (729, 30775), (735, 30751), (745, 30706), (874, 30325), (889, 30280), (911, 30211),

Gene: Golden_37 Start: 28582, Stop: 26732, Start Num: 207

Candidate Starts for Golden_37:

(114, 28723), (170, 28633), (Start: 207 @28582 has 19 MA's), (247, 28483), (259, 28459), (276, 28426), (329, 28315), (335, 28294), (338, 28288), (351, 28243), (354, 28237), (415, 28081), (437, 28018), (440, 28006), (451, 27976), (480, 27919), (630, 27625), (685, 27415), (688, 27406), (689, 27403), (692, 27385), (707, 27343), (735, 27256), (829, 26998), (833, 26974), (834, 26971), (844, 26941), (874, 26830),

Gene: GoldenEssence_85 Start: 72236, Stop: 74038, Start Num: 190

Candidate Starts for GoldenEssence_85:

(Start: 190 @72236 has 7 MA's), (Start: 223 @72299 has 1 MA's), (227, 72311), (268, 72422), (295, 72476), (326, 72557), (335, 72584), (338, 72590), (369, 72659), (381, 72695), (438, 72764), (476, 72842), (489, 72869), (494, 72884), (583, 73073), (608, 73118), (618, 73142), (620, 73151), (624, 73169), (634, 73202), (646, 73241), (649, 73262), (650, 73268), (683, 73382), (705, 73466), (707, 73472), (711, 73484), (726, 73532), (730, 73544), (739, 73580), (754, 73613), (757, 73622), (774, 73667), (783, 73685), (820, 73769), (828, 73790), (833, 73817), (858, 73889), (864, 73913), (874, 73949), (884, 73976),

Gene: Gollum_36 Start: 28113, Stop: 26329, Start Num: 181

Candidate Starts for Gollum_36:

(Start: 181 @28113 has 918 MA's), (288, 27879), (299, 27849), (301, 27840), (302, 27837), (316, 27792), (323, 27780), (341, 27729), (378, 27627), (391, 27606), (438, 27534), (455, 27489), (458, 27486), (480, 27444), (482, 27438), (489, 27423), (499, 27396), (549, 27291), (553, 27282), (562, 27264), (564, 27261), (583, 27225), (618, 27168), (649, 27045), (665, 26997), (692, 26892), (693, 26889), (722, 26832), (728, 26811), (741, 26763), (769, 26688), (813, 26619), (828, 26577), (832, 26553), (859, 26475), (874, 26418), (880, 26406), (884, 26397), (894, 26367), (900, 26349),

Gene: Gompeii16_44 Start: 35183, Stop: 33354, Start Num: 181

Candidate Starts for Gompeii16_44:

(Start: 181 @35183 has 918 MA's), (277, 34970), (285, 34955), (302, 34907), (311, 34877), (315, 34865), (318, 34856), (323, 34850), (328, 34841), (369, 34724), (378, 34697), (438, 34604), (443, 34589), (451, 34568), (458, 34556), (483, 34505), (484, 34502), (514, 34436), (530, 34406), (542, 34376), (562, 34331), (583, 34292), (649, 34112), (665, 34064), (680, 34016), (689, 33977), (692, 33959), (706, 33920), (722, 33899), (728, 33878), (732, 33863), (779, 33740), (853, 33569), (858, 33545), (871, 33497), (874, 33485), (884, 33464), (887, 33458), (903, 33410), (908, 33395),

Gene: GoneGirl_39 Start: 29026, Stop: 27161, Start Num: 211

Candidate Starts for GoneGirl_39:

(Start: 211 @29026 has 115 MA's), (Start: 215 @29017 has 5 MA's), (277, 28867), (330, 28753), (335, 28738), (338, 28732), (406, 28546), (410, 28534), (434, 28459), (437, 28450), (440, 28438), (450, 28411), (451, 28408), (458, 28393), (480, 28351), (496, 28306), (584, 28159), (630, 28057), (639, 28036), (685, 27844), (688, 27835), (689, 27832), (692, 27814), (707, 27772), (712, 27757), (735, 27685), (787, 27526), (802, 27496), (829, 27427), (833, 27403), (846, 27364), (857, 27331), (858, 27319),

Gene: Goose_44 Start: 30924, Stop: 29089, Start Num: 181

Candidate Starts for Goose_44:

(Start: 181 @30924 has 918 MA's), (214, 30873), (273, 30720), (285, 30696), (299, 30660), (302, 30648), (318, 30597), (323, 30591), (328, 30582), (358, 30498), (370, 30462), (374, 30450), (377, 30441), (378, 30438), (438, 30345), (460, 30297), (489, 30237), (499, 30210), (510, 30186), (548, 30108), (549, 30105), (560, 30084), (562, 30078), (596, 30012), (618, 29970), (649, 29847), (665, 29799), (685, 29724), (692, 29694), (706, 29655), (729, 29583), (739, 29544), (750, 29520), (753, 29514), (757, 29502), (805, 29394), (832, 29313), (839, 29289), (862, 29226), (874, 29178), (880, 29166), (884, 29157),

Gene: Gorgeous_54 Start: 36486, Stop: 34318, Start Num: 158

Candidate Starts for Gorgeous_54:

(155, 36489), (Start: 158 @36486 has 13 MA's), (195, 36432), (Start: 230 @36348 has 5 MA's), (289, 36195), (293, 36186), (306, 36141), (328, 36063), (330, 36054), (335, 36039), (341, 36024), (342, 36021), (362, 35964), (393, 35871), (401, 35829), (469, 35634), (473, 35622), (475, 35616), (486, 35592), (493, 35571), (501, 35550), (505, 35535), (509, 35529), (541, 35466), (562, 35415), (587, 35328), (616, 35268), (628, 35220), (652, 35118), (655, 35112), (669, 35085), (670, 35082), (676, 35061), (686, 35019), (688, 35013), (693, 34989), (707, 34947), (708, 34944), (716, 34917), (723, 34884), (727, 34872), (736, 34836), (745, 34812), (748, 34806), (750, 34800), (768, 34746), (792, 34698), (795, 34695), (820, 34635), (828, 34611), (834, 34581), (854, 34527), (871, 34458), (874, 34446), (885, 34407),

Gene: Graduation_48 Start: 36333, Stop: 34516, Start Num: 181

Candidate Starts for Graduation_48:

(Start: 181 @36333 has 918 MA's), (277, 36120), (285, 36105), (311, 36027), (318, 36006), (323, 36000), (328, 35991), (369, 35874), (378, 35847), (438, 35754), (443, 35739), (458, 35706), (483, 35655), (484, 35652), (514, 35586), (530, 35556), (542, 35526), (562, 35481), (583, 35442), (649, 35262), (665, 35214), (677, 35175), (692, 35109), (706, 35070), (722, 35049), (728, 35028), (733, 35010), (757, 34944), (828, 34794), (829, 34791), (836, 34755), (846, 34731), (852, 34722), (856, 34710), (874, 34635), (884, 34614),

Gene: Gratitude_44 Start: 31601, Stop: 29814, Start Num: 181

Candidate Starts for Gratitude_44:

(Start: 181 @31601 has 918 MA's), (273, 31397), (275, 31394), (277, 31388), (291, 31358), (302, 31325), (303, 31322), (311, 31295), (323, 31268), (341, 31217), (378, 31115), (438, 31022), (458, 30974), (466, 30965), (472, 30950), (499, 30884), (539, 30803), (560, 30755), (628, 30611), (649, 30530), (667, 30479), (676, 30446), (692, 30377), (706, 30338), (722, 30317), (728, 30296), (731, 30284), (813, 30104), (816, 30098), (828, 30062), (832, 30038), (859, 29960), (874, 29903), (880, 29891),

Gene: GrecoEtereo_45 Start: 34806, Stop: 32980, Start Num: 181

Candidate Starts for GrecoEtereo_45:

(Start: 181 @34806 has 918 MA's), (277, 34593), (285, 34578), (302, 34530), (311, 34500), (318, 34479), (323, 34473), (328, 34464), (369, 34347), (378, 34320), (438, 34227), (443, 34212), (458, 34179), (483, 34128), (484, 34125), (514, 34059), (530, 34029), (542, 33999), (562, 33954), (583, 33915), (649, 33735), (665, 33687), (677, 33648), (692, 33582), (706, 33543), (722, 33522), (728, 33501), (733, 33483), (757, 33417), (828, 33267), (829, 33264), (836, 33228), (846, 33204), (852, 33195), (856, 33183), (874, 33108), (884, 33087),

Gene: GreedyLawyer_45 Start: 29627, Stop: 27786, Start Num: 181

Candidate Starts for GreedyLawyer_45:

(Start: 181 @29627 has 918 MA's), (273, 29423), (302, 29348), (303, 29345), (311, 29318), (316, 29303), (323, 29291), (341, 29240), (374, 29150), (378, 29138), (438, 29045), (453, 29006), (466, 28988), (472, 28973), (499, 28907), (516, 28874), (517, 28871), (564, 28769), (595, 28709), (628, 28625), (649, 28544), (676, 28460), (677, 28457), (680, 28448), (685, 28421), (692, 28391), (722,

28331), (733, 28292), (828, 28076), (829, 28073), (832, 28052), (874, 27917), (880, 27905), (884, 27896), (885, 27893), (923, 27800),

Gene: GreenIvy_37 Start: 27580, Stop: 25715, Start Num: 209

Candidate Starts for GreenIvy_37:

(Start: 209 @27580 has 41 MA's), (214, 27574), (253, 27475), (255, 27466), (267, 27442), (275, 27427), (277, 27421), (300, 27370), (302, 27367), (338, 27286), (393, 27136), (398, 27133), (427, 27034), (435, 27007), (437, 27004), (440, 26992), (451, 26962), (461, 26941), (480, 26905), (568, 26758), (642, 26578), (685, 26398), (692, 26368), (711, 26314), (718, 26296), (735, 26239), (743, 26212), (755, 26170), (802, 26050), (804, 26041), (829, 25981), (833, 25957), (836, 25945), (839, 25936), (846, 25918), (857, 25885), (874, 25813),

Gene: Greg_47 Start: 35124, Stop: 33337, Start Num: 181

Candidate Starts for Greg_47:

(Start: 181 @35124 has 918 MA's), (277, 34911), (285, 34896), (302, 34848), (311, 34818), (318, 34797), (323, 34791), (328, 34782), (369, 34665), (378, 34638), (438, 34545), (443, 34530), (458, 34497), (483, 34446), (484, 34443), (514, 34377), (530, 34347), (542, 34317), (562, 34272), (583, 34233), (649, 34053), (665, 34005), (677, 33966), (692, 33900), (725, 33828), (728, 33819), (757, 33735), (796, 33648), (846, 33522), (853, 33510), (874, 33426), (878, 33420),

Gene: Gretchen_48 Start: 32640, Stop: 34505, Start Num: 180

Candidate Starts for Gretchen_48:

(Start: 102 @32514 has 1 MA's), (138, 32583), (Start: 180 @32640 has 21 MA's), (311, 32937), (366, 33081), (440, 33234), (489, 33342), (499, 33369), (531, 33429), (555, 33489), (560, 33495), (586, 33552), (588, 33558), (628, 33672), (649, 33753), (672, 33816), (683, 33870), (685, 33876), (741, 34053), (750, 34071), (754, 34080), (758, 34092), (796, 34176), (837, 34284), (857, 34329), (874, 34401), (905, 34479), (920, 34500),

Gene: Greys_39 Start: 28932, Stop: 27067, Start Num: 211

Candidate Starts for Greys_39:

(Start: 140 @29019 has 3 MA's), (Start: 142 @29016 has 1 MA's), (Start: 211 @28932 has 115 MA's), (Start: 215 @28923 has 5 MA's), (255, 28818), (259, 28809), (275, 28779), (276, 28776), (332, 28656), (335, 28644), (338, 28638), (374, 28533), (384, 28506), (434, 28365), (437, 28356), (440, 28344), (450, 28317), (451, 28314), (458, 28299), (461, 28293), (466, 28287), (481, 28254), (584, 28065), (685, 27750), (688, 27741), (689, 27738), (692, 27720), (707, 27678), (709, 27672), (718, 27648), (735, 27591), (787, 27432), (802, 27402), (804, 27393), (829, 27333), (833, 27309), (846, 27270), (857, 27237), (858, 27225), (874, 27165),

Gene: Grif_48 Start: 31927, Stop: 30113, Start Num: 181

Candidate Starts for Grif_48:

(Start: 181 @31927 has 918 MA's), (206, 31888), (214, 31876), (273, 31723), (281, 31708), (302, 31651), (323, 31594), (328, 31585), (341, 31543), (360, 31492), (378, 31441), (438, 31348), (458, 31300), (466, 31291), (472, 31276), (489, 31237), (499, 31210), (514, 31180), (555, 31087), (562, 31075), (584, 31027), (595, 31012), (649, 30856), (677, 30769), (689, 30721), (692, 30703), (706, 30664), (729, 30592), (739, 30553), (750, 30529), (757, 30511), (767, 30478), (782, 30451), (816, 30397), (832, 30337), (859, 30259), (874, 30202), (880, 30190), (884, 30181),

Gene: GrimEater_38 Start: 28029, Stop: 29894, Start Num: 180

Candidate Starts for GrimEater_38:

(Start: 180 @28029 has 21 MA's), (302, 28296), (311, 28326), (440, 28623), (484, 28722), (494, 28746), (539, 28836), (560, 28884), (649, 29142), (690, 29286), (692, 29295), (748, 29454), (754, 29469), (799, 29568), (829, 29634), (832, 29655), (837, 29673), (874, 29790),

Gene: GroundGoblin_46 Start: 35499, Stop: 33673, Start Num: 181

Candidate Starts for GroundGoblin_46:

(Start: 181 @35499 has 918 MA's), (277, 35286), (285, 35271), (311, 35193), (318, 35172), (323, 35166), (328, 35157), (369, 35040), (378, 35013), (438, 34920), (443, 34905), (483, 34821), (484, 34818), (514, 34752), (542, 34692), (562, 34647), (583, 34608), (649, 34428), (665, 34380), (677, 34341), (692, 34275), (706, 34236), (722, 34215), (728, 34194), (733, 34176), (757, 34110), (825, 33969), (828, 33960), (829, 33957), (836, 33921), (846, 33897), (852, 33888), (856, 33876), (874, 33801), (884, 33780),

Gene: Groundhog_41 Start: 30507, Stop: 28663, Start Num: 181

Candidate Starts for Groundhog_41:

(89, 30672), (Start: 181 @30507 has 918 MA's), (214, 30456), (261, 30333), (273, 30303), (291, 30264), (302, 30231), (311, 30201), (318, 30180), (323, 30174), (328, 30165), (341, 30123), (360, 30072), (377, 30024), (378, 30021), (438, 29925), (448, 29898), (455, 29880), (458, 29877), (466, 29868), (489, 29814), (499, 29787), (524, 29739), (549, 29682), (562, 29655), (586, 29604), (596, 29589), (646, 29442), (649, 29421), (660, 29391), (665, 29373), (667, 29370), (674, 29355), (677, 29334), (680, 29325), (685, 29298), (689, 29286), (692, 29268), (728, 29187), (731, 29175), (750, 29121), (763, 29085), (796, 29016), (813, 28995), (816, 28989), (829, 28950), (832, 28929), (837, 28911), (874, 28794), (880, 28782),

Gene: Groupthink_49 Start: 31753, Stop: 29939, Start Num: 181

Candidate Starts for Groupthink_49:

(Start: 181 @31753 has 918 MA's), (206, 31714), (214, 31702), (273, 31549), (281, 31534), (302, 31477), (323, 31420), (328, 31411), (341, 31369), (360, 31318), (378, 31267), (438, 31174), (458, 31126), (472, 31102), (489, 31063), (499, 31036), (514, 31006), (555, 30913), (562, 30901), (584, 30853), (595, 30838), (649, 30682), (667, 30631), (676, 30598), (677, 30595), (692, 30529), (706, 30490), (729, 30418), (739, 30379), (750, 30355), (757, 30337), (767, 30304), (816, 30223), (832, 30163), (837, 30145), (859, 30085), (862, 30076), (874, 30028), (880, 30016), (884, 30007),

Gene: Grub_48 Start: 31845, Stop: 30031, Start Num: 181

Candidate Starts for Grub_48:

(Start: 181 @31845 has 918 MA's), (206, 31806), (214, 31794), (273, 31641), (281, 31626), (302, 31569), (323, 31512), (328, 31503), (341, 31461), (360, 31410), (378, 31359), (438, 31266), (458, 31218), (466, 31209), (472, 31194), (489, 31155), (499, 31128), (514, 31098), (555, 31005), (562, 30993), (584, 30945), (595, 30930), (649, 30774), (677, 30687), (692, 30621), (706, 30582), (729, 30510), (739, 30471), (750, 30447), (757, 30429), (767, 30396), (782, 30369), (816, 30315), (832, 30255), (859, 30177), (874, 30120), (880, 30108), (884, 30099),

Gene: Grum1_48 Start: 31852, Stop: 30038, Start Num: 181

Candidate Starts for Grum1_48:

(Start: 181 @31852 has 918 MA's), (206, 31813), (214, 31801), (273, 31648), (281, 31633), (302, 31576), (323, 31519), (328, 31510), (341, 31468), (360, 31417), (378, 31366), (438, 31273), (458, 31225), (466, 31216), (472, 31201), (489, 31162), (499, 31135), (514, 31105), (555, 31012), (595, 30937), (649, 30781), (677, 30694), (692, 30628), (706, 30589), (729, 30517), (739, 30478), (750, 30454), (757, 30436), (767, 30403), (782, 30376), (816, 30322), (832, 30262), (859, 30184), (874, 30127), (880, 30115), (884, 30106),

Gene: Gruunaga_45 Start: 29627, Stop: 27786, Start Num: 181

Candidate Starts for Gruunaga_45:

(Start: 157 @29657 has 1 MA's), (Start: 181 @29627 has 918 MA's), (273, 29423), (302, 29348), (303, 29345), (311, 29318), (316, 29303), (323, 29291), (341, 29240), (374, 29150), (378, 29138), (438, 29045), (453, 29006), (466, 28988), (472, 28973), (499, 28907), (516, 28874), (517, 28871), (564, 28769), (595, 28709), (628, 28625), (649, 28544), (676, 28460), (677, 28457), (680, 28448), (685,

28421), (689, 28409), (692, 28391), (722, 28331), (733, 28292), (828, 28076), (829, 28073), (832, 28052), (874, 27917), (880, 27905), (884, 27896), (885, 27893), (923, 27800),

Gene: GtownJaz_48 Start: 31854, Stop: 30040, Start Num: 181

Candidate Starts for GtownJaz_48:

(Start: 181 @31854 has 918 MA's), (206, 31815), (214, 31803), (273, 31650), (281, 31635), (302, 31578), (323, 31521), (328, 31512), (341, 31470), (360, 31419), (378, 31368), (438, 31275), (458, 31227), (466, 31218), (472, 31203), (489, 31164), (499, 31137), (514, 31107), (555, 31014), (562, 31002), (584, 30954), (595, 30939), (649, 30783), (677, 30696), (689, 30648), (692, 30630), (706, 30591), (729, 30519), (739, 30480), (750, 30456), (757, 30438), (767, 30405), (782, 30378), (816, 30324), (832, 30264), (859, 30186), (874, 30129), (880, 30117), (884, 30108),

Gene: Gubbabump_38 Start: 28612, Stop: 26747, Start Num: 211

Candidate Starts for Gubbabump_38:

(Start: 140 @28699 has 3 MA's), (Start: 142 @28696 has 1 MA's), (Start: 211 @28612 has 115 MA's), (Start: 215 @28603 has 5 MA's), (255, 28498), (259, 28489), (275, 28459), (276, 28456), (332, 28336), (335, 28324), (338, 28318), (374, 28213), (384, 28186), (434, 28045), (435, 28039), (437, 28036), (440, 28024), (450, 27997), (451, 27994), (458, 27979), (461, 27973), (466, 27967), (481, 27934), (561, 27805), (584, 27745), (685, 27430), (688, 27421), (689, 27418), (692, 27400), (707, 27358), (709, 27352), (712, 27343), (718, 27328), (735, 27271), (787, 27112), (802, 27082), (804, 27073), (829, 27013), (833, 26989), (846, 26950), (857, 26917), (858, 26905), (874, 26845),

Gene: Guetzie_37 Start: 28567, Stop: 26717, Start Num: 207

Candidate Starts for Guetzie_37:

(114, 28708), (170, 28618), (Start: 207 @28567 has 19 MA's), (247, 28468), (259, 28444), (276, 28411), (329, 28300), (335, 28279), (338, 28273), (351, 28228), (354, 28222), (415, 28066), (437, 28003), (440, 27991), (451, 27961), (480, 27904), (630, 27610), (685, 27400), (688, 27391), (689, 27388), (692, 27370), (707, 27328), (735, 27241), (829, 26983), (833, 26959), (834, 26956), (844, 26926), (874, 26815),

Gene: Gumpizza_37 Start: 27483, Stop: 29465, Start Num: 181

Candidate Starts for Gumpizza_37:

(Start: 181 @27483 has 918 MA's), (261, 27657), (273, 27687), (293, 27720), (303, 27753), (332, 27828), (340, 27855), (377, 27957), (420, 28056), (489, 28230), (499, 28257), (560, 28386), (619, 28524), (643, 28611), (649, 28644), (660, 28674), (677, 28731), (692, 28797), (726, 28890), (756, 28977), (832, 29157), (839, 29181), (874, 29292), (919, 29400),

Gene: GurgleFerb_36 Start: 31888, Stop: 30143, Start Num: 200

Candidate Starts for GurgleFerb_36:

(184, 31915), (Start: 200 @31888 has 6 MA's), (203, 31885), (Start: 218 @31852 has 1 MA's), (221, 31846), (256, 31753), (271, 31720), (285, 31693), (337, 31558), (413, 31429), (414, 31423), (427, 31399), (432, 31384), (439, 31357), (450, 31327), (489, 31246), (492, 31237), (520, 31177), (529, 31156), (587, 31042), (599, 31024), (707, 30646), (722, 30628), (740, 30562), (748, 30547), (836, 30328), (853, 30286), (874, 30202), (886, 30169),

Gene: Gwendoluna_47 Start: 36544, Stop: 34718, Start Num: 181

Candidate Starts for Gwendoluna_47:

(Start: 181 @36544 has 918 MA's), (277, 36331), (285, 36316), (302, 36268), (311, 36238), (318, 36217), (323, 36211), (328, 36202), (369, 36085), (378, 36058), (438, 35965), (443, 35950), (458, 35917), (483, 35866), (484, 35863), (514, 35797), (530, 35767), (542, 35737), (562, 35692), (583, 35653), (649, 35473), (665, 35425), (677, 35386), (692, 35320), (706, 35281), (722, 35260), (728, 35239), (733, 35221), (757, 35155), (828, 35005), (829, 35002), (836, 34966), (846, 34942), (852, 34933), (856, 34921), (874, 34846), (884, 34825),

Gene: Gwennie_47 Start: 31856, Stop: 30042, Start Num: 181

Candidate Starts for Gwennie_47:

(Start: 181 @31856 has 918 MA's), (206, 31817), (214, 31805), (273, 31652), (281, 31637), (302, 31580), (323, 31523), (328, 31514), (341, 31472), (360, 31421), (378, 31370), (438, 31277), (458, 31229), (466, 31220), (472, 31205), (489, 31166), (499, 31139), (514, 31109), (555, 31016), (584, 30956), (595, 30941), (649, 30785), (677, 30698), (692, 30632), (706, 30593), (729, 30521), (739, 30482), (750, 30458), (757, 30440), (767, 30407), (782, 30380), (816, 30326), (832, 30266), (859, 30188), (874, 30131), (880, 30119), (884, 30110),

Gene: Gyzlar_41 Start: 32798, Stop: 30972, Start Num: 181

Candidate Starts for Gyzlar_41:

(Start: 181 @32798 has 918 MA's), (277, 32585), (285, 32570), (302, 32522), (311, 32492), (318, 32471), (323, 32465), (328, 32456), (369, 32339), (378, 32312), (438, 32219), (443, 32204), (458, 32171), (483, 32120), (484, 32117), (514, 32051), (530, 32021), (542, 31991), (562, 31946), (583, 31907), (649, 31727), (665, 31679), (677, 31640), (692, 31574), (706, 31535), (722, 31514), (728, 31493), (733, 31475), (757, 31409), (828, 31259), (829, 31256), (836, 31220), (846, 31196), (852, 31187), (856, 31175), (862, 31148), (874, 31100), (884, 31079),

Gene: HINdeR_41 Start: 32902, Stop: 31064, Start Num: 181

Candidate Starts for HINdeR_41:

(Start: 181 @32902 has 918 MA's), (195, 32881), (236, 32791), (261, 32728), (277, 32689), (294, 32653), (323, 32569), (332, 32548), (360, 32467), (374, 32428), (378, 32416), (434, 32332), (438, 32320), (448, 32293), (455, 32275), (460, 32272), (472, 32251), (489, 32212), (534, 32119), (548, 32083), (549, 32080), (560, 32059), (596, 31987), (610, 31966), (649, 31822), (665, 31774), (674, 31756), (680, 31726), (689, 31687), (692, 31669), (706, 31630), (728, 31561), (729, 31558), (739, 31519), (757, 31477), (758, 31474), (767, 31444), (813, 31354), (816, 31348), (832, 31288), (837, 31270), (853, 31237), (859, 31210), (874, 31153), (880, 31141), (884, 31132),

Gene: HairyMan_35 Start: 28016, Stop: 26154, Start Num: 207

Candidate Starts for HairyMan_35:

(Start: 207 @28016 has 19 MA's), (302, 27803), (335, 27728), (338, 27722), (367, 27632), (379, 27602), (405, 27539), (414, 27503), (434, 27446), (437, 27437), (440, 27425), (451, 27395), (461, 27374), (496, 27293), (561, 27212), (568, 27197), (582, 27167), (619, 27092), (629, 27053), (633, 27041), (689, 26825), (692, 26807), (707, 26765), (735, 26678), (787, 26519), (833, 26396), (836, 26384), (844, 26363), (846, 26357), (851, 26348), (857, 26324), (874, 26252),

Gene: Halsey_38 Start: 27738, Stop: 29720, Start Num: 181

Candidate Starts for Halsey_38:

(Start: 181 @27738 has 918 MA's), (261, 27912), (273, 27942), (293, 27975), (303, 28008), (332, 28083), (340, 28110), (420, 28311), (489, 28485), (560, 28641), (619, 28779), (643, 28866), (649, 28899), (660, 28929), (677, 28986), (692, 29052), (726, 29145), (832, 29412), (839, 29436), (874, 29547),

Gene: HamSlice_44 Start: 31568, Stop: 29742, Start Num: 181

Candidate Starts for HamSlice_44:

(Start: 181 @31568 has 918 MA's), (195, 31547), (214, 31517), (224, 31487), (291, 31325), (298, 31307), (323, 31235), (328, 31226), (370, 31106), (378, 31082), (438, 30989), (460, 30941), (472, 30920), (489, 30881), (549, 30749), (560, 30728), (583, 30683), (586, 30671), (646, 30518), (649, 30497), (685, 30374), (692, 30344), (706, 30305), (728, 30239), (729, 30236), (733, 30221), (739, 30197), (750, 30173), (832, 29966), (874, 29831), (880, 29819), (884, 29810),

Gene: Hami1_39 Start: 29239, Stop: 27413, Start Num: 181

Candidate Starts for Hami1_39:

(Start: 181 @29239 has 918 MA's), (277, 29026), (285, 29011), (302, 28963), (311, 28933), (318, 28912), (323, 28906), (328, 28897), (369, 28780), (378, 28753), (438, 28660), (443, 28645), (458, 28612), (483, 28561), (484, 28558), (514, 28492), (530, 28462), (542, 28432), (562, 28387), (583, 28348), (649, 28168), (660, 28138), (665, 28120), (677, 28081), (692, 28015), (728, 27934), (729, 27931), (757, 27850), (828, 27700), (829, 27697), (836, 27661), (846, 27637), (852, 27628), (856, 27616), (874, 27541), (884, 27520),

Gene: Hamlet_38 Start: 29064, Stop: 27199, Start Num: 211

Candidate Starts for Hamlet_38:

(Start: 211 @29064 has 115 MA's), (Start: 215 @29055 has 5 MA's), (330, 28791), (335, 28776), (338, 28770), (384, 28638), (406, 28584), (434, 28497), (437, 28488), (440, 28476), (450, 28449), (451, 28446), (458, 28431), (461, 28425), (480, 28389), (496, 28344), (584, 28197), (630, 28095), (685, 27882), (689, 27870), (692, 27852), (707, 27810), (720, 27780), (735, 27723), (787, 27564), (802, 27534), (829, 27465), (833, 27441), (846, 27402), (858, 27357),

Gene: Hammer_47 Start: 29790, Stop: 27991, Start Num: 181

Candidate Starts for Hammer_47:

(Start: 181 @29790 has 918 MA's), (273, 29586), (277, 29577), (302, 29511), (303, 29508), (311, 29481), (316, 29466), (323, 29454), (341, 29403), (374, 29313), (378, 29301), (438, 29208), (458, 29160), (466, 29151), (547, 28968), (622, 28818), (649, 28713), (667, 28656), (677, 28620), (680, 28611), (685, 28584), (692, 28554), (706, 28515), (722, 28494), (731, 28461), (733, 28455), (767, 28356), (801, 28293), (828, 28239), (832, 28215), (855, 28158), (874, 28080), (880, 28068), (884, 28059), (885, 28056),

Gene: HanShotFirst_43 Start: 33831, Stop: 32005, Start Num: 181

Candidate Starts for HanShotFirst_43:

(Start: 181 @33831 has 918 MA's), (277, 33618), (285, 33603), (302, 33555), (311, 33525), (318, 33504), (323, 33498), (328, 33489), (369, 33372), (378, 33345), (438, 33252), (443, 33237), (458, 33204), (483, 33153), (484, 33150), (514, 33084), (530, 33054), (542, 33024), (562, 32979), (583, 32940), (649, 32760), (665, 32712), (677, 32673), (692, 32607), (706, 32568), (722, 32547), (728, 32526), (733, 32508), (757, 32442), (828, 32292), (829, 32289), (836, 32253), (846, 32229), (852, 32220), (856, 32208), (874, 32133), (884, 32112),

Gene: HanSolo_38 Start: 28619, Stop: 26754, Start Num: 211

Candidate Starts for HanSolo_38:

(Start: 140 @28706 has 3 MA's), (Start: 142 @28703 has 1 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (561, 27812), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (712, 27350), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080), (829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: HankSprout_39 Start: 28499, Stop: 26634, Start Num: 211

Candidate Starts for HankSprout_39:

(Start: 140 @28586 has 3 MA's), (Start: 142 @28583 has 1 MA's), (Start: 211 @28499 has 115 MA's), (Start: 215 @28490 has 5 MA's), (255, 28385), (259, 28376), (275, 28346), (276, 28343), (332, 28223), (335, 28211), (338, 28205), (374, 28100), (384, 28073), (434, 27932), (435, 27926), (437, 27923), (440, 27911), (450, 27884), (451, 27881), (458, 27866), (461, 27860), (466, 27854), (481, 27821), (561, 27692), (584, 27632), (685, 27317), (688, 27308), (689, 27305), (692, 27287), (707, 27245), (709, 27239), (712, 27230), (718, 27215), (735, 27158), (787, 26999), (802, 26969), (804, 26960), (829, 26900), (833, 26876), (846, 26837), (857, 26804), (858, 26792), (874, 26732),

Gene: Hanray_43 Start: 31494, Stop: 29701, Start Num: 181

Candidate Starts for Hanray_43:

(Start: 181 @31494 has 918 MA's), (187, 31485), (214, 31443), (259, 31323), (261, 31320), (282, 31272), (303, 31212), (312, 31182), (316, 31170), (323, 31158), (378, 31005), (438, 30912), (499, 30774), (514, 30744), (586, 30585), (595, 30573), (616, 30546), (646, 30438), (649, 30417), (689, 30282), (692, 30264), (728, 30183), (739, 30141), (767, 30066), (813, 29991), (828, 29949), (859, 29847), (874, 29790), (880, 29778), (884, 29769),

Gene: Happiness_44 Start: 31575, Stop: 29749, Start Num: 181

Candidate Starts for Happiness_44:

(Start: 181 @31575 has 918 MA's), (195, 31554), (214, 31524), (224, 31494), (291, 31332), (298, 31314), (323, 31242), (328, 31233), (370, 31113), (378, 31089), (438, 30996), (460, 30948), (472, 30927), (489, 30888), (549, 30756), (560, 30735), (583, 30690), (586, 30678), (646, 30525), (649, 30504), (685, 30381), (692, 30351), (706, 30312), (728, 30246), (729, 30243), (733, 30228), (739, 30204), (750, 30180), (832, 29973), (874, 29838), (880, 29826), (884, 29817),

Gene: Harlequin_36 Start: 28118, Stop: 26334, Start Num: 181

Candidate Starts for Harlequin_36:

(Start: 181 @28118 has 918 MA's), (288, 27884), (299, 27854), (301, 27845), (302, 27842), (316, 27797), (323, 27785), (341, 27734), (378, 27632), (391, 27611), (438, 27539), (458, 27491), (489, 27428), (499, 27401), (549, 27296), (562, 27269), (583, 27230), (649, 27050), (665, 27002), (692, 26897), (693, 26894), (722, 26837), (728, 26816), (769, 26693), (813, 26624), (828, 26582), (832, 26558), (859, 26480), (874, 26423), (880, 26411), (900, 26354),

Gene: HarryHoudini_45 Start: 31805, Stop: 30018, Start Num: 181

Candidate Starts for HarryHoudini_45:

(Start: 181 @31805 has 918 MA's), (273, 31601), (275, 31598), (277, 31592), (291, 31562), (302, 31529), (303, 31526), (311, 31499), (323, 31472), (332, 31451), (341, 31421), (378, 31319), (438, 31226), (458, 31178), (466, 31169), (472, 31154), (499, 31088), (539, 31007), (560, 30959), (628, 30815), (649, 30734), (667, 30683), (676, 30650), (692, 30581), (706, 30542), (722, 30521), (728, 30500), (731, 30488), (813, 30308), (816, 30302), (828, 30266), (832, 30242), (859, 30164), (874, 30107), (880, 30095),

Gene: HarryOW_43 Start: 33978, Stop: 32152, Start Num: 181

Candidate Starts for HarryOW_43:

(Start: 181 @33978 has 918 MA's), (277, 33765), (285, 33750), (302, 33702), (311, 33672), (318, 33651), (323, 33645), (328, 33636), (369, 33519), (378, 33492), (438, 33399), (443, 33384), (458, 33351), (483, 33300), (484, 33297), (514, 33231), (530, 33201), (542, 33171), (562, 33126), (583, 33087), (649, 32907), (665, 32859), (677, 32820), (692, 32754), (706, 32715), (722, 32694), (728, 32673), (733, 32655), (757, 32589), (828, 32439), (829, 32436), (836, 32400), (846, 32376), (852, 32367), (856, 32355), (874, 32280), (884, 32259),

Gene: HashRod_49 Start: 31884, Stop: 30070, Start Num: 181

Candidate Starts for HashRod_49:

(Start: 181 @31884 has 918 MA's), (206, 31845), (214, 31833), (273, 31680), (281, 31665), (302, 31608), (323, 31551), (328, 31542), (341, 31500), (360, 31449), (378, 31398), (420, 31344), (438, 31305), (458, 31257), (472, 31233), (489, 31194), (499, 31167), (514, 31137), (555, 31044), (562, 31032), (584, 30984), (595, 30969), (649, 30813), (667, 30762), (676, 30729), (677, 30726), (692, 30660), (706, 30621), (729, 30549), (739, 30510), (750, 30486), (757, 30468), (767, 30435), (816, 30354), (832, 30294), (862, 30207), (874, 30159), (880, 30147), (884, 30138), (885, 30135),

Gene: Hasitha_37 Start: 27003, Stop: 25138, Start Num: 209

Candidate Starts for Hasitha_37:

(Start: 209 @27003 has 41 MA's), (214, 26997), (253, 26898), (255, 26889), (267, 26865), (275, 26850), (277, 26844), (300, 26793), (302, 26790), (338, 26709), (358, 26649), (393, 26559), (398, 26556), (427, 26457), (435, 26430), (437, 26427), (440, 26415), (451, 26385), (461, 26364), (480, 26328), (568, 26181), (618, 26079), (642, 26001), (685, 25821), (692, 25791), (711, 25737), (718, 25719), (735, 25662), (743, 25635), (755, 25593), (767, 25554), (802, 25473), (804, 25464), (829, 25404), (833, 25380), (836, 25368), (839, 25359), (846, 25341), (857, 25308), (874, 25236),

Gene: HaveUMetTed_49 Start: 31735, Stop: 29921, Start Num: 181

Candidate Starts for HaveUMetTed_49:

(Start: 181 @31735 has 918 MA's), (206, 31696), (214, 31684), (273, 31531), (281, 31516), (302, 31459), (323, 31402), (328, 31393), (341, 31351), (360, 31300), (378, 31249), (438, 31156), (458, 31108), (472, 31084), (489, 31045), (499, 31018), (514, 30988), (555, 30895), (562, 30883), (584, 30835), (595, 30820), (649, 30664), (667, 30613), (676, 30580), (677, 30577), (692, 30511), (706, 30472), (729, 30400), (739, 30361), (750, 30337), (757, 30319), (767, 30286), (816, 30205), (832, 30145), (837, 30127), (859, 30067), (862, 30058), (874, 30010), (880, 29998), (884, 29989),

Gene: Heathen_45 Start: 31183, Stop: 29345, Start Num: 181

Candidate Starts for Heathen_45:

(133, 31255), (Start: 181 @31183 has 918 MA's), (214, 31132), (273, 30979), (299, 30919), (302, 30907), (323, 30850), (328, 30841), (332, 30829), (370, 30721), (378, 30697), (438, 30601), (460, 30553), (489, 30493), (517, 30430), (549, 30361), (560, 30340), (595, 30271), (598, 30265), (618, 30226), (649, 30103), (677, 30016), (685, 29980), (692, 29950), (704, 29920), (729, 29839), (739, 29800), (750, 29776), (757, 29758), (816, 29629), (832, 29569), (874, 29434), (880, 29422), (884, 29413),

Gene: Heather_37 Start: 27927, Stop: 29858, Start Num: 181

Candidate Starts for Heather_37:

(Start: 181 @27927 has 918 MA's), (195, 27948), (224, 28008), (273, 28137), (295, 28185), (298, 28194), (311, 28239), (427, 28476), (434, 28497), (440, 28515), (466, 28572), (472, 28587), (483, 28614), (489, 28626), (490, 28629), (496, 28644), (560, 28779), (583, 28824), (635, 28977), (649, 29037), (665, 29085), (672, 29100), (677, 29124), (683, 29154), (690, 29181), (692, 29190), (704, 29220), (711, 29244), (754, 29364), (799, 29463), (825, 29517), (832, 29550), (833, 29553), (836, 29565), (837, 29568), (839, 29574), (853, 29601), (874, 29685), (880, 29697), (903, 29760),

Gene: Heffalump_43 Start: 31940, Stop: 30153, Start Num: 181

Candidate Starts for Heffalump_43:

(42, 32318), (74, 32129), (86, 32090), (Start: 181 @31940 has 918 MA's), (273, 31736), (275, 31733), (277, 31727), (286, 31712), (291, 31697), (302, 31664), (303, 31661), (311, 31634), (323, 31607), (332, 31586), (378, 31454), (438, 31361), (451, 31325), (458, 31313), (466, 31304), (472, 31289), (499, 31223), (539, 31142), (560, 31094), (562, 31088), (595, 31025), (649, 30869), (667, 30818), (676, 30785), (677, 30782), (692, 30716), (706, 30677), (722, 30656), (745, 30581), (750, 30569), (801, 30455), (816, 30437), (825, 30410), (828, 30401), (832, 30377), (859, 30299), (874, 30242), (880, 30230), (884, 30221),

Gene: HelDan_45 Start: 31435, Stop: 29597, Start Num: 181

Candidate Starts for HelDan_45:

(133, 31507), (Start: 181 @31435 has 918 MA's), (214, 31384), (273, 31231), (299, 31171), (302, 31159), (323, 31102), (328, 31093), (332, 31081), (370, 30973), (378, 30949), (438, 30853), (460, 30805), (489, 30745), (517, 30682), (549, 30613), (560, 30592), (595, 30523), (598, 30517), (618, 30478), (649, 30355), (677, 30268), (685, 30232), (692, 30202), (704, 30172), (729, 30091), (739, 30052), (750, 30028), (757, 30010), (816, 29881), (832, 29821), (874, 29686), (880, 29674), (884, 29665),

Gene: Heliosoles_47 Start: 31756, Stop: 29942, Start Num: 181

Candidate Starts for Heliosoles_47:

(Start: 181 @31756 has 918 MA's), (206, 31717), (214, 31705), (273, 31552), (281, 31537), (302, 31480), (323, 31423), (328, 31414), (341, 31372), (360, 31321), (378, 31270), (438, 31177), (458, 31129), (472, 31105), (489, 31066), (499, 31039), (514, 31009), (555, 30916), (562, 30904), (584, 30856), (595, 30841), (649, 30685), (667, 30634), (676, 30601), (677, 30598), (692, 30532), (706, 30493), (729, 30421), (739, 30382), (750, 30358), (757, 30340), (767, 30307), (816, 30226), (832, 30166), (837, 30148), (859, 30088), (862, 30079), (874, 30031), (880, 30019), (884, 30010),

Gene: Helmet_47 Start: 29791, Stop: 27950, Start Num: 181

Candidate Starts for Helmet_47:

(Start: 181 @29791 has 918 MA's), (273, 29587), (302, 29512), (303, 29509), (311, 29482), (316, 29467), (323, 29455), (341, 29404), (374, 29314), (378, 29302), (438, 29209), (453, 29170), (466, 29152), (472, 29137), (499, 29071), (516, 29038), (517, 29035), (564, 28933), (595, 28873), (628, 28789), (649, 28708), (676, 28624), (677, 28621), (680, 28612), (685, 28585), (692, 28555), (722, 28495), (733, 28456), (828, 28240), (829, 28237), (832, 28216), (874, 28081), (880, 28069), (884, 28060), (885, 28057), (923, 27964),

Gene: Hendrix_88 Start: 57216, Stop: 59255, Start Num: 124

Candidate Starts for Hendrix_88:

(Start: 124 @57216 has 4 MA's), (161, 57273), (Start: 198 @57330 has 6 MA's), (Start: 215 @57357 has 5 MA's), (Start: 231 @57408 has 7 MA's), (281, 57528), (296, 57564), (304, 57594), (366, 57762), (410, 57876), (421, 57915), (441, 57972), (444, 57981), (451, 57999), (502, 58107), (515, 58122), (518, 58128), (550, 58161), (565, 58194), (581, 58239), (617, 58311), (647, 58416), (648, 58419), (673, 58488), (685, 58545), (692, 58575), (735, 58710), (755, 58779), (767, 58818), (787, 58869), (797, 58890), (825, 58956), (829, 58968), (832, 58989), (833, 58992), (835, 58998), (840, 59016), (850, 59043), (857, 59070), (860, 59088), (874, 59142), (882, 59172), (896, 59214), (907, 59250),

Gene: Herbertwm_42 Start: 30692, Stop: 28857, Start Num: 181

Candidate Starts for Herbertwm_42:

(Start: 181 @30692 has 918 MA's), (273, 30488), (275, 30485), (303, 30410), (311, 30383), (316, 30368), (323, 30356), (332, 30335), (378, 30203), (438, 30110), (466, 30053), (545, 29882), (628, 29693), (649, 29612), (667, 29561), (677, 29525), (685, 29489), (692, 29459), (706, 29420), (722, 29399), (728, 29378), (767, 29261), (782, 29234), (801, 29198), (816, 29180), (828, 29144), (829, 29141), (832, 29120), (859, 29042), (874, 28985), (884, 28964), (925, 28865),

Gene: Hercules11_48 Start: 31861, Stop: 30047, Start Num: 181

Candidate Starts for Hercules11_48:

(Start: 181 @31861 has 918 MA's), (206, 31822), (214, 31810), (273, 31657), (281, 31642), (302, 31585), (323, 31528), (328, 31519), (341, 31477), (360, 31426), (378, 31375), (438, 31282), (458, 31234), (466, 31225), (472, 31210), (489, 31171), (499, 31144), (514, 31114), (555, 31021), (584, 30961), (595, 30946), (649, 30790), (677, 30703), (692, 30637), (706, 30598), (729, 30526), (739, 30487), (750, 30463), (757, 30445), (767, 30412), (782, 30385), (816, 30331), (832, 30271), (859, 30193), (874, 30136), (880, 30124), (884, 30115),

Gene: HerculesXL_37 Start: 27313, Stop: 25415, Start Num: 207

Candidate Starts for HerculesXL_37:

(2, 28051), (3, 28045), (33, 27790), (170, 27364), (Start: 207 @27313 has 19 MA's), (Start: 232 @27250 has 11 MA's), (255, 27199), (275, 27160), (300, 27103), (329, 27046), (332, 27037), (335, 27025), (338, 27019), (354, 26968), (367, 26929), (398, 26866), (410, 26821), (434, 26746), (437, 26737), (440, 26725), (451, 26695), (461, 26674), (468, 26662), (480, 26638), (570, 26488), (654, 26227), (680, 26125), (683, 26104), (692, 26068), (705, 26032), (707, 26026), (735, 25939), (743,

25912), (787, 25780), (804, 25741), (817, 25720), (829, 25681), (833, 25657), (835, 25651), (844, 25624), (874, 25513),

Gene: Hermia_46 Start: 35549, Stop: 33723, Start Num: 181

Candidate Starts for Hermia_46:

(Start: 181 @35549 has 918 MA's), (277, 35336), (285, 35321), (311, 35243), (318, 35222), (323, 35216), (328, 35207), (369, 35090), (378, 35063), (438, 34970), (443, 34955), (483, 34871), (484, 34868), (514, 34802), (542, 34742), (562, 34697), (583, 34658), (649, 34478), (665, 34430), (677, 34391), (692, 34325), (706, 34286), (722, 34265), (728, 34244), (733, 34226), (757, 34160), (825, 34019), (828, 34010), (829, 34007), (836, 33971), (846, 33947), (852, 33938), (856, 33926), (874, 33851), (884, 33830),

Gene: HermioneGrange_44 Start: 34683, Stop: 32854, Start Num: 181

Candidate Starts for HermioneGrange_44:

(Start: 181 @34683 has 918 MA's), (277, 34470), (285, 34455), (302, 34407), (311, 34377), (318, 34356), (323, 34350), (328, 34341), (369, 34224), (378, 34197), (438, 34104), (443, 34089), (483, 34005), (484, 34002), (514, 33936), (530, 33906), (542, 33876), (562, 33831), (583, 33792), (649, 33612), (665, 33564), (680, 33516), (689, 33477), (692, 33459), (706, 33420), (722, 33399), (728, 33378), (779, 33240), (853, 33069), (858, 33045), (867, 33012), (871, 32997), (874, 32985), (884, 32964), (887, 32958), (903, 32910), (908, 32895),

Gene: Hexamo_45 Start: 29412, Stop: 27571, Start Num: 181

Candidate Starts for Hexamo_45:

(Start: 157 @29442 has 1 MA's), (Start: 181 @29412 has 918 MA's), (273, 29208), (302, 29133), (303, 29130), (311, 29103), (316, 29088), (323, 29076), (341, 29025), (374, 28935), (378, 28923), (438, 28830), (453, 28791), (466, 28773), (472, 28758), (499, 28692), (516, 28659), (517, 28656), (564, 28554), (595, 28494), (628, 28410), (649, 28329), (676, 28245), (677, 28242), (680, 28233), (685, 28206), (692, 28176), (722, 28116), (733, 28077), (828, 27861), (829, 27858), (832, 27837), (874, 27702), (880, 27690), (884, 27681), (885, 27678), (923, 27585),

Gene: Hexbug_51 Start: 35224, Stop: 32828, Start Num: 26

Candidate Starts for Hexbug_51:

(8, 35353), (9, 35344), (Start: 26 @35224 has 25 MA's), (50, 35092), (52, 35080), (57, 35035), (73, 34972), (80, 34951), (99, 34918), (132, 34861), (164, 34813), (Start: 172 @34798 has 3 MA's), (204, 34750), (238, 34675), (239, 34669), (240, 34663), (242, 34657), (274, 34588), (287, 34564), (296, 34540), (329, 34465), (335, 34444), (350, 34396), (355, 34384), (372, 34339), (425, 34183), (427, 34177), (496, 34048), (552, 34000), (558, 33988), (596, 33916), (618, 33874), (648, 33763), (653, 33721), (656, 33697), (659, 33688), (672, 33646), (692, 33553), (705, 33517), (707, 33511), (709, 33505), (711, 33499), (729, 33442), (735, 33418), (740, 33400), (768, 33307), (797, 33238), (817, 33199), (829, 33160), (832, 33139), (842, 33106), (851, 33088), (874, 32992), (880, 32968), (894, 32929), (922, 32860),

Gene: Heylee_57 Start: 36664, Stop: 34496, Start Num: 158

Candidate Starts for Heylee_57:

(155, 36667), (Start: 158 @36664 has 13 MA's), (195, 36610), (Start: 230 @36526 has 5 MA's), (289, 36373), (293, 36364), (306, 36319), (328, 36241), (330, 36232), (335, 36217), (341, 36202), (342, 36199), (362, 36142), (393, 36049), (401, 36007), (469, 35812), (473, 35800), (475, 35794), (486, 35770), (493, 35749), (501, 35728), (505, 35713), (509, 35707), (541, 35644), (562, 35593), (587, 35506), (616, 35446), (628, 35398), (652, 35296), (655, 35290), (669, 35263), (670, 35260), (676, 35239), (686, 35197), (688, 35191), (693, 35167), (707, 35125), (708, 35122), (716, 35095), (723, 35062), (727, 35050), (736, 35014), (745, 34990), (748, 34984), (750, 34978), (768, 34924), (792, 34876), (795, 34873), (820, 34813), (828, 34789), (834, 34759), (854, 34705), (857, 34696), (871, 34636), (874, 34624), (885, 34585),

Gene: HippoHollow_44 Start: 32838, Stop: 31045, Start Num: 181

Candidate Starts for HippoHollow_44:

(Start: 181 @32838 has 918 MA's), (275, 32631), (277, 32625), (286, 32610), (291, 32595), (303, 32559), (311, 32532), (323, 32505), (332, 32484), (378, 32352), (438, 32259), (458, 32211), (466, 32202), (472, 32187), (499, 32121), (539, 32040), (560, 31992), (562, 31986), (583, 31947), (649, 31767), (660, 31737), (667, 31710), (676, 31677), (677, 31674), (692, 31608), (706, 31569), (722, 31548), (725, 31536), (728, 31527), (731, 31515), (813, 31335), (816, 31329), (828, 31293), (832, 31269), (859, 31191), (874, 31134), (880, 31122), (884, 31113),

Gene: HippoPololi_40 Start: 31759, Stop: 29405, Start Num: 25

Candidate Starts for HippoPololi_40:

(18, 31786), (Start: 25 @31759 has 1 MA's), (31, 31744), (34, 31708), (73, 31513), (196, 31306), (Start: 215 @31276 has 5 MA's), (238, 31219), (255, 31183), (263, 31168), (284, 31126), (287, 31120), (296, 31096), (312, 31042), (335, 31000), (407, 30802), (421, 30760), (427, 30742), (492, 30622), (570, 30529), (574, 30520), (596, 30484), (618, 30445), (621, 30433), (653, 30292), (662, 30250), (692, 30130), (705, 30094), (707, 30088), (709, 30082), (711, 30076), (718, 30052), (729, 30019), (735, 29995), (745, 29950), (768, 29884), (817, 29776), (835, 29707), (838, 29695), (848, 29671), (868, 29593), (871, 29581), (874, 29569), (880, 29545), (889, 29524), (896, 29500), (911, 29455), (922, 29437),

Gene: Hiro_36 Start: 28373, Stop: 26589, Start Num: 181

Candidate Starts for Hiro_36:

(Start: 181 @28373 has 918 MA's), (288, 28139), (299, 28109), (301, 28100), (302, 28097), (316, 28052), (323, 28040), (328, 28031), (341, 27989), (378, 27887), (391, 27866), (438, 27794), (455, 27749), (458, 27746), (480, 27704), (482, 27698), (489, 27683), (499, 27656), (549, 27551), (562, 27524), (583, 27485), (649, 27305), (665, 27257), (692, 27152), (693, 27149), (722, 27092), (728, 27071), (741, 27023), (769, 26948), (813, 26879), (828, 26837), (832, 26813), (859, 26735), (874, 26678), (880, 26666), (900, 26609),

Gene: Horex_44 Start: 31507, Stop: 29714, Start Num: 181

Candidate Starts for Horex_44:

(Start: 181 @31507 has 918 MA's), (187, 31498), (214, 31456), (259, 31336), (261, 31333), (282, 31285), (303, 31225), (312, 31195), (316, 31183), (323, 31171), (378, 31018), (438, 30925), (499, 30787), (514, 30757), (586, 30598), (595, 30586), (616, 30559), (646, 30451), (649, 30430), (689, 30295), (692, 30277), (728, 30196), (739, 30154), (767, 30079), (813, 30004), (828, 29962), (859, 29860), (874, 29803), (880, 29791), (884, 29782),

Gene: Holli_44 Start: 31360, Stop: 29534, Start Num: 181

Candidate Starts for Holli_44:

(Start: 181 @31360 has 918 MA's), (195, 31339), (214, 31309), (224, 31279), (291, 31117), (298, 31099), (323, 31027), (328, 31018), (370, 30898), (378, 30874), (438, 30781), (460, 30733), (472, 30712), (489, 30673), (549, 30541), (560, 30520), (583, 30475), (586, 30463), (646, 30310), (649, 30289), (685, 30166), (692, 30136), (706, 30097), (728, 30031), (729, 30028), (733, 30013), (739, 29989), (750, 29965), (832, 29758), (874, 29623), (880, 29611), (884, 29602),

Gene: Homines_37 Start: 30760, Stop: 28934, Start Num: 181

Candidate Starts for Homines_37:

(Start: 181 @30760 has 918 MA's), (277, 30547), (285, 30532), (302, 30484), (311, 30454), (318, 30433), (323, 30427), (328, 30418), (369, 30301), (378, 30274), (438, 30181), (443, 30166), (458, 30133), (483, 30082), (484, 30079), (514, 30013), (530, 29983), (542, 29953), (562, 29908), (583, 29869), (649, 29689), (660, 29659), (665, 29641), (667, 29638), (677, 29602), (692, 29536), (728, 29455), (729, 29452), (757, 29371), (828, 29221), (829, 29218), (836, 29182), (846, 29158), (852,

29149), (856, 29137), (874, 29062), (884, 29041),

Gene: Honk_44 Start: 28246, Stop: 30111, Start Num: 180

Candidate Starts for Honk_44:

(Start: 180 @28246 has 21 MA's), (213, 28294), (235, 28354), (273, 28450), (318, 28567), (440, 28840), (458, 28882), (489, 28948), (542, 29062), (560, 29101), (588, 29164), (627, 29269), (628, 29278), (649, 29359), (667, 29410), (683, 29476), (685, 29482), (693, 29515), (748, 29671), (758, 29698), (799, 29785), (846, 29911), (852, 29920), (857, 29935), (874, 30007), (882, 30022), (888, 30037),

Gene: Hookmount_44 Start: 31598, Stop: 29760, Start Num: 181

Candidate Starts for Hookmount_44:

(Start: 181 @31598 has 918 MA's), (214, 31547), (273, 31394), (302, 31322), (311, 31292), (323, 31265), (328, 31256), (378, 31112), (438, 31016), (460, 30968), (489, 30908), (531, 30821), (549, 30776), (560, 30755), (596, 30683), (618, 30641), (628, 30599), (649, 30518), (665, 30470), (677, 30431), (685, 30395), (692, 30365), (704, 30335), (729, 30254), (739, 30215), (750, 30191), (757, 30173), (758, 30170), (816, 30044), (832, 29984), (862, 29897), (874, 29849), (880, 29837), (884, 29828),

Gene: Hoot_45 Start: 29605, Stop: 27764, Start Num: 181

Candidate Starts for Hoot_45:

(Start: 181 @29605 has 918 MA's), (273, 29401), (302, 29326), (303, 29323), (311, 29296), (316, 29281), (323, 29269), (341, 29218), (374, 29128), (378, 29116), (438, 29023), (453, 28984), (466, 28966), (472, 28951), (499, 28885), (516, 28852), (517, 28849), (564, 28747), (595, 28687), (628, 28603), (649, 28522), (676, 28438), (677, 28435), (680, 28426), (685, 28399), (692, 28369), (722, 28309), (733, 28270), (828, 28054), (829, 28051), (832, 28030), (874, 27895), (880, 27883), (884, 27874), (885, 27871), (923, 27778),

Gene: Hope4ever_46 Start: 35139, Stop: 33313, Start Num: 181

Candidate Starts for Hope4ever_46:

(Start: 181 @35139 has 918 MA's), (277, 34926), (302, 34863), (311, 34833), (318, 34812), (323, 34806), (328, 34797), (369, 34680), (378, 34653), (438, 34560), (443, 34545), (483, 34461), (484, 34458), (514, 34392), (530, 34362), (542, 34332), (562, 34287), (583, 34248), (649, 34068), (665, 34020), (677, 33981), (692, 33915), (706, 33876), (722, 33855), (728, 33834), (733, 33816), (757, 33750), (828, 33600), (829, 33597), (836, 33561), (846, 33537), (852, 33528), (856, 33516), (874, 33441), (884, 33420),

Gene: Horseradish_45 Start: 32448, Stop: 30058, Start Num: 20

Candidate Starts for Horseradish_45:

(Start: 20 @32448 has 19 MA's), (36, 32385), (41, 32367), (43, 32352), (52, 32298), (53, 32286), (55, 32265), (64, 32232), (69, 32205), (73, 32181), (90, 32154), (Start: 142 @32049 has 1 MA's), (176, 32001), (238, 31884), (274, 31803), (288, 31776), (296, 31755), (312, 31701), (313, 31698), (329, 31680), (335, 31659), (355, 31599), (427, 31401), (440, 31359), (496, 31272), (519, 31248), (542, 31242), (566, 31188), (570, 31182), (590, 31140), (596, 31137), (598, 31134), (648, 30987), (653, 30945), (659, 30918), (672, 30876), (692, 30783), (705, 30747), (707, 30741), (709, 30735), (711, 30729), (718, 30705), (729, 30672), (735, 30648), (745, 30603), (766, 30543), (829, 30390), (874, 30222), (889, 30177), (891, 30168), (894, 30159),

Gene: HortumSL17_45 Start: 31483, Stop: 29690, Start Num: 181

Candidate Starts for HortumSL17_45:

(Start: 181 @31483 has 918 MA's), (187, 31474), (214, 31432), (259, 31312), (261, 31309), (282, 31261), (303, 31201), (312, 31171), (316, 31159), (323, 31147), (378, 30994), (438, 30901), (499, 30763), (514, 30733), (586, 30574), (595, 30562), (616, 30535), (646, 30427), (649, 30406), (689,

30271), (692, 30253), (728, 30172), (739, 30130), (767, 30055), (813, 29980), (828, 29938), (859, 29836), (874, 29779), (880, 29767), (884, 29758),

Gene: Houdini22_45 Start: 31574, Stop: 29748, Start Num: 181

Candidate Starts for Houdini22_45:

(Start: 181 @31574 has 918 MA's), (195, 31553), (214, 31523), (224, 31493), (291, 31331), (298, 31313), (323, 31241), (328, 31232), (370, 31112), (378, 31088), (438, 30995), (460, 30947), (472, 30926), (489, 30887), (549, 30755), (560, 30734), (583, 30689), (586, 30677), (646, 30524), (649, 30503), (685, 30380), (692, 30350), (706, 30311), (728, 30245), (729, 30242), (733, 30227), (739, 30203), (750, 30179), (832, 29972), (874, 29837), (880, 29825), (884, 29816),

Gene: HuhtaEnerson15_39 Start: 30586, Stop: 28721, Start Num: 181

Candidate Starts for HuhtaEnerson15_39:

(Start: 181 @30586 has 918 MA's), (214, 30535), (236, 30475), (261, 30412), (273, 30382), (275, 30379), (299, 30322), (302, 30310), (311, 30280), (323, 30253), (378, 30100), (438, 30004), (458, 29956), (497, 29872), (499, 29866), (537, 29794), (549, 29761), (555, 29746), (562, 29734), (614, 29635), (649, 29500), (660, 29470), (665, 29452), (674, 29434), (677, 29413), (680, 29404), (692, 29347), (706, 29308), (728, 29266), (733, 29248), (750, 29200), (767, 29149), (796, 29095), (801, 29086), (816, 29068), (832, 29008), (837, 28990), (868, 28897), (874, 28873), (880, 28861), (923, 28756),

Gene: HungryHenry_38 Start: 28624, Stop: 26759, Start Num: 211

Candidate Starts for HungryHenry_38:

(Start: 140 @28711 has 3 MA's), (Start: 142 @28708 has 1 MA's), (Start: 211 @28624 has 115 MA's), (Start: 215 @28615 has 5 MA's), (255, 28510), (259, 28501), (275, 28471), (276, 28468), (332, 28348), (335, 28336), (338, 28330), (374, 28225), (384, 28198), (434, 28057), (435, 28051), (437, 28048), (440, 28036), (450, 28009), (451, 28006), (458, 27991), (461, 27985), (466, 27979), (481, 27946), (561, 27817), (584, 27757), (685, 27442), (688, 27433), (689, 27430), (692, 27412), (707, 27370), (709, 27364), (712, 27355), (718, 27340), (735, 27283), (787, 27124), (802, 27094), (804, 27085), (829, 27025), (833, 27001), (846, 26962), (857, 26929), (858, 26917), (874, 26857),

Gene: Hutc2_44 Start: 30330, Stop: 28543, Start Num: 181

Candidate Starts for Hutc2_44:

(Start: 181 @30330 has 918 MA's), (273, 30126), (302, 30054), (311, 30024), (323, 29997), (440, 29745), (466, 29694), (499, 29613), (523, 29568), (524, 29565), (560, 29484), (586, 29427), (617, 29385), (628, 29340), (649, 29259), (667, 29208), (677, 29172), (692, 29106), (722, 29046), (725, 29034), (760, 28932), (767, 28908), (777, 28890), (816, 28827), (825, 28800), (828, 28791), (832, 28767), (874, 28632), (880, 28620), (884, 28611),

Gene: Huwburt_71 Start: 43958, Stop: 46630, Start Num: 13

Candidate Starts for Huwburt_71:

(Start: 13 @43958 has 2 MA's), (29, 44048), (30, 44051), (31, 44054), (40, 44114), (57, 44231), (97, 44360), (Start: 209 @44537 has 41 MA's), (Start: 215 @44549 has 5 MA's), (Start: 230 @44594 has 5 MA's), (237, 44609), (245, 44636), (290, 44735), (300, 44765), (312, 44804), (335, 44846), (354, 44903), (359, 44918), (390, 44972), (427, 45083), (483, 45224), (538, 45353), (556, 45398), (558, 45401), (566, 45419), (585, 45476), (618, 45536), (635, 45596), (678, 45791), (692, 45854), (713, 45917), (735, 45992), (759, 46073), (768, 46103), (802, 46181), (817, 46211), (829, 46250), (834, 46277), (836, 46286), (857, 46352), (874, 46424), (876, 46433), (885, 46463), (932, 46589), (934, 46607),

Gene: Huxley_45 Start: 31631, Stop: 29805, Start Num: 181

Candidate Starts for Huxley_45:

(Start: 181 @31631 has 918 MA's), (195, 31610), (214, 31580), (224, 31550), (291, 31388), (298, 31370), (323, 31298), (328, 31289), (370, 31169), (378, 31145), (438, 31052), (460, 31004), (472, 30983), (489, 30944), (549, 30812), (560, 30791), (583, 30746), (586, 30734), (646, 30581), (649, 30560), (685, 30437), (692, 30407), (706, 30368), (728, 30302), (729, 30299), (733, 30284), (739, 30260), (750, 30236), (832, 30029), (874, 29894), (880, 29882), (884, 29873),

Gene: IAmGroot_48 Start: 31892, Stop: 33757, Start Num: 180

Candidate Starts for IAmGroot_48:

(Start: 180 @31892 has 21 MA's), (311, 32189), (345, 32279), (489, 32594), (539, 32699), (542, 32708), (560, 32747), (588, 32810), (649, 33005), (672, 33068), (683, 33122), (685, 33128), (693, 33161), (725, 33248), (748, 33317), (758, 33344), (874, 33653),

Gene: ICleared_45 Start: 31599, Stop: 29773, Start Num: 181

Candidate Starts for ICleared_45:

(Start: 181 @31599 has 918 MA's), (195, 31578), (214, 31548), (224, 31518), (291, 31356), (298, 31338), (323, 31266), (328, 31257), (370, 31137), (378, 31113), (438, 31020), (460, 30972), (472, 30951), (489, 30912), (549, 30780), (560, 30759), (583, 30714), (586, 30702), (646, 30549), (649, 30528), (685, 30405), (692, 30375), (706, 30336), (728, 30270), (729, 30267), (739, 30228), (750, 30204), (832, 29997), (874, 29862), (880, 29850), (884, 29841),

Gene: ILeeKay_49 Start: 35713, Stop: 33884, Start Num: 181

Candidate Starts for ILeeKay_49:

(Start: 181 @35713 has 918 MA's), (277, 35500), (285, 35485), (311, 35407), (318, 35386), (323, 35380), (328, 35371), (369, 35254), (378, 35227), (438, 35134), (443, 35119), (458, 35086), (483, 35035), (484, 35032), (506, 34978), (514, 34966), (530, 34936), (542, 34906), (562, 34861), (583, 34822), (649, 34642), (665, 34594), (680, 34546), (689, 34507), (692, 34489), (706, 34450), (722, 34429), (728, 34408), (732, 34393), (779, 34270), (853, 34099), (858, 34075), (871, 34027), (874, 34015), (884, 33994), (887, 33988), (903, 33940), (908, 33925),

Gene: IUFootball_42 Start: 31379, Stop: 33223, Start Num: 181

Candidate Starts for IUFootball_42:

(Start: 102 @31253 has 1 MA's), (105, 31256), (Start: 181 @31379 has 918 MA's), (311, 31676), (440, 31952), (487, 32054), (494, 32075), (560, 32213), (588, 32276), (649, 32471), (650, 32477), (660, 32501), (677, 32558), (690, 32615), (692, 32624), (733, 32741), (750, 32789), (824, 32948), (828, 32960), (855, 33041), (874, 33119), (892, 33164),

Gene: Ibantik_18 Start: 8692, Stop: 6680, Start Num: 181

Candidate Starts for Ibantik_18:

(Start: 181 @8692 has 918 MA's), (277, 8473), (291, 8443), (361, 8248), (366, 8236), (378, 8200), (385, 8179), (395, 8122), (438, 7954), (483, 7849), (489, 7837), (503, 7795), (614, 7585), (649, 7450), (682, 7336), (684, 7327), (692, 7294), (706, 7228), (750, 7105), (825, 6946), (853, 6862), (855, 6856), (857, 6850), (860, 6832), (868, 6802), (874, 6778),

Gene: Icarian_45 Start: 30940, Stop: 32814, Start Num: 171

Candidate Starts for Icarian_45:

(Start: 171 @30940 has 61 MA's), (Start: 219 @31009 has 1 MA's), (227, 31030), (302, 31210), (328, 31276), (333, 31291), (341, 31318), (489, 31612), (594, 31846), (634, 31966), (635, 31969), (649, 32029), (650, 32035), (667, 32080), (674, 32095), (675, 32110), (683, 32146), (692, 32182), (726, 32275), (758, 32368), (793, 32446), (795, 32449), (828, 32518), (832, 32542), (836, 32557), (855, 32599), (858, 32617), (874, 32677), (884, 32698),

Gene: Iceman_45 Start: 31856, Stop: 30030, Start Num: 181

Candidate Starts for Iceman_45:

(Start: 181 @31856 has 918 MA's), (195, 31835), (214, 31805), (224, 31775), (291, 31613), (298, 31595), (323, 31523), (328, 31514), (370, 31394), (378, 31370), (438, 31277), (460, 31229), (472, 31208), (489, 31169), (549, 31037), (560, 31016), (583, 30971), (586, 30959), (646, 30806), (649, 30785), (685, 30662), (692, 30632), (706, 30593), (728, 30527), (729, 30524), (733, 30509), (739, 30485), (750, 30461), (832, 30254), (874, 30119), (880, 30107), (884, 30098),

Gene: Ichabod_46 Start: 34837, Stop: 33011, Start Num: 181

Candidate Starts for Ichabod_46:

(Start: 181 @34837 has 918 MA's), (277, 34624), (302, 34561), (311, 34531), (318, 34510), (323, 34504), (328, 34495), (369, 34378), (378, 34351), (438, 34258), (443, 34243), (458, 34210), (483, 34159), (484, 34156), (514, 34090), (530, 34060), (542, 34030), (562, 33985), (583, 33946), (649, 33766), (665, 33718), (677, 33679), (692, 33613), (706, 33574), (722, 33553), (728, 33532), (733, 33514), (757, 33448), (828, 33298), (829, 33295), (846, 33235), (852, 33226), (856, 33214), (874, 33139), (884, 33118),

Gene: Ichor_55 Start: 36879, Stop: 34711, Start Num: 158

Candidate Starts for Ichor_55:

(155, 36882), (Start: 158 @36879 has 13 MA's), (195, 36825), (Start: 230 @36741 has 5 MA's), (289, 36588), (293, 36579), (306, 36534), (328, 36456), (330, 36447), (335, 36432), (341, 36417), (342, 36414), (362, 36357), (393, 36264), (401, 36222), (469, 36027), (473, 36015), (475, 36009), (486, 35985), (493, 35964), (501, 35943), (505, 35928), (509, 35922), (541, 35859), (562, 35808), (587, 35721), (616, 35661), (628, 35613), (652, 35511), (655, 35505), (669, 35478), (670, 35475), (676, 35454), (686, 35412), (688, 35406), (693, 35382), (707, 35340), (708, 35337), (716, 35310), (723, 35277), (727, 35265), (736, 35229), (745, 35205), (748, 35199), (750, 35193), (768, 35139), (792, 35091), (795, 35088), (820, 35028), (828, 35004), (834, 34974), (854, 34920), (871, 34851), (874, 34839), (885, 34800),

Gene: Idleandcovert_46 Start: 31555, Stop: 29717, Start Num: 181

Candidate Starts for Idleandcovert_46:

(Start: 181 @31555 has 918 MA's), (214, 31504), (238, 31438), (273, 31351), (299, 31291), (302, 31279), (323, 31222), (328, 31213), (370, 31093), (378, 31069), (438, 30973), (460, 30925), (489, 30865), (517, 30802), (549, 30733), (560, 30712), (596, 30640), (618, 30598), (628, 30556), (649, 30475), (665, 30427), (685, 30352), (692, 30322), (704, 30292), (729, 30211), (739, 30172), (750, 30148), (757, 30130), (816, 30001), (832, 29941), (874, 29806), (880, 29794), (884, 29785),

Gene: IgnatiusPatJac_44 Start: 34736, Stop: 32907, Start Num: 181

Candidate Starts for IgnatiusPatJac_44:

(Start: 181 @34736 has 918 MA's), (277, 34523), (302, 34460), (311, 34430), (318, 34409), (323, 34403), (328, 34394), (369, 34277), (378, 34250), (438, 34157), (443, 34142), (458, 34109), (483, 34058), (484, 34055), (514, 33989), (542, 33929), (562, 33884), (583, 33845), (649, 33665), (665, 33617), (680, 33569), (689, 33530), (692, 33512), (706, 33473), (722, 33452), (728, 33431), (732, 33416), (779, 33293), (853, 33122), (858, 33098), (871, 33050), (874, 33038), (884, 33017), (887, 33011), (903, 32963), (908, 32948),

Gene: Ilzat_38 Start: 28635, Stop: 26770, Start Num: 211

Candidate Starts for Ilzat_38:

(Start: 140 @28722 has 3 MA's), (Start: 142 @28719 has 1 MA's), (Start: 211 @28635 has 115 MA's), (Start: 215 @28626 has 5 MA's), (255, 28521), (259, 28512), (275, 28482), (276, 28479), (332, 28359), (335, 28347), (338, 28341), (374, 28236), (384, 28209), (434, 28068), (435, 28062), (437, 28059), (440, 28047), (450, 28020), (451, 28017), (458, 28002), (461, 27996), (466, 27990), (481, 27957), (561, 27828), (584, 27768), (685, 27453), (688, 27444), (689, 27441), (692, 27423), (707, 27381), (709, 27375), (712, 27366), (718, 27351), (735, 27294), (787, 27135), (802, 27105), (804, 27096), (829, 27036), (833, 27012), (846, 26973), (857, 26940), (858, 26928), (874, 26868),

Gene: Indra_48 Start: 29792, Stop: 27951, Start Num: 181

Candidate Starts for Indra_48:

(Start: 181 @29792 has 918 MA's), (273, 29588), (302, 29513), (303, 29510), (311, 29483), (316, 29468), (323, 29456), (341, 29405), (374, 29315), (378, 29303), (438, 29210), (453, 29171), (466, 29153), (472, 29138), (499, 29072), (516, 29039), (517, 29036), (564, 28934), (595, 28874), (628, 28790), (649, 28709), (676, 28625), (677, 28622), (680, 28613), (685, 28586), (692, 28556), (722, 28496), (733, 28457), (828, 28241), (829, 28238), (832, 28217), (874, 28082), (880, 28070), (884, 28061), (885, 28058), (923, 27965),

Gene: IndyLu_42 Start: 29805, Stop: 31679, Start Num: 171

Candidate Starts for IndyLu_42:

(Start: 171 @29805 has 61 MA's), (Start: 219 @29874 has 1 MA's), (227, 29895), (328, 30141), (333, 30156), (366, 30237), (489, 30477), (594, 30711), (634, 30831), (635, 30834), (649, 30894), (674, 30960), (675, 30975), (683, 31011), (692, 31047), (726, 31140), (793, 31311), (795, 31314), (828, 31383), (836, 31422), (855, 31464), (858, 31482), (874, 31542), (884, 31563),

Gene: Insomnia_45 Start: 30835, Stop: 29048, Start Num: 181

Candidate Starts for Insomnia_45:

(Start: 181 @30835 has 918 MA's), (273, 30631), (302, 30559), (311, 30529), (323, 30502), (440, 30250), (466, 30199), (499, 30118), (523, 30073), (560, 29989), (586, 29932), (617, 29890), (628, 29845), (649, 29764), (667, 29713), (677, 29677), (692, 29611), (722, 29551), (725, 29539), (760, 29437), (767, 29413), (777, 29395), (816, 29332), (825, 29305), (828, 29296), (832, 29272), (874, 29137), (880, 29125), (884, 29116),

Gene: Inventa_39 Start: 28930, Stop: 27065, Start Num: 211

Candidate Starts for Inventa_39:

(Start: 140 @29017 has 3 MA's), (Start: 142 @29014 has 1 MA's), (Start: 211 @28930 has 115 MA's), (Start: 215 @28921 has 5 MA's), (255, 28816), (259, 28807), (275, 28777), (276, 28774), (332, 28654), (335, 28642), (338, 28636), (374, 28531), (384, 28504), (434, 28363), (435, 28357), (437, 28354), (440, 28342), (450, 28315), (451, 28312), (458, 28297), (461, 28291), (466, 28285), (481, 28252), (584, 28063), (685, 27748), (688, 27739), (689, 27736), (692, 27718), (707, 27676), (709, 27670), (712, 27661), (718, 27646), (735, 27589), (787, 27430), (802, 27400), (804, 27391), (829, 27331), (833, 27307), (846, 27268), (857, 27235), (858, 27223), (874, 27163),

Gene: Inyanga_42 Start: 33573, Stop: 31747, Start Num: 181

Candidate Starts for Inyanga_42:

(Start: 181 @33573 has 918 MA's), (277, 33360), (285, 33345), (302, 33297), (311, 33267), (318, 33246), (323, 33240), (328, 33231), (369, 33114), (378, 33087), (438, 32994), (443, 32979), (483, 32895), (484, 32892), (514, 32826), (530, 32796), (542, 32766), (562, 32721), (583, 32682), (649, 32502), (660, 32472), (665, 32454), (677, 32415), (692, 32349), (728, 32268), (729, 32265), (757, 32184), (828, 32034), (829, 32031), (836, 31995), (846, 31971), (856, 31950), (874, 31875), (884, 31854),

Gene: Ioannes_39 Start: 28925, Stop: 27069, Start Num: 215

Candidate Starts for Ioannes_39:

(Start: 140 @29021 has 3 MA's), (Start: 142 @29018 has 1 MA's), (Start: 211 @28934 has 115 MA's), (Start: 215 @28925 has 5 MA's), (255, 28820), (259, 28811), (275, 28781), (276, 28778), (332, 28658), (335, 28646), (338, 28640), (374, 28535), (384, 28508), (434, 28367), (435, 28361), (437, 28358), (440, 28346), (450, 28319), (451, 28316), (458, 28301), (461, 28295), (466, 28289), (481, 28256), (561, 28127), (584, 28067), (685, 27752), (688, 27743), (689, 27740), (692, 27722), (707, 27680), (709, 27674), (712, 27665), (718, 27650), (735, 27593), (787, 27434), (802, 27404), (804, 27395), (829, 27335), (833, 27311), (846, 27272), (857, 27239), (858, 27227), (874, 27167),

Gene: Iqorha_42 Start: 33572, Stop: 31746, Start Num: 181

Candidate Starts for Iqorha_42:

(Start: 181 @33572 has 918 MA's), (277, 33359), (285, 33344), (302, 33296), (311, 33266), (318, 33245), (323, 33239), (328, 33230), (369, 33113), (378, 33086), (438, 32993), (443, 32978), (483, 32894), (484, 32891), (514, 32825), (530, 32795), (542, 32765), (562, 32720), (583, 32681), (649, 32501), (660, 32471), (665, 32453), (677, 32414), (692, 32348), (728, 32267), (729, 32264), (757, 32183), (828, 32033), (829, 32030), (836, 31994), (846, 31970), (856, 31949), (874, 31874), (884, 31853),

Gene: Iracema64_46 Start: 31834, Stop: 30008, Start Num: 181

Candidate Starts for Iracema64_46:

(Start: 181 @31834 has 918 MA's), (195, 31813), (214, 31783), (224, 31753), (291, 31591), (298, 31573), (323, 31501), (328, 31492), (370, 31372), (378, 31348), (438, 31255), (460, 31207), (472, 31186), (489, 31147), (549, 31015), (560, 30994), (583, 30949), (586, 30937), (646, 30784), (649, 30763), (685, 30640), (692, 30610), (706, 30571), (728, 30505), (729, 30502), (733, 30487), (739, 30463), (750, 30439), (832, 30232), (874, 30097), (880, 30085), (884, 30076),

Gene: IronMan_44 Start: 32460, Stop: 30670, Start Num: 181

Candidate Starts for IronMan_44:

(Start: 181 @32460 has 918 MA's), (273, 32256), (277, 32247), (303, 32178), (311, 32151), (323, 32124), (378, 31971), (438, 31878), (458, 31830), (466, 31821), (472, 31806), (499, 31740), (516, 31707), (553, 31623), (595, 31542), (617, 31512), (649, 31386), (660, 31356), (667, 31335), (685, 31263), (689, 31251), (692, 31233), (706, 31194), (722, 31173), (728, 31152), (731, 31140), (801, 30972), (828, 30918), (832, 30894), (855, 30837), (859, 30816), (874, 30759), (880, 30747), (884, 30738),

Gene: Isca_44 Start: 30978, Stop: 29140, Start Num: 181

Candidate Starts for Isca_44:

(133, 31050), (Start: 181 @30978 has 918 MA's), (214, 30927), (273, 30774), (291, 30735), (302, 30702), (323, 30645), (328, 30636), (332, 30624), (370, 30516), (378, 30492), (438, 30396), (460, 30348), (489, 30288), (549, 30156), (560, 30135), (598, 30060), (618, 30021), (628, 29979), (649, 29898), (677, 29811), (685, 29775), (692, 29745), (729, 29634), (739, 29595), (750, 29571), (757, 29553), (758, 29550), (813, 29430), (816, 29424), (832, 29364), (874, 29229), (880, 29217), (884, 29208),

Gene: Isiphiwo_43 Start: 29164, Stop: 27323, Start Num: 181

Candidate Starts for Isiphiwo_43:

(Start: 181 @29164 has 918 MA's), (273, 28960), (302, 28885), (303, 28882), (311, 28855), (316, 28840), (323, 28828), (341, 28777), (374, 28687), (378, 28675), (438, 28582), (453, 28543), (466, 28525), (472, 28510), (499, 28444), (516, 28411), (517, 28408), (564, 28306), (595, 28246), (628, 28162), (649, 28081), (676, 27997), (677, 27994), (680, 27985), (685, 27958), (692, 27928), (722, 27868), (733, 27829), (739, 27805), (828, 27613), (829, 27610), (832, 27589), (874, 27454), (880, 27442), (884, 27433), (885, 27430), (923, 27337),

Gene: Iter_41 Start: 29603, Stop: 31468, Start Num: 181

Candidate Starts for Iter_41:

(Start: 181 @29603 has 918 MA's), (213, 29651), (277, 29816), (311, 29900), (345, 29990), (440, 30197), (443, 30206), (484, 30296), (489, 30305), (494, 30320), (560, 30458), (619, 30596), (649, 30716), (660, 30746), (677, 30803), (692, 30869), (726, 30962), (750, 31034), (874, 31364), (879, 31373),

Gene: IttyBittyPiggy_41 Start: 29144, Stop: 31009, Start Num: 181

Candidate Starts for IttyBittyPiggy_41:

(Start: 181 @29144 has 918 MA's), (213, 29192), (358, 29561), (440, 29738), (489, 29846), (494, 29861), (560, 29999), (619, 30137), (649, 30257), (677, 30344), (692, 30410), (726, 30503), (874, 30905), (879, 30914),

Gene: Iwokeuplikedis_47 Start: 31404, Stop: 29578, Start Num: 181

Candidate Starts for Iwokeuplikedis_47:

(Start: 181 @31404 has 918 MA's), (273, 31200), (277, 31191), (286, 31176), (291, 31161), (303, 31125), (311, 31098), (323, 31071), (332, 31050), (378, 30918), (438, 30825), (466, 30768), (472, 30753), (499, 30687), (539, 30606), (560, 30558), (562, 30552), (596, 30486), (628, 30414), (649, 30333), (667, 30282), (676, 30249), (677, 30246), (692, 30180), (706, 30141), (722, 30120), (745, 30045), (753, 30027), (767, 29982), (782, 29955), (801, 29919), (828, 29865), (832, 29841), (855, 29784), (859, 29763), (874, 29706), (880, 29694), (885, 29682), (923, 29589),

Gene: Ixel_38 Start: 27481, Stop: 25580, Start Num: 209

Candidate Starts for Ixel_38:

(Start: 209 @27481 has 41 MA's), (275, 27328), (276, 27325), (277, 27322), (300, 27271), (329, 27214), (332, 27205), (335, 27193), (338, 27187), (349, 27151), (367, 27097), (434, 26911), (437, 26902), (440, 26890), (451, 26860), (461, 26839), (468, 26827), (480, 26803), (570, 26653), (617, 26557), (654, 26392), (680, 26290), (692, 26233), (705, 26197), (707, 26191), (735, 26104), (745, 26059), (787, 25945), (817, 25885), (829, 25846), (833, 25822), (835, 25816), (844, 25789), (874, 25678),

Gene: JC27_45 Start: 34894, Stop: 33068, Start Num: 181

Candidate Starts for JC27_45:

(Start: 181 @34894 has 918 MA's), (277, 34681), (311, 34588), (318, 34567), (323, 34561), (328, 34552), (369, 34435), (378, 34408), (438, 34315), (443, 34300), (458, 34267), (483, 34216), (484, 34213), (514, 34147), (530, 34117), (542, 34087), (562, 34042), (583, 34003), (649, 33823), (665, 33775), (677, 33736), (692, 33670), (706, 33631), (722, 33610), (728, 33589), (733, 33571), (757, 33505), (828, 33355), (829, 33352), (836, 33316), (846, 33292), (852, 33283), (856, 33271), (862, 33244), (874, 33196), (884, 33175),

Gene: JF2_45 Start: 30729, Stop: 28891, Start Num: 181

Candidate Starts for JF2_45:

(133, 30801), (Start: 181 @30729 has 918 MA's), (214, 30678), (273, 30525), (291, 30486), (302, 30453), (323, 30396), (328, 30387), (332, 30375), (370, 30267), (378, 30243), (438, 30147), (460, 30099), (489, 30039), (549, 29907), (560, 29886), (595, 29817), (618, 29772), (628, 29730), (649, 29649), (677, 29562), (685, 29526), (692, 29496), (729, 29385), (739, 29346), (750, 29322), (757, 29304), (813, 29181), (816, 29175), (832, 29115), (873, 28983), (874, 28980), (880, 28968), (884, 28959),

Gene: JF4_45 Start: 30729, Stop: 28891, Start Num: 181

Candidate Starts for JF4_45:

(133, 30801), (Start: 181 @30729 has 918 MA's), (214, 30678), (273, 30525), (291, 30486), (302, 30453), (323, 30396), (328, 30387), (332, 30375), (370, 30267), (378, 30243), (438, 30147), (460, 30099), (489, 30039), (549, 29907), (560, 29886), (595, 29817), (618, 29772), (628, 29730), (649, 29649), (677, 29562), (685, 29526), (692, 29496), (729, 29385), (739, 29346), (750, 29322), (757, 29304), (813, 29181), (816, 29175), (832, 29115), (873, 28983), (874, 28980), (880, 28968), (884, 28959),

Gene: JHC117_48 Start: 31851, Stop: 30037, Start Num: 181

Candidate Starts for JHC117_48:

(Start: 181 @31851 has 918 MA's), (206, 31812), (214, 31800), (273, 31647), (281, 31632), (302, 31575), (323, 31518), (328, 31509), (341, 31467), (360, 31416), (378, 31365), (438, 31272), (458, 31224), (466, 31215), (472, 31200), (489, 31161), (499, 31134), (514, 31104), (555, 31011), (584, 30951), (595, 30936), (649, 30780), (677, 30693), (692, 30627), (706, 30588), (729, 30516), (739, 30477), (750, 30453), (757, 30435), (767, 30402), (782, 30375), (816, 30321), (832, 30261), (859, 30183), (874, 30126), (880, 30114), (884, 30105),

Gene: JSwag_46 Start: 29679, Stop: 27889, Start Num: 181

Candidate Starts for JSwag_46:

(Start: 181 @29679 has 918 MA's), (261, 29505), (302, 29400), (303, 29397), (311, 29370), (323, 29343), (341, 29292), (378, 29190), (438, 29097), (455, 29052), (458, 29049), (466, 29040), (539, 28878), (549, 28851), (560, 28830), (562, 28824), (619, 28725), (628, 28686), (644, 28635), (649, 28605), (667, 28554), (676, 28521), (683, 28488), (685, 28482), (692, 28452), (722, 28392), (728, 28371), (739, 28329), (751, 28302), (757, 28287), (796, 28200), (828, 28137), (829, 28134), (874, 27978), (880, 27966), (885, 27954),

Gene: Jaan_45 Start: 32749, Stop: 30959, Start Num: 181

Candidate Starts for Jaan_45:

(Start: 181 @32749 has 918 MA's), (273, 32545), (277, 32536), (303, 32467), (311, 32440), (323, 32413), (378, 32260), (438, 32167), (458, 32119), (466, 32110), (472, 32095), (499, 32029), (516, 31996), (553, 31912), (595, 31831), (617, 31801), (649, 31675), (667, 31624), (685, 31552), (692, 31522), (706, 31483), (722, 31462), (728, 31441), (731, 31429), (801, 31261), (828, 31207), (832, 31183), (855, 31126), (859, 31105), (874, 31048), (880, 31036), (884, 31027),

Gene: Jabb_43 Start: 29585, Stop: 31459, Start Num: 171

Candidate Starts for Jabb_43:

(Start: 168 @29582 has 7 MA's), (Start: 171 @29585 has 61 MA's), (Start: 219 @29654 has 1 MA's), (227, 29675), (302, 29855), (328, 29921), (341, 29963), (489, 30257), (549, 30392), (594, 30491), (635, 30614), (649, 30674), (650, 30680), (667, 30725), (675, 30755), (683, 30791), (692, 30827), (726, 30920), (758, 31013), (793, 31091), (828, 31163), (836, 31202), (855, 31244), (858, 31262), (874, 31322), (884, 31343),

Gene: Jabiru_39 Start: 30201, Stop: 28336, Start Num: 181

Candidate Starts for Jabiru_39:

(Start: 181 @30201 has 918 MA's), (236, 30090), (273, 29997), (275, 29994), (302, 29925), (311, 29895), (323, 29868), (328, 29859), (360, 29766), (366, 29751), (378, 29715), (422, 29655), (438, 29619), (458, 29571), (471, 29550), (472, 29547), (497, 29487), (537, 29409), (555, 29361), (562, 29349), (584, 29301), (614, 29250), (649, 29115), (665, 29067), (674, 29049), (677, 29028), (680, 29019), (686, 28989), (692, 28962), (693, 28959), (728, 28881), (733, 28863), (750, 28815), (767, 28764), (796, 28710), (801, 28701), (816, 28683), (837, 28605), (874, 28488), (880, 28476), (923, 28371),

Gene: Jabith_45 Start: 30836, Stop: 29049, Start Num: 181

Candidate Starts for Jabith_45:

(Start: 181 @30836 has 918 MA's), (273, 30632), (302, 30560), (311, 30530), (323, 30503), (440, 30251), (466, 30200), (499, 30119), (523, 30074), (524, 30071), (560, 29990), (586, 29933), (617, 29891), (628, 29846), (649, 29765), (667, 29714), (677, 29678), (692, 29612), (722, 29552), (760, 29438), (767, 29414), (777, 29396), (816, 29333), (825, 29306), (828, 29297), (832, 29273), (874, 29138), (880, 29126), (884, 29117),

Gene: JackSparrow_46 Start: 35167, Stop: 33338, Start Num: 181

Candidate Starts for JackSparrow_46:

(Start: 181 @35167 has 918 MA's), (277, 34954), (311, 34861), (318, 34840), (323, 34834), (328, 34825), (369, 34708), (378, 34681), (438, 34588), (443, 34573), (458, 34540), (483, 34489), (484, 34486), (514, 34420), (530, 34390), (542, 34360), (562, 34315), (583, 34276), (649, 34096), (665, 34048), (680, 34000), (689, 33961), (692, 33943), (706, 33904), (722, 33883), (728, 33862), (732, 33847), (779, 33724), (853, 33553), (858, 33529), (871, 33481), (874, 33469), (884, 33448), (887, 33442), (903, 33394), (908, 33379),

Gene: JacoRen57_40 Start: 35060, Stop: 32673, Start Num: 35

Candidate Starts for JacoRen57_40:

(22, 35138), (Start: 26 @35114 has 25 MA's), (Start: 32 @35084 has 1 MA's), (Start: 35 @35060 has 1 MA's), (Start: 45 @35009 has 1 MA's), (47, 35003), (66, 34895), (68, 34880), (73, 34850), (82, 34823), (97, 34793), (Start: 124 @34739 has 4 MA's), (132, 34727), (134, 34718), (229, 34562), (299, 34406), (349, 34277), (355, 34259), (399, 34154), (404, 34136), (407, 34121), (427, 34061), (491, 33944), (496, 33932), (511, 33920), (574, 33842), (614, 33773), (649, 33638), (678, 33503), (683, 33476), (685, 33470), (694, 33431), (705, 33404), (707, 33398), (709, 33392), (711, 33386), (729, 33329), (735, 33305), (818, 33083), (865, 32912), (874, 32879), (889, 32834), (896, 32810), (936, 32684),

Gene: Jaek_55 Start: 36879, Stop: 34711, Start Num: 158

Candidate Starts for Jaek_55:

(155, 36882), (Start: 158 @36879 has 13 MA's), (195, 36825), (Start: 230 @36741 has 5 MA's), (289, 36588), (293, 36579), (306, 36534), (328, 36456), (330, 36447), (335, 36432), (341, 36417), (342, 36414), (362, 36357), (393, 36264), (401, 36222), (469, 36027), (473, 36015), (475, 36009), (486, 35985), (493, 35964), (501, 35943), (505, 35928), (509, 35922), (541, 35859), (562, 35808), (587, 35721), (616, 35661), (628, 35613), (652, 35511), (655, 35505), (669, 35478), (670, 35475), (676, 35454), (686, 35412), (688, 35406), (693, 35382), (707, 35340), (708, 35337), (716, 35310), (723, 35277), (727, 35265), (736, 35229), (745, 35205), (748, 35199), (750, 35193), (768, 35139), (792, 35091), (795, 35088), (820, 35028), (828, 35004), (834, 34974), (854, 34920), (871, 34851), (874, 34839), (885, 34800),

Gene: Jamzy_48 Start: 33115, Stop: 30731, Start Num: 26

Candidate Starts for Jamzy_48:

(Start: 26 @33115 has 25 MA's), (49, 33001), (52, 32971), (69, 32887), (73, 32863), (99, 32809), (164, 32704), (Start: 172 @32689 has 3 MA's), (204, 32641), (238, 32566), (239, 32560), (240, 32554), (242, 32548), (274, 32479), (287, 32455), (296, 32431), (313, 32374), (329, 32356), (335, 32335), (391, 32188), (427, 32074), (446, 32017), (454, 31996), (456, 31990), (552, 31897), (558, 31885), (596, 31813), (621, 31759), (653, 31618), (656, 31594), (672, 31543), (692, 31450), (705, 31414), (707, 31408), (709, 31402), (711, 31396), (729, 31339), (735, 31315), (787, 31156), (797, 31135), (817, 31096), (829, 31057), (832, 31036), (838, 31015), (842, 31003), (851, 30985), (865, 30922), (867, 30916), (874, 30889), (880, 30865), (889, 30844), (922, 30757),

Gene: Janeemi_43 Start: 31325, Stop: 33190, Start Num: 181

Candidate Starts for Janeemi_43:

(Start: 181 @31325 has 918 MA's), (213, 31373), (273, 31529), (311, 31622), (318, 31643), (345, 31712), (443, 31928), (484, 32018), (489, 32027), (494, 32042), (499, 32054), (539, 32132), (560, 32180), (586, 32237), (619, 32318), (649, 32438), (677, 32525), (692, 32591), (726, 32684), (750, 32756), (799, 32864), (820, 32906), (832, 32951), (871, 33074), (874, 33086), (879, 33095), (909, 33173),

Gene: Jankie_40 Start: 28206, Stop: 30071, Start Num: 180

Candidate Starts for Jankie_40:

(Start: 180 @28206 has 21 MA's), (302, 28473), (311, 28503), (440, 28800), (484, 28899), (494, 28923), (539, 29013), (560, 29061), (649, 29319), (690, 29463), (692, 29472), (748, 29631), (754, 29646), (799, 29745), (832, 29832), (837, 29850), (874, 29967),

Gene: Janus167_38 Start: 28619, Stop: 26754, Start Num: 211

Candidate Starts for Janus167_38:

(Start: 140 @28706 has 3 MA's), (Start: 142 @28703 has 1 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (561, 27812), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (712, 27350), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080), (829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: Jasmine_38 Start: 33398, Stop: 31653, Start Num: 200

Candidate Starts for Jasmine_38:

(184, 33425), (Start: 200 @33398 has 6 MA's), (203, 33395), (Start: 218 @33362 has 1 MA's), (221, 33356), (256, 33263), (271, 33230), (285, 33203), (337, 33068), (413, 32939), (414, 32933), (427, 32909), (432, 32894), (439, 32867), (450, 32837), (489, 32756), (520, 32687), (529, 32666), (587, 32552), (599, 32534), (685, 32231), (707, 32156), (722, 32138), (740, 32072), (836, 31838), (853, 31796), (874, 31712), (886, 31679),

Gene: JasmineDragon_45 Start: 30557, Stop: 32419, Start Num: 180

Candidate Starts for JasmineDragon_45:

(115, 30458), (125, 30476), (Start: 180 @30557 has 21 MA's), (213, 30605), (275, 30764), (277, 30770), (318, 30875), (338, 30920), (433, 31127), (489, 31256), (539, 31361), (560, 31409), (597, 31493), (649, 31667), (676, 31751), (683, 31784), (686, 31793), (703, 31844), (726, 31913), (765, 32024), (799, 32093), (801, 32099), (839, 32204), (874, 32315),

Gene: JasonD_41 Start: 29572, Stop: 27620, Start Num: 142

Candidate Starts for JasonD_41:

(Start: 140 @29575 has 3 MA's), (Start: 142 @29572 has 1 MA's), (Start: 211 @29488 has 115 MA's), (Start: 215 @29479 has 5 MA's), (276, 29332), (332, 29212), (335, 29200), (338, 29194), (434, 28921), (437, 28912), (440, 28900), (451, 28870), (458, 28855), (461, 28849), (466, 28843), (496, 28768), (629, 28522), (685, 28306), (688, 28297), (689, 28294), (692, 28276), (707, 28234), (735, 28144), (745, 28099), (787, 27985), (804, 27946), (829, 27886), (833, 27862), (835, 27856), (846, 27823), (857, 27790), (858, 27778),

Gene: Jasper_46 Start: 34284, Stop: 32455, Start Num: 181

Candidate Starts for Jasper_46:

(Start: 181 @34284 has 918 MA's), (277, 34071), (285, 34056), (302, 34008), (311, 33978), (318, 33957), (323, 33951), (328, 33942), (369, 33825), (378, 33798), (438, 33705), (443, 33690), (451, 33669), (458, 33657), (483, 33606), (484, 33603), (514, 33537), (530, 33507), (542, 33477), (562, 33432), (583, 33393), (649, 33213), (665, 33165), (680, 33117), (689, 33078), (692, 33060), (706, 33021), (722, 33000), (728, 32979), (732, 32964), (779, 32841), (853, 32670), (858, 32646), (871, 32598), (874, 32586), (884, 32565), (887, 32559), (903, 32511), (908, 32496),

Gene: JasperRussell_38 Start: 28619, Stop: 26754, Start Num: 211

Candidate Starts for JasperRussell_38:

(Start: 140 @28706 has 3 MA's), (Start: 142 @28703 has 1 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (561, 27812), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (712, 27350), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080), (829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: Jaykayelowell_43 Start: 31563, Stop: 29737, Start Num: 181

Candidate Starts for Jaykayelowell_43:

(Start: 181 @31563 has 918 MA's), (195, 31542), (214, 31512), (224, 31482), (291, 31320), (298, 31302), (323, 31230), (328, 31221), (370, 31101), (378, 31077), (438, 30984), (460, 30936), (472, 30915), (489, 30876), (549, 30744), (560, 30723), (583, 30678), (586, 30666), (646, 30513), (649, 30492), (685, 30369), (692, 30339), (706, 30300), (728, 30234), (729, 30231), (733, 30216), (739, 30192), (750, 30168), (832, 29961), (874, 29826), (880, 29814), (884, 29805),

Gene: Jeeves_50 Start: 31954, Stop: 30161, Start Num: 181

Candidate Starts for Jeeves_50:

(Start: 181 @31954 has 918 MA's), (187, 31945), (236, 31843), (273, 31750), (302, 31675), (303, 31672), (323, 31618), (370, 31489), (378, 31465), (438, 31372), (455, 31327), (499, 31234), (514, 31204), (583, 31057), (616, 31006), (628, 30958), (649, 30877), (674, 30811), (685, 30754), (692, 30724), (722, 30664), (728, 30643), (767, 30526), (782, 30499), (825, 30418), (828, 30409), (855, 30328), (859, 30307), (862, 30298), (874, 30250), (880, 30238), (884, 30229), (885, 30226),

Gene: Jeffabunny_45 Start: 29478, Stop: 27607, Start Num: 157

Candidate Starts for Jeffabunny_45:

(Start: 157 @29478 has 1 MA's), (Start: 181 @29448 has 918 MA's), (273, 29244), (302, 29169), (303, 29166), (311, 29139), (316, 29124), (323, 29112), (341, 29061), (374, 28971), (378, 28959), (438, 28866), (453, 28827), (466, 28809), (472, 28794), (499, 28728), (516, 28695), (517, 28692), (564, 28590), (595, 28530), (628, 28446), (649, 28365), (676, 28281), (677, 28278), (680, 28269), (685, 28242), (692, 28212), (722, 28152), (733, 28113), (828, 27897), (829, 27894), (832, 27873), (874, 27738), (880, 27726), (884, 27717), (885, 27714), (923, 27621),

Gene: Jemerald_40 Start: 29369, Stop: 27471, Start Num: 209

Candidate Starts for Jemerald_40:

(Start: 209 @29369 has 41 MA's), (267, 29231), (275, 29216), (277, 29210), (300, 29159), (329, 29102), (335, 29081), (338, 29075), (353, 29027), (354, 29024), (393, 28925), (410, 28877), (434, 28802), (437, 28793), (440, 28781), (451, 28751), (461, 28730), (470, 28715), (496, 28649), (584, 28502), (619, 28442), (622, 28427), (630, 28400), (683, 28160), (692, 28124), (707, 28082), (718, 28052), (735, 27995), (781, 27851), (787, 27836), (804, 27797), (817, 27776), (833, 27713), (844, 27680), (858, 27629), (860, 27623), (874, 27569),

Gene: JenCasNa_49 Start: 31852, Stop: 30038, Start Num: 181

Candidate Starts for JenCasNa_49:

(Start: 181 @31852 has 918 MA's), (206, 31813), (214, 31801), (273, 31648), (281, 31633), (302, 31576), (323, 31519), (328, 31510), (341, 31468), (360, 31417), (378, 31366), (438, 31273), (458, 31225), (466, 31216), (472, 31201), (489, 31162), (499, 31135), (514, 31105), (555, 31012), (584, 30952), (595, 30937), (649, 30781), (677, 30694), (692, 30628), (706, 30589), (729, 30517), (739, 30478), (750, 30454), (757, 30436), (767, 30403), (782, 30376), (816, 30322), (832, 30262), (859, 30184), (874, 30127), (880, 30115), (884, 30106),

Gene: Jenos_42 Start: 30134, Stop: 28266, Start Num: 211

Candidate Starts for Jenos_42:

(197, 30149), (Start: 211 @30134 has 115 MA's), (Start: 215 @30125 has 5 MA's), (275, 29981), (276, 29978), (329, 29867), (332, 29858), (335, 29846), (338, 29840), (374, 29735), (410, 29642), (434, 29567), (437, 29558), (440, 29546), (450, 29519), (451, 29516), (458, 29501), (461, 29495), (466, 29489), (561, 29327), (685, 28952), (688, 28943), (689, 28940), (692, 28922), (707, 28880), (735, 28790), (743, 28763), (787, 28631), (804, 28592), (829, 28532), (833, 28508), (846, 28469), (857, 28436), (858, 28424),

Gene: JeppNRM_49 Start: 31754, Stop: 29940, Start Num: 181

Candidate Starts for JeppNRM_49:

(Start: 181 @31754 has 918 MA's), (206, 31715), (214, 31703), (273, 31550), (281, 31535), (302, 31478), (323, 31421), (328, 31412), (341, 31370), (360, 31319), (378, 31268), (438, 31175), (458, 31127), (472, 31103), (489, 31064), (499, 31037), (514, 31007), (554, 30917), (555, 30914), (562, 30902), (584, 30854), (595, 30839), (649, 30683), (667, 30632), (676, 30599), (677, 30596), (692, 30530), (706, 30491), (729, 30419), (739, 30380), (750, 30356), (757, 30338), (767, 30305), (816, 30224), (832, 30164), (837, 30146), (859, 30086), (862, 30077), (874, 30029), (880, 30017), (884, 30008),

Gene: Jerbirus_39 Start: 28619, Stop: 26754, Start Num: 211

Candidate Starts for Jerbirus_39:

(Start: 140 @28706 has 3 MA's), (Start: 142 @28703 has 1 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (561, 27812), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (712, 27350), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080), (829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: JeriBeth_39 Start: 28482, Stop: 26617, Start Num: 211

Candidate Starts for JeriBeth_39:

(Start: 140 @28569 has 3 MA's), (Start: 142 @28566 has 1 MA's), (Start: 211 @28482 has 115 MA's), (Start: 215 @28473 has 5 MA's), (255, 28368), (259, 28359), (275, 28329), (276, 28326), (332, 28206), (335, 28194), (338, 28188), (374, 28083), (384, 28056), (434, 27915), (435, 27909), (437, 27906), (440, 27894), (450, 27867), (451, 27864), (458, 27849), (461, 27843), (466, 27837), (481, 27804), (561, 27675), (584, 27615), (685, 27300), (688, 27291), (689, 27288), (692, 27270), (707, 27228), (709, 27222), (712, 27213), (718, 27198), (735, 27141), (787, 26982), (802, 26952), (804, 26943), (829, 26883), (833, 26859), (846, 26820), (857, 26787), (858, 26775), (874, 26715),

Gene: Jerm_46 Start: 31734, Stop: 29947, Start Num: 181

Candidate Starts for Jerm_46:

(115, 31821), (Start: 181 @31734 has 918 MA's), (275, 31527), (277, 31521), (286, 31506), (291, 31491), (303, 31455), (311, 31428), (323, 31401), (332, 31380), (378, 31248), (438, 31155), (458, 31107), (466, 31098), (472, 31083), (499, 31017), (539, 30936), (560, 30888), (562, 30882), (595, 30819), (649, 30663), (667, 30612), (676, 30579), (677, 30576), (692, 30510), (706, 30471), (722, 30450), (745, 30375), (750, 30363), (767, 30312), (801, 30249), (816, 30231), (828, 30195), (832, 30171), (859, 30093), (874, 30036), (880, 30024), (884, 30015),

Gene: Jerm2_45 Start: 34938, Stop: 33109, Start Num: 181

Candidate Starts for Jerm2_45:

(Start: 181 @34938 has 918 MA's), (277, 34725), (285, 34710), (302, 34662), (311, 34632), (318, 34611), (323, 34605), (328, 34596), (369, 34479), (378, 34452), (438, 34359), (443, 34344), (483, 34260), (484, 34257), (514, 34191), (530, 34161), (542, 34131), (562, 34086), (583, 34047), (649, 33867), (665, 33819), (680, 33771), (689, 33732), (692, 33714), (706, 33675), (722, 33654), (728, 33633), (779, 33495), (853, 33324), (858, 33300), (867, 33267), (871, 33252), (874, 33240), (884, 33219), (887, 33213), (903, 33165), (908, 33150),

Gene: Jester_36 Start: 28049, Stop: 26265, Start Num: 181

Candidate Starts for Jester_36:

(Start: 181 @28049 has 918 MA's), (288, 27815), (299, 27785), (301, 27776), (302, 27773), (316, 27728), (323, 27716), (341, 27665), (378, 27563), (391, 27542), (438, 27470), (458, 27422), (489, 27359), (499, 27332), (549, 27227), (562, 27200), (583, 27161), (649, 26981), (665, 26933), (692,

26828), (693, 26825), (722, 26768), (728, 26747), (769, 26624), (813, 26555), (828, 26513), (832, 26489), (859, 26411), (874, 26354), (880, 26342), (900, 26285),

Gene: JetBlade_45 Start: 31564, Stop: 29738, Start Num: 181

Candidate Starts for JetBlade_45:

(Start: 181 @31564 has 918 MA's), (195, 31543), (214, 31513), (224, 31483), (291, 31321), (298, 31303), (323, 31231), (328, 31222), (370, 31102), (378, 31078), (438, 30985), (460, 30937), (472, 30916), (489, 30877), (549, 30745), (560, 30724), (583, 30679), (586, 30667), (646, 30514), (649, 30493), (685, 30370), (692, 30340), (706, 30301), (728, 30235), (729, 30232), (733, 30217), (739, 30193), (750, 30169), (832, 29962), (837, 29944), (874, 29827), (880, 29815), (884, 29806),

Gene: JewelBug_47 Start: 29796, Stop: 27955, Start Num: 181

Candidate Starts for JewelBug_47:

(Start: 181 @29796 has 918 MA's), (273, 29592), (302, 29517), (303, 29514), (311, 29487), (316, 29472), (323, 29460), (341, 29409), (374, 29319), (378, 29307), (438, 29214), (453, 29175), (466, 29157), (472, 29142), (499, 29076), (516, 29043), (517, 29040), (564, 28938), (595, 28878), (628, 28794), (649, 28713), (676, 28629), (677, 28626), (680, 28617), (685, 28590), (692, 28560), (722, 28500), (733, 28461), (828, 28245), (829, 28242), (832, 28221), (874, 28086), (880, 28074), (884, 28065), (885, 28062), (923, 27969),

Gene: Jiawan_43 Start: 31526, Stop: 29733, Start Num: 181

Candidate Starts for Jiawan_43:

(Start: 181 @31526 has 918 MA's), (187, 31517), (214, 31475), (259, 31355), (261, 31352), (282, 31304), (303, 31244), (312, 31214), (316, 31202), (323, 31190), (378, 31037), (438, 30944), (499, 30806), (514, 30776), (586, 30617), (595, 30605), (616, 30578), (646, 30470), (649, 30449), (689, 30314), (692, 30296), (728, 30215), (739, 30173), (767, 30098), (813, 30023), (828, 29981), (859, 29879), (874, 29822), (880, 29810), (884, 29801),

Gene: Jingles_37 Start: 28487, Stop: 26637, Start Num: 207

Candidate Starts for Jingles_37:

(Start: 207 @28487 has 19 MA's), (259, 28364), (276, 28331), (329, 28220), (335, 28199), (338, 28193), (340, 28184), (354, 28142), (415, 27986), (434, 27932), (435, 27926), (437, 27923), (440, 27911), (451, 27881), (480, 27824), (568, 27677), (630, 27530), (685, 27320), (689, 27308), (692, 27290), (707, 27248), (712, 27233), (735, 27161), (802, 26972), (804, 26963), (829, 26903), (833, 26879), (839, 26858), (844, 26846), (874, 26735),

Gene: Jobu08_47 Start: 31685, Stop: 29871, Start Num: 181

Candidate Starts for Jobu08_47:

(Start: 181 @31685 has 918 MA's), (206, 31646), (214, 31634), (273, 31481), (281, 31466), (302, 31409), (323, 31352), (328, 31343), (341, 31301), (360, 31250), (378, 31199), (438, 31106), (458, 31058), (466, 31049), (472, 31034), (489, 30995), (499, 30968), (514, 30938), (555, 30845), (562, 30833), (584, 30785), (595, 30770), (649, 30614), (677, 30527), (692, 30461), (706, 30422), (729, 30350), (739, 30311), (750, 30287), (757, 30269), (767, 30236), (782, 30209), (816, 30155), (832, 30095), (859, 30017), (874, 29960), (880, 29948), (884, 29939),

Gene: Joemato_41 Start: 29704, Stop: 31569, Start Num: 181

Candidate Starts for Joemato_41:

(Start: 91 @29560 has 1 MA's), (Start: 102 @29587 has 1 MA's), (105, 29590), (118, 29617), (Start: 181 @29704 has 918 MA's), (213, 29752), (311, 30001), (332, 30049), (345, 30091), (440, 30298), (443, 30307), (484, 30397), (489, 30406), (494, 30421), (516, 30466), (539, 30511), (560, 30559), (586, 30616), (619, 30697), (643, 30784), (649, 30817), (660, 30847), (677, 30904), (692, 30970), (726, 31063), (750, 31135), (799, 31243), (828, 31306), (832, 31330), (868, 31441), (874, 31465), (879, 31474),

Gene: JohnDoe_41 Start: 29700, Stop: 31565, Start Num: 181

Candidate Starts for JohnDoe_41:

(Start: 181 @29700 has 918 MA's), (213, 29748), (311, 29997), (332, 30045), (345, 30087), (440, 30294), (443, 30303), (484, 30393), (489, 30402), (494, 30417), (516, 30462), (539, 30507), (560, 30555), (586, 30612), (619, 30693), (643, 30780), (649, 30813), (660, 30843), (677, 30900), (692, 30966), (703, 30990), (726, 31059), (750, 31131), (799, 31239), (828, 31302), (832, 31326), (868, 31437), (873, 31458), (874, 31461), (879, 31470), (892, 31506),

Gene: JohnThicc_48 Start: 30580, Stop: 32442, Start Num: 180

Candidate Starts for JohnThicc_48:

(Start: 180 @30580 has 21 MA's), (213, 30628), (277, 30793), (311, 30877), (338, 30943), (447, 31189), (489, 31279), (555, 31426), (560, 31432), (597, 31516), (649, 31690), (676, 31774), (683, 31807), (726, 31936), (729, 31945), (765, 32047), (839, 32227), (859, 32281), (874, 32338),

Gene: Johnathan_41 Start: 28861, Stop: 30735, Start Num: 171

Candidate Starts for Johnathan_41:

(Start: 168 @28858 has 7 MA's), (Start: 171 @28861 has 61 MA's), (Start: 219 @28930 has 1 MA's), (227, 28951), (328, 29197), (341, 29239), (450, 29452), (489, 29533), (594, 29767), (635, 29890), (649, 29950), (650, 29956), (667, 30001), (674, 30016), (675, 30031), (683, 30067), (692, 30103), (726, 30196), (758, 30289), (793, 30367), (828, 30439), (836, 30478), (855, 30520), (858, 30538), (868, 30574), (874, 30598), (884, 30619),

Gene: JoongJeon_44 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for JoongJeon_44:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: Jordennis_45 Start: 29635, Stop: 27794, Start Num: 181

Candidate Starts for Jordennis_45:

(Start: 181 @29635 has 918 MA's), (273, 29431), (302, 29356), (303, 29353), (311, 29326), (316, 29311), (323, 29299), (341, 29248), (374, 29158), (378, 29146), (438, 29053), (453, 29014), (466, 28996), (472, 28981), (499, 28915), (516, 28882), (517, 28879), (564, 28777), (595, 28717), (628, 28633), (649, 28552), (676, 28468), (677, 28465), (680, 28456), (685, 28429), (689, 28417), (692, 28399), (722, 28339), (733, 28300), (828, 28084), (829, 28081), (832, 28060), (874, 27925), (880, 27913), (884, 27904), (885, 27901), (923, 27808),

Gene: Jorgensen_45 Start: 34588, Stop: 32762, Start Num: 181

Candidate Starts for Jorgensen_45:

(Start: 181 @34588 has 918 MA's), (277, 34375), (285, 34360), (302, 34312), (311, 34282), (318, 34261), (323, 34255), (328, 34246), (369, 34129), (378, 34102), (438, 34009), (443, 33994), (483, 33910), (484, 33907), (514, 33841), (530, 33811), (542, 33781), (562, 33736), (583, 33697), (649, 33517), (660, 33487), (665, 33469), (677, 33430), (692, 33364), (728, 33283), (729, 33280), (757, 33199), (828, 33049), (829, 33046), (836, 33010), (846, 32986), (852, 32977), (856, 32965), (874, 32890), (884, 32869),

Gene: Joselito_45 Start: 30776, Stop: 28989, Start Num: 181

Candidate Starts for Joselito_45:

(Start: 181 @30776 has 918 MA's), (273, 30572), (302, 30500), (311, 30470), (323, 30443), (440, 30191), (466, 30140), (499, 30059), (523, 30014), (586, 29873), (617, 29831), (628, 29786), (649,

29705), (667, 29654), (677, 29618), (692, 29552), (722, 29492), (725, 29480), (760, 29378), (767, 29354), (777, 29336), (816, 29273), (825, 29246), (828, 29237), (832, 29213), (874, 29078), (880, 29066), (884, 29057),

Gene: JoshKayV_46 Start: 31792, Stop: 30005, Start Num: 181

Candidate Starts for JoshKayV_46:

(Start: 181 @31792 has 918 MA's), (275, 31585), (277, 31579), (286, 31564), (291, 31549), (303, 31513), (311, 31486), (323, 31459), (332, 31438), (378, 31306), (438, 31213), (458, 31165), (466, 31156), (472, 31141), (499, 31075), (539, 30994), (560, 30946), (562, 30940), (595, 30877), (649, 30721), (676, 30637), (677, 30634), (692, 30568), (706, 30529), (722, 30508), (745, 30433), (750, 30421), (782, 30343), (801, 30307), (816, 30289), (828, 30253), (832, 30229), (859, 30151), (874, 30094), (880, 30082), (884, 30073),

Gene: Journey13_40 Start: 30167, Stop: 28380, Start Num: 181

Candidate Starts for Journey13_40:

(Start: 181 @30167 has 918 MA's), (273, 29963), (275, 29960), (277, 29954), (291, 29924), (299, 29903), (301, 29894), (302, 29891), (311, 29861), (323, 29834), (332, 29813), (376, 29687), (378, 29681), (438, 29588), (441, 29579), (458, 29540), (472, 29516), (499, 29450), (549, 29342), (560, 29321), (649, 29096), (667, 29045), (680, 29000), (685, 28973), (692, 28943), (706, 28904), (722, 28883), (745, 28808), (753, 28790), (767, 28745), (782, 28718), (801, 28682), (816, 28664), (828, 28628), (832, 28604), (874, 28469), (880, 28457), (884, 28448),

Gene: Jovita_43 Start: 29600, Stop: 31474, Start Num: 171

Candidate Starts for Jovita_43:

(Start: 168 @29597 has 7 MA's), (Start: 171 @29600 has 61 MA's), (Start: 219 @29669 has 1 MA's), (227, 29690), (302, 29870), (341, 29978), (489, 30272), (549, 30407), (594, 30506), (635, 30629), (649, 30689), (650, 30695), (667, 30740), (674, 30755), (675, 30770), (683, 30806), (692, 30842), (726, 30935), (758, 31028), (793, 31106), (795, 31109), (828, 31178), (829, 31181), (836, 31217), (855, 31259), (858, 31277), (874, 31337), (884, 31358),

Gene: Jovo_38 Start: 30627, Stop: 28783, Start Num: 181

Candidate Starts for Jovo_38:

(Start: 181 @30627 has 918 MA's), (214, 30576), (236, 30516), (261, 30453), (273, 30423), (275, 30420), (299, 30363), (302, 30351), (311, 30321), (323, 30294), (360, 30192), (366, 30177), (378, 30141), (422, 30081), (438, 30045), (458, 29997), (497, 29913), (499, 29907), (537, 29835), (549, 29802), (555, 29787), (562, 29775), (614, 29676), (649, 29541), (660, 29511), (665, 29493), (667, 29490), (677, 29454), (680, 29445), (683, 29424), (686, 29415), (692, 29388), (693, 29385), (722, 29328), (728, 29307), (767, 29190), (796, 29136), (801, 29127), (816, 29109), (837, 29031), (858, 28974), (868, 28938), (874, 28914), (880, 28902),

Gene: Jsquared_43 Start: 30314, Stop: 28527, Start Num: 180

Candidate Starts for Jsquared_43:

(95, 30455), (Start: 180 @30314 has 21 MA's), (273, 30110), (275, 30107), (277, 30101), (286, 30086), (291, 30071), (301, 30041), (302, 30038), (311, 30008), (323, 29981), (332, 29960), (341, 29930), (378, 29828), (438, 29735), (458, 29687), (466, 29678), (472, 29663), (499, 29597), (539, 29516), (560, 29468), (583, 29423), (649, 29243), (665, 29195), (667, 29192), (677, 29156), (692, 29090), (706, 29051), (722, 29030), (745, 28955), (753, 28937), (767, 28892), (782, 28865), (801, 28829), (816, 28811), (828, 28775), (832, 28751), (874, 28616), (880, 28604), (884, 28595), (885, 28592),

Gene: Jstan_41 Start: 30355, Stop: 32220, Start Num: 181

Candidate Starts for Jstan_41:

(Start: 181 @30355 has 918 MA's), (213, 30403), (290, 30586), (293, 30592), (311, 30652), (318, 30673), (345, 30742), (443, 30958), (484, 31048), (489, 31057), (494, 31072), (516, 31117), (560,

31210), (619, 31348), (649, 31468), (660, 31498), (677, 31555), (690, 31612), (692, 31621), (703, 31645), (726, 31714), (750, 31786), (754, 31795), (799, 31894), (828, 31957), (874, 32116), (879, 32125),

Gene: Juanyo_37 Start: 28491, Stop: 26590, Start Num: 209

Candidate Starts for Juanyo_37:

(Start: 209 @28491 has 41 MA's), (247, 28392), (259, 28368), (267, 28353), (275, 28338), (277, 28332), (291, 28305), (300, 28281), (326, 28230), (335, 28203), (338, 28197), (354, 28146), (367, 28107), (393, 28047), (415, 27978), (434, 27921), (437, 27912), (440, 27900), (451, 27870), (480, 27813), (568, 27666), (633, 27510), (692, 27243), (707, 27201), (718, 27171), (725, 27150), (735, 27114), (802, 26925), (804, 26916), (829, 26856), (833, 26832), (836, 26820), (844, 26799), (846, 26793), (874, 26688),

Gene: Juicer_40 Start: 29369, Stop: 27471, Start Num: 209

Candidate Starts for Juicer_40:

(Start: 209 @29369 has 41 MA's), (267, 29231), (275, 29216), (277, 29210), (300, 29159), (329, 29102), (335, 29081), (338, 29075), (353, 29027), (354, 29024), (393, 28925), (410, 28877), (434, 28802), (437, 28793), (440, 28781), (451, 28751), (461, 28730), (470, 28715), (496, 28649), (584, 28502), (619, 28442), (622, 28427), (630, 28400), (683, 28160), (692, 28124), (707, 28082), (718, 28052), (735, 27995), (781, 27851), (787, 27836), (804, 27797), (817, 27776), (833, 27713), (844, 27680), (858, 27629), (860, 27623), (874, 27569),

Gene: JuliaChild_45 Start: 34674, Stop: 32845, Start Num: 181

Candidate Starts for JuliaChild_45:

(Start: 181 @34674 has 918 MA's), (277, 34461), (285, 34446), (302, 34398), (311, 34368), (318, 34347), (323, 34341), (328, 34332), (369, 34215), (378, 34188), (438, 34095), (443, 34080), (451, 34059), (483, 33996), (484, 33993), (514, 33927), (530, 33897), (542, 33867), (562, 33822), (583, 33783), (649, 33603), (665, 33555), (680, 33507), (689, 33468), (692, 33450), (706, 33411), (722, 33390), (728, 33369), (732, 33354), (779, 33231), (853, 33060), (858, 33036), (871, 32988), (874, 32976), (884, 32955), (887, 32949), (903, 32901), (908, 32886),

Gene: JuneStar_42 Start: 31105, Stop: 33111, Start Num: 91

Candidate Starts for JuneStar_42:

(81, 31072), (Start: 91 @31105 has 1 MA's), (Start: 102 @31132 has 1 MA's), (105, 31135), (118, 31162), (Start: 181 @31246 has 918 MA's), (213, 31294), (311, 31543), (345, 31633), (358, 31663), (440, 31840), (443, 31849), (489, 31948), (494, 31963), (499, 31975), (560, 32101), (619, 32239), (649, 32359), (677, 32446), (692, 32512), (726, 32605), (832, 32872), (853, 32923), (874, 33007),

Gene: JustBecause_62 Start: 44100, Stop: 42133, Start Num: 231

Candidate Starts for JustBecause_62:

(Start: 231 @44100 has 7 MA's), (261, 44022), (268, 44004), (269, 44001), (300, 43932), (328, 43830), (343, 43782), (371, 43704), (387, 43656), (412, 43551), (423, 43512), (428, 43500), (436, 43473), (448, 43437), (478, 43365), (494, 43320), (544, 43209), (573, 43137), (615, 42999), (622, 42972), (631, 42939), (642, 42909), (656, 42849), (671, 42804), (686, 42738), (693, 42708), (696, 42687), (698, 42681), (761, 42519), (766, 42501), (767, 42498), (828, 42378), (839, 42330), (845, 42318), (852, 42309), (856, 42297), (859, 42279), (862, 42270), (865, 42255), (872, 42231),

Gene: KADY_48 Start: 31884, Stop: 30070, Start Num: 181

Candidate Starts for KADY_48:

(Start: 181 @31884 has 918 MA's), (206, 31845), (214, 31833), (273, 31680), (281, 31665), (302, 31608), (323, 31551), (328, 31542), (341, 31500), (360, 31449), (378, 31398), (420, 31344), (438, 31305), (458, 31257), (472, 31233), (489, 31194), (499, 31167), (514, 31137), (555, 31044), (562, 31032), (584, 30984), (595, 30969), (649, 30813), (667, 30762), (676, 30729), (677, 30726), (692,

30660), (706, 30621), (729, 30549), (739, 30510), (750, 30486), (757, 30468), (767, 30435), (816, 30354), (832, 30294), (862, 30207), (874, 30159), (880, 30147), (884, 30138), (885, 30135),

Gene: KBG_46 Start: 35895, Stop: 34069, Start Num: 181

Candidate Starts for KBG_46:

(Start: 181 @35895 has 918 MA's), (277, 35682), (285, 35667), (302, 35619), (311, 35589), (315, 35577), (318, 35568), (323, 35562), (328, 35553), (369, 35436), (378, 35409), (438, 35316), (443, 35301), (458, 35268), (483, 35217), (484, 35214), (514, 35148), (530, 35118), (542, 35088), (562, 35043), (583, 35004), (649, 34824), (660, 34794), (665, 34776), (667, 34773), (677, 34737), (692, 34671), (728, 34590), (729, 34587), (757, 34506), (828, 34356), (829, 34353), (836, 34317), (846, 34293), (852, 34284), (856, 34272), (862, 34245), (874, 34197), (884, 34176),

Gene: KFPoly_44 Start: 31564, Stop: 29738, Start Num: 181

Candidate Starts for KFPoly_44:

(Start: 181 @31564 has 918 MA's), (195, 31543), (214, 31513), (224, 31483), (291, 31321), (298, 31303), (323, 31231), (328, 31222), (370, 31102), (378, 31078), (438, 30985), (460, 30937), (472, 30916), (489, 30877), (549, 30745), (560, 30724), (583, 30679), (586, 30667), (646, 30514), (649, 30493), (685, 30370), (692, 30340), (706, 30301), (728, 30235), (729, 30232), (733, 30217), (739, 30193), (750, 30169), (832, 29962), (874, 29827), (880, 29815), (884, 29806),

Gene: KSSJEB_43 Start: 34167, Stop: 32338, Start Num: 181

Candidate Starts for KSSJEB_43:

(Start: 181 @34167 has 918 MA's), (277, 33954), (285, 33939), (302, 33891), (311, 33861), (318, 33840), (323, 33834), (328, 33825), (369, 33708), (378, 33681), (438, 33588), (443, 33573), (458, 33540), (483, 33489), (484, 33486), (514, 33420), (542, 33360), (562, 33315), (583, 33276), (649, 33096), (665, 33048), (680, 33000), (689, 32961), (692, 32943), (706, 32904), (722, 32883), (728, 32862), (732, 32847), (779, 32724), (853, 32553), (858, 32529), (871, 32481), (874, 32469), (884, 32448), (887, 32442), (903, 32394), (908, 32379),

Gene: KSunshine22_93 Start: 75419, Stop: 77137, Start Num: 227

Candidate Starts for KSunshine22_93:

(Start: 190 @75344 has 7 MA's), (213, 75377), (Start: 219 @75398 has 1 MA's), (Start: 223 @75407 has 1 MA's), (227, 75419), (326, 75656), (335, 75683), (338, 75689), (377, 75782), (420, 75824), (476, 75941), (489, 75968), (491, 75974), (494, 75983), (521, 76037), (533, 76061), (583, 76169), (589, 76190), (610, 76217), (624, 76265), (634, 76298), (646, 76337), (649, 76358), (650, 76364), (683, 76481), (706, 76568), (726, 76631), (730, 76643), (739, 76679), (754, 76712), (774, 76766), (783, 76784), (820, 76868), (828, 76889), (833, 76916), (853, 76964), (855, 76970), (858, 76988), (862, 77000), (864, 77012), (865, 77015), (874, 77048), (884, 77075), (892, 77099),

Gene: Kachowdy_45 Start: 31435, Stop: 29597, Start Num: 181

Candidate Starts for Kachowdy_45:

(133, 31507), (Start: 181 @31435 has 918 MA's), (214, 31384), (273, 31231), (299, 31171), (302, 31159), (323, 31102), (328, 31093), (332, 31081), (370, 30973), (378, 30949), (438, 30853), (460, 30805), (489, 30745), (517, 30682), (549, 30613), (560, 30592), (595, 30523), (598, 30517), (618, 30478), (649, 30355), (677, 30268), (685, 30232), (692, 30202), (704, 30172), (729, 30091), (739, 30052), (750, 30028), (757, 30010), (816, 29881), (832, 29821), (874, 29686), (880, 29674), (884, 29665),

Gene: Kalb97_49 Start: 31752, Stop: 29938, Start Num: 181

Candidate Starts for Kalb97_49:

(Start: 181 @31752 has 918 MA's), (206, 31713), (214, 31701), (273, 31548), (281, 31533), (302, 31476), (323, 31419), (328, 31410), (341, 31368), (360, 31317), (378, 31266), (438, 31173), (458, 31125), (472, 31101), (489, 31062), (499, 31035), (514, 31005), (555, 30912), (562, 30900), (584,

30852), (595, 30837), (649, 30681), (667, 30630), (676, 30597), (677, 30594), (692, 30528), (706, 30489), (729, 30417), (739, 30378), (750, 30354), (757, 30336), (767, 30303), (816, 30222), (832, 30162), (837, 30144), (859, 30084), (862, 30075), (874, 30027), (880, 30015), (884, 30006),

Gene: Kale_38 Start: 28634, Stop: 26769, Start Num: 211

Candidate Starts for Kale_38:

(Start: 140 @28721 has 3 MA's), (Start: 211 @28634 has 115 MA's), (Start: 215 @28625 has 5 MA's), (255, 28520), (259, 28511), (275, 28481), (276, 28478), (332, 28358), (335, 28346), (338, 28340), (374, 28235), (384, 28208), (434, 28067), (435, 28061), (437, 28058), (440, 28046), (450, 28019), (451, 28016), (458, 28001), (461, 27995), (466, 27989), (481, 27956), (584, 27767), (685, 27452), (688, 27443), (689, 27440), (692, 27422), (707, 27380), (709, 27374), (718, 27350), (735, 27293), (787, 27134), (802, 27104), (804, 27095), (829, 27035), (833, 27011), (846, 26972), (857, 26939), (858, 26927), (874, 26867),

Gene: Kalimba_38 Start: 27589, Stop: 29571, Start Num: 181

Candidate Starts for Kalimba_38:

(Start: 181 @27589 has 918 MA's), (261, 27763), (293, 27826), (303, 27859), (332, 27934), (420, 28162), (489, 28336), (560, 28492), (619, 28630), (643, 28717), (649, 28750), (660, 28780), (677, 28837), (692, 28903), (726, 28996), (832, 29263), (839, 29287), (874, 29398), (919, 29506),

Gene: Kalnoky_49 Start: 31750, Stop: 29936, Start Num: 181

Candidate Starts for Kalnoky_49:

(Start: 181 @31750 has 918 MA's), (206, 31711), (214, 31699), (273, 31546), (281, 31531), (302, 31474), (323, 31417), (328, 31408), (341, 31366), (360, 31315), (378, 31264), (438, 31171), (458, 31123), (472, 31099), (489, 31060), (499, 31033), (514, 31003), (555, 30910), (562, 30898), (584, 30850), (595, 30835), (649, 30679), (667, 30628), (676, 30595), (677, 30592), (692, 30526), (706, 30487), (729, 30415), (739, 30376), (750, 30352), (757, 30334), (767, 30301), (816, 30220), (832, 30160), (837, 30142), (859, 30082), (862, 30073), (874, 30025), (880, 30013), (884, 30004),

Gene: Kalpine_44 Start: 31973, Stop: 30186, Start Num: 181

Candidate Starts for Kalpine_44:

(Start: 181 @31973 has 918 MA's), (275, 31766), (277, 31760), (291, 31730), (301, 31700), (303, 31694), (311, 31667), (323, 31640), (332, 31619), (341, 31589), (378, 31487), (438, 31394), (458, 31346), (466, 31337), (472, 31322), (499, 31256), (539, 31175), (560, 31127), (632, 30971), (649, 30902), (667, 30851), (676, 30818), (677, 30815), (692, 30749), (706, 30710), (722, 30689), (745, 30614), (750, 30602), (753, 30596), (801, 30488), (828, 30434), (832, 30410), (855, 30353), (859, 30332), (874, 30275), (880, 30263),

Gene: Kamdara_40 Start: 29926, Stop: 31797, Start Num: 171

Candidate Starts for Kamdara_40:

(Start: 171 @29926 has 61 MA's), (263, 30109), (281, 30148), (293, 30166), (315, 30238), (328, 30262), (332, 30274), (333, 30277), (366, 30358), (468, 30550), (489, 30598), (531, 30688), (594, 30829), (635, 30952), (649, 31012), (674, 31078), (675, 31093), (683, 31129), (686, 31138), (692, 31165), (726, 31258), (758, 31351), (793, 31429), (828, 31501), (836, 31540), (855, 31582), (868, 31636), (874, 31660), (884, 31681), (892, 31705),

Gene: Kamy_45 Start: 31572, Stop: 29746, Start Num: 181

Candidate Starts for Kamy_45:

(Start: 181 @31572 has 918 MA's), (195, 31551), (214, 31521), (224, 31491), (291, 31329), (298, 31311), (323, 31239), (328, 31230), (370, 31110), (378, 31086), (438, 30993), (460, 30945), (472, 30924), (489, 30885), (549, 30753), (560, 30732), (583, 30687), (586, 30675), (646, 30522), (649, 30501), (685, 30378), (692, 30348), (706, 30309), (728, 30243), (729, 30240), (733, 30225), (739, 30201), (750, 30177), (832, 29970), (874, 29835), (880, 29823), (884, 29814),

Gene: Kanely_45 Start: 34951, Stop: 33125, Start Num: 181

Candidate Starts for Kanely_45:

(Start: 181 @34951 has 918 MA's), (277, 34738), (302, 34675), (311, 34645), (318, 34624), (323, 34618), (328, 34609), (369, 34492), (378, 34465), (438, 34372), (443, 34357), (483, 34273), (484, 34270), (514, 34204), (530, 34174), (542, 34144), (562, 34099), (583, 34060), (649, 33880), (665, 33832), (677, 33793), (692, 33727), (706, 33688), (722, 33667), (728, 33646), (733, 33628), (757, 33562), (828, 33412), (829, 33409), (836, 33373), (846, 33349), (852, 33340), (856, 33328), (874, 33253), (884, 33232),

Gene: KannH_38 Start: 28619, Stop: 26754, Start Num: 211

Candidate Starts for KannH_38:

(Start: 140 @28706 has 3 MA's), (Start: 142 @28703 has 1 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (561, 27812), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (712, 27350), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080), (829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: KatChan_40 Start: 28364, Stop: 26472, Start Num: 209

Candidate Starts for KatChan_40:

(137, 28454), (Start: 209 @28364 has 41 MA's), (Start: 215 @28355 has 5 MA's), (237, 28298), (247, 28268), (267, 28229), (275, 28214), (277, 28208), (288, 28190), (300, 28157), (335, 28079), (338, 28073), (354, 28022), (367, 27983), (410, 27872), (437, 27788), (440, 27776), (451, 27746), (458, 27731), (461, 27725), (466, 27719), (468, 27713), (472, 27707), (633, 27392), (675, 27197), (692, 27125), (707, 27083), (718, 27053), (725, 27032), (735, 26996), (756, 26924), (802, 26807), (804, 26798), (829, 26738), (833, 26714), (836, 26702), (851, 26666), (874, 26570),

Gene: Katalie136_44 Start: 31522, Stop: 29693, Start Num: 181

Candidate Starts for Katalie136_44:

(Start: 181 @31522 has 918 MA's), (214, 31471), (224, 31441), (291, 31279), (298, 31261), (302, 31246), (323, 31189), (328, 31180), (370, 31060), (378, 31036), (414, 30994), (438, 30943), (460, 30895), (472, 30874), (489, 30835), (506, 30790), (510, 30784), (549, 30703), (560, 30682), (583, 30637), (646, 30472), (649, 30451), (692, 30298), (706, 30259), (729, 30187), (733, 30172), (739, 30148), (748, 30130), (750, 30124), (753, 30118), (832, 29917), (874, 29782), (880, 29770), (884, 29761),

Gene: Kate33_43 Start: 29550, Stop: 31424, Start Num: 171

Candidate Starts for Kate33_43:

(Start: 168 @29547 has 7 MA's), (Start: 171 @29550 has 61 MA's), (Start: 219 @29619 has 1 MA's), (227, 29640), (328, 29886), (366, 29982), (438, 30108), (489, 30222), (594, 30456), (634, 30576), (635, 30579), (649, 30639), (650, 30645), (667, 30690), (674, 30705), (675, 30720), (683, 30756), (692, 30792), (726, 30885), (793, 31056), (795, 31059), (828, 31128), (836, 31167), (855, 31209), (858, 31227), (868, 31263), (874, 31287), (884, 31308),

Gene: KatherineG_48 Start: 30182, Stop: 28392, Start Num: 181

Candidate Starts for KatherineG_48:

(Start: 181 @30182 has 918 MA's), (261, 30008), (302, 29903), (303, 29900), (311, 29873), (323, 29846), (341, 29795), (378, 29693), (438, 29600), (455, 29555), (458, 29552), (466, 29543), (539, 29381), (549, 29354), (560, 29333), (562, 29327), (619, 29228), (628, 29189), (644, 29138), (649, 29108), (667, 29057), (676, 29024), (683, 28991), (685, 28985), (692, 28955), (722, 28895), (728, 28874), (739, 28832), (751, 28805), (757, 28790), (796, 28703), (828, 28640), (829, 28637), (874,

28481), (880, 28469), (885, 28457),

Gene: Katzastrophic_41 Start: 29917, Stop: 31788, Start Num: 171

Candidate Starts for Katzastrophic_41:

(Start: 171 @29917 has 61 MA's), (Start: 219 @29986 has 1 MA's), (259, 30091), (263, 30100), (328, 30253), (366, 30349), (369, 30358), (489, 30589), (494, 30604), (539, 30697), (583, 30787), (649, 31003), (667, 31054), (674, 31069), (683, 31120), (692, 31156), (726, 31249), (750, 31321), (793, 31420), (828, 31492), (832, 31516), (855, 31573), (868, 31627), (874, 31651), (884, 31672),

Gene: Kauala_37 Start: 28473, Stop: 26623, Start Num: 207

Candidate Starts for Kauala_37:

(Start: 207 @28473 has 19 MA's), (245, 28377), (259, 28350), (276, 28317), (329, 28206), (335, 28185), (338, 28179), (340, 28170), (351, 28134), (354, 28128), (415, 27972), (434, 27918), (437, 27909), (440, 27897), (451, 27867), (480, 27810), (568, 27663), (630, 27516), (685, 27306), (689, 27294), (692, 27276), (707, 27234), (712, 27219), (735, 27147), (802, 26958), (804, 26949), (829, 26889), (833, 26865), (839, 26844), (844, 26832), (874, 26721),

Gene: Kavo_36 Start: 27151, Stop: 25253, Start Num: 207

Candidate Starts for Kavo_36:

(2, 27889), (3, 27883), (33, 27628), (170, 27202), (Start: 207 @27151 has 19 MA's), (Start: 232 @27088 has 11 MA's), (255, 27037), (275, 26998), (300, 26941), (329, 26884), (332, 26875), (335, 26863), (338, 26857), (354, 26806), (367, 26767), (398, 26704), (410, 26659), (434, 26584), (437, 26575), (440, 26563), (451, 26533), (461, 26512), (468, 26500), (480, 26476), (570, 26326), (654, 26065), (680, 25963), (683, 25942), (692, 25906), (705, 25870), (707, 25864), (735, 25777), (743, 25750), (787, 25618), (804, 25579), (817, 25558), (829, 25519), (833, 25495), (835, 25489), (844, 25462), (874, 25351),

Gene: KayGee_46 Start: 34208, Stop: 31833, Start Num: 27

Candidate Starts for KayGee_46:

(Start: 27 @34208 has 14 MA's), (36, 34148), (46, 34106), (52, 34067), (73, 33947), (80, 33926), (97, 33902), (136, 33824), (Start: 140 @33818 has 3 MA's), (Start: 142 @33815 has 1 MA's), (165, 33785), (176, 33767), (189, 33749), (214, 33710), (Start: 215 @33707 has 5 MA's), (238, 33650), (245, 33626), (255, 33611), (287, 33548), (296, 33524), (299, 33515), (300, 33509), (302, 33503), (312, 33470), (329, 33449), (335, 33428), (404, 33245), (427, 33170), (440, 33128), (542, 33017), (552, 32993), (566, 32963), (596, 32912), (598, 32909), (606, 32894), (617, 32873), (656, 32699), (659, 32690), (667, 32660), (692, 32555), (705, 32519), (707, 32513), (709, 32507), (711, 32501), (729, 32444), (735, 32420), (766, 32315), (767, 32312), (806, 32219), (817, 32201), (829, 32162), (838, 32120), (848, 32096), (857, 32066), (868, 32018), (874, 31994), (889, 31949), (922, 31862),

Gene: Kaylissa_42 Start: 30090, Stop: 31955, Start Num: 181

Candidate Starts for Kaylissa_42:

(Start: 181 @30090 has 918 MA's), (213, 30138), (244, 30228), (247, 30234), (311, 30387), (332, 30435), (345, 30477), (440, 30684), (443, 30693), (484, 30783), (489, 30792), (494, 30807), (516, 30852), (539, 30897), (560, 30945), (586, 31002), (619, 31083), (643, 31170), (649, 31203), (660, 31233), (677, 31290), (692, 31356), (703, 31380), (726, 31449), (750, 31521), (799, 31629), (828, 31692), (832, 31716), (868, 31827), (874, 31851), (879, 31860),

Gene: Kazan_46 Start: 29633, Stop: 27792, Start Num: 181

Candidate Starts for Kazan_46:

(Start: 181 @29633 has 918 MA's), (273, 29429), (302, 29354), (303, 29351), (311, 29324), (316, 29309), (323, 29297), (341, 29246), (374, 29156), (378, 29144), (438, 29051), (453, 29012), (466, 28994), (472, 28979), (499, 28913), (516, 28880), (517, 28877), (564, 28775), (595, 28715), (628, 28631), (649, 28550), (676, 28466), (677, 28463), (680, 28454), (685, 28427), (692, 28397), (722,

28337), (733, 28298), (828, 28082), (829, 28079), (832, 28058), (874, 27923), (880, 27911), (884, 27902), (885, 27899), (923, 27806),

Gene: KeAlii_40 Start: 29667, Stop: 31577, Start Num: 181

Candidate Starts for KeAlii_40:

(65, 29409), (120, 29580), (Start: 181 @29667 has 918 MA's), (213, 29715), (290, 29898), (311, 29964), (345, 30054), (400, 30213), (440, 30306), (443, 30315), (489, 30414), (494, 30429), (516, 30474), (539, 30519), (560, 30567), (619, 30705), (633, 30759), (649, 30825), (672, 30888), (690, 30969), (692, 30978), (726, 31071), (799, 31251), (832, 31338), (874, 31473), (879, 31482), (884, 31494),

Gene: KekoraPapaka_45 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for KekoraPapaka_45:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Kela_63 Start: 43965, Stop: 41998, Start Num: 231

Candidate Starts for Kela_63:

(Start: 231 @43965 has 7 MA's), (261, 43887), (268, 43869), (269, 43866), (300, 43797), (328, 43695), (343, 43647), (371, 43569), (387, 43521), (412, 43416), (423, 43377), (428, 43365), (436, 43338), (448, 43302), (478, 43230), (494, 43185), (544, 43074), (573, 43002), (578, 42975), (615, 42864), (622, 42837), (631, 42804), (642, 42774), (656, 42714), (671, 42669), (686, 42603), (693, 42573), (696, 42552), (698, 42546), (761, 42384), (766, 42366), (767, 42363), (828, 42243), (839, 42195), (845, 42183), (852, 42174), (856, 42162), (859, 42144), (862, 42135), (865, 42120), (872, 42096),

Gene: KellyGreen_39 Start: 28613, Stop: 26748, Start Num: 211

Candidate Starts for KellyGreen_39:

(Start: 140 @28700 has 3 MA's), (Start: 211 @28613 has 115 MA's), (Start: 215 @28604 has 5 MA's), (255, 28499), (259, 28490), (275, 28460), (276, 28457), (332, 28337), (335, 28325), (338, 28319), (374, 28214), (384, 28187), (434, 28046), (435, 28040), (437, 28037), (440, 28025), (450, 27998), (451, 27995), (458, 27980), (461, 27974), (466, 27968), (481, 27935), (561, 27806), (584, 27746), (685, 27431), (688, 27422), (689, 27419), (692, 27401), (707, 27359), (709, 27353), (718, 27329), (735, 27272), (787, 27113), (802, 27083), (804, 27074), (829, 27014), (833, 26990), (846, 26951), (857, 26918), (858, 26906), (874, 26846),

Gene: Kenmech_48 Start: 35912, Stop: 34083, Start Num: 181

Candidate Starts for Kenmech_48:

(Start: 181 @35912 has 918 MA's), (277, 35699), (302, 35636), (311, 35606), (318, 35585), (323, 35579), (328, 35570), (369, 35453), (378, 35426), (438, 35333), (443, 35318), (483, 35234), (484, 35231), (514, 35165), (530, 35135), (542, 35105), (562, 35060), (583, 35021), (649, 34841), (665, 34793), (680, 34745), (689, 34706), (692, 34688), (706, 34649), (722, 34628), (728, 34607), (732, 34592), (779, 34469), (853, 34298), (858, 34274), (871, 34226), (874, 34214), (884, 34193), (887, 34187), (903, 34139), (908, 34124),

Gene: Kenzers_43 Start: 29644, Stop: 31518, Start Num: 171

Candidate Starts for Kenzers_43:

(Start: 168 @29641 has 7 MA's), (Start: 171 @29644 has 61 MA's), (Start: 219 @29713 has 1 MA's), (227, 29734), (273, 29851), (302, 29914), (328, 29980), (341, 30022), (489, 30316), (594, 30550), (635, 30673), (649, 30733), (650, 30739), (667, 30784), (675, 30814), (683, 30850), (692, 30886), (726, 30979), (758, 31072), (793, 31150), (828, 31222), (836, 31261), (855, 31303), (858, 31321),

(874, 31381), (884, 31402),

Gene: Kerberos_47 Start: 31153, Stop: 29330, Start Num: 181

Candidate Starts for Kerberos_47:

(Start: 181 @31153 has 918 MA's), (273, 30949), (285, 30925), (291, 30907), (298, 30889), (302, 30874), (303, 30871), (311, 30844), (323, 30817), (341, 30766), (378, 30664), (438, 30571), (458, 30523), (466, 30514), (471, 30502), (472, 30499), (499, 30433), (530, 30373), (583, 30259), (595, 30235), (617, 30196), (649, 30070), (667, 30019), (677, 29983), (692, 29917), (706, 29878), (729, 29809), (739, 29770), (758, 29725), (767, 29695), (801, 29632), (813, 29620), (816, 29614), (832, 29554), (874, 29419), (880, 29407), (884, 29398),

Gene: Keziacharles14_44 Start: 32157, Stop: 30364, Start Num: 180

Candidate Starts for Keziacharles14_44:

(116, 32262), (Start: 180 @32157 has 21 MA's), (187, 32148), (244, 32019), (259, 31986), (273, 31953), (291, 31911), (302, 31878), (303, 31875), (316, 31833), (323, 31821), (341, 31770), (378, 31668), (379, 31665), (438, 31575), (451, 31539), (514, 31407), (586, 31248), (616, 31209), (618, 31203), (649, 31080), (680, 30984), (683, 30963), (692, 30927), (728, 30846), (767, 30729), (779, 30708), (801, 30666), (828, 30612), (859, 30510), (874, 30453), (880, 30441), (884, 30432),

Gene: Kieran_40 Start: 29929, Stop: 31800, Start Num: 171

Candidate Starts for Kieran_40:

(Start: 171 @29929 has 61 MA's), (263, 30112), (281, 30151), (293, 30169), (328, 30265), (332, 30277), (333, 30280), (366, 30361), (468, 30553), (489, 30601), (531, 30691), (594, 30832), (635, 30955), (649, 31015), (674, 31081), (675, 31096), (683, 31132), (686, 31141), (692, 31168), (726, 31261), (793, 31432), (828, 31504), (836, 31543), (855, 31585), (868, 31639), (874, 31663), (884, 31684), (892, 31708),

Gene: KikiBouba_46 Start: 35358, Stop: 33532, Start Num: 181

Candidate Starts for KikiBouba_46:

(Start: 181 @35358 has 918 MA's), (277, 35145), (285, 35130), (311, 35052), (318, 35031), (323, 35025), (328, 35016), (369, 34899), (378, 34872), (438, 34779), (443, 34764), (483, 34680), (484, 34677), (514, 34611), (542, 34551), (562, 34506), (583, 34467), (649, 34287), (665, 34239), (677, 34200), (692, 34134), (706, 34095), (722, 34074), (728, 34053), (733, 34035), (757, 33969), (825, 33828), (828, 33819), (829, 33816), (836, 33780), (846, 33756), (852, 33747), (856, 33735), (874, 33660), (884, 33639),

Gene: Killigrew_44 Start: 34598, Stop: 32769, Start Num: 181

Candidate Starts for Killigrew_44:

(Start: 181 @34598 has 918 MA's), (277, 34385), (285, 34370), (302, 34322), (311, 34292), (318, 34271), (323, 34265), (328, 34256), (369, 34139), (378, 34112), (438, 34019), (443, 34004), (483, 33920), (484, 33917), (514, 33851), (530, 33821), (542, 33791), (562, 33746), (583, 33707), (649, 33527), (665, 33479), (680, 33431), (689, 33392), (692, 33374), (706, 33335), (722, 33314), (728, 33293), (732, 33278), (779, 33155), (853, 32984), (858, 32960), (871, 32912), (874, 32900), (884, 32879), (887, 32873), (903, 32825), (908, 32810),

Gene: KimJongPhill_80 Start: 57331, Stop: 59844, Start Num: 21

Candidate Starts for KimJongPhill_80:

(Start: 7 @57226 has 1 MA's), (12, 57268), (17, 57298), (Start: 21 @57331 has 1 MA's), (44, 57460), (Start: 45 @57466 has 1 MA's), (48, 57475), (61, 57571), (66, 57589), (110, 57733), (Start: 126 @57766 has 1 MA's), (Start: 142 @57796 has 1 MA's), (204, 57892), (Start: 215 @57910 has 5 MA's), (238, 57979), (312, 58159), (326, 58174), (335, 58201), (359, 58273), (385, 58321), (427, 58438), (496, 58567), (596, 58753), (598, 58756), (614, 58780), (621, 58804), (645, 58891), (678, 59047), (682, 59068), (692, 59110), (705, 59146), (707, 59152), (709, 59158), (711, 59164), (735, 59245),

(776, 59383), (787, 59404), (832, 59524), (837, 59542), (848, 59569), (865, 59638), (867, 59644), (870, 59656), (874, 59671), (884, 59704), (906, 59770),

Gene: Kimba_45 Start: 30739, Stop: 28952, Start Num: 181

Candidate Starts for Kimba_45:

(Start: 181 @30739 has 918 MA's), (273, 30535), (302, 30463), (311, 30433), (323, 30406), (440, 30154), (466, 30103), (499, 30022), (523, 29977), (524, 29974), (560, 29893), (586, 29836), (617, 29794), (628, 29749), (649, 29668), (667, 29617), (677, 29581), (692, 29515), (722, 29455), (725, 29443), (760, 29341), (767, 29317), (777, 29299), (816, 29236), (825, 29209), (828, 29200), (832, 29176), (874, 29041), (880, 29029), (884, 29020),

Gene: Kimona_43 Start: 29598, Stop: 27742, Start Num: 181

Candidate Starts for Kimona_43:

(Start: 181 @29598 has 918 MA's), (273, 29394), (311, 29292), (318, 29271), (323, 29265), (328, 29256), (374, 29124), (378, 29112), (438, 29016), (489, 28905), (499, 28878), (549, 28773), (560, 28752), (583, 28707), (613, 28638), (628, 28581), (649, 28500), (692, 28347), (706, 28308), (729, 28236), (733, 28221), (739, 28197), (757, 28155), (767, 28122), (874, 27831), (880, 27819), (884, 27810),

Gene: KingCyrus_47 Start: 33203, Stop: 31416, Start Num: 181

Candidate Starts for KingCyrus_47:

(138, 33239), (Start: 181 @33203 has 918 MA's), (275, 32996), (277, 32990), (286, 32975), (291, 32960), (303, 32924), (311, 32897), (323, 32870), (332, 32849), (378, 32717), (438, 32624), (458, 32576), (466, 32567), (472, 32552), (499, 32486), (539, 32405), (560, 32357), (583, 32312), (595, 32288), (649, 32132), (667, 32081), (676, 32048), (677, 32045), (692, 31979), (706, 31940), (722, 31919), (745, 31844), (750, 31832), (767, 31781), (801, 31718), (816, 31700), (828, 31664), (859, 31562), (874, 31505), (880, 31493), (884, 31484),

Gene: KingJulien_38 Start: 29054, Stop: 27189, Start Num: 211

Candidate Starts for KingJulien_38:

(Start: 211 @29054 has 115 MA's), (Start: 215 @29045 has 5 MA's), (330, 28781), (335, 28766), (338, 28760), (384, 28628), (406, 28574), (410, 28562), (434, 28487), (437, 28478), (440, 28466), (450, 28439), (451, 28436), (458, 28421), (461, 28415), (468, 28403), (496, 28334), (630, 28085), (685, 27872), (688, 27863), (689, 27860), (692, 27842), (707, 27800), (735, 27713), (787, 27554), (802, 27524), (829, 27455), (833, 27431), (846, 27392), (857, 27359), (858, 27347),

Gene: Kingmustik0402_45 Start: 31559, Stop: 29733, Start Num: 181

Candidate Starts for Kingmustik0402_45:

(Start: 181 @31559 has 918 MA's), (195, 31538), (214, 31508), (224, 31478), (291, 31316), (298, 31298), (323, 31226), (328, 31217), (370, 31097), (378, 31073), (438, 30980), (460, 30932), (472, 30911), (489, 30872), (549, 30740), (560, 30719), (583, 30674), (586, 30662), (646, 30509), (649, 30488), (685, 30365), (692, 30335), (706, 30296), (728, 30230), (729, 30227), (733, 30212), (739, 30188), (750, 30164), (832, 29957), (874, 29822), (880, 29810), (884, 29801),

Gene: Kinmap_43 Start: 30677, Stop: 28872, Start Num: 181

Candidate Starts for Kinmap_43:

(Start: 181 @30677 has 918 MA's), (291, 30431), (302, 30398), (303, 30395), (311, 30368), (323, 30341), (328, 30332), (378, 30188), (438, 30095), (458, 30047), (622, 29699), (632, 29663), (649, 29594), (667, 29537), (685, 29465), (692, 29435), (728, 29354), (767, 29237), (828, 29120), (874, 28961), (880, 28949), (884, 28940),

Gene: Kipper29_45 Start: 29646, Stop: 27805, Start Num: 181

Candidate Starts for Kipper29_45:

(Start: 181 @29646 has 918 MA's), (273, 29442), (302, 29367), (303, 29364), (311, 29337), (316, 29322), (323, 29310), (341, 29259), (374, 29169), (378, 29157), (438, 29064), (453, 29025), (466, 29007), (472, 28992), (499, 28926), (516, 28893), (517, 28890), (564, 28788), (595, 28728), (628, 28644), (649, 28563), (676, 28479), (677, 28476), (680, 28467), (685, 28440), (692, 28410), (722, 28350), (733, 28311), (828, 28095), (829, 28092), (832, 28071), (874, 27936), (880, 27924), (884, 27915), (885, 27912), (923, 27819),

Gene: KittenMittens_41 Start: 30386, Stop: 28554, Start Num: 181

Candidate Starts for KittenMittens_41:

(Start: 181 @30386 has 918 MA's), (214, 30335), (238, 30269), (273, 30182), (277, 30173), (299, 30122), (302, 30110), (323, 30053), (353, 29972), (358, 29960), (360, 29951), (370, 29924), (378, 29900), (438, 29807), (453, 29768), (489, 29699), (499, 29672), (562, 29540), (649, 29312), (674, 29246), (685, 29189), (692, 29159), (706, 29120), (729, 29048), (733, 29033), (739, 29009), (757, 28967), (767, 28934), (832, 28778), (839, 28754), (862, 28691), (874, 28643), (880, 28631), (884, 28622),

Gene: Klimt_38 Start: 28614, Stop: 26749, Start Num: 211

Candidate Starts for Klimt_38:

(Start: 140 @28701 has 3 MA's), (Start: 211 @28614 has 115 MA's), (Start: 215 @28605 has 5 MA's), (255, 28500), (259, 28491), (275, 28461), (276, 28458), (332, 28338), (335, 28326), (338, 28320), (374, 28215), (384, 28188), (434, 28047), (435, 28041), (437, 28038), (440, 28026), (450, 27999), (451, 27996), (458, 27981), (461, 27975), (466, 27969), (481, 27936), (561, 27807), (584, 27747), (685, 27432), (688, 27423), (689, 27420), (692, 27402), (707, 27360), (709, 27354), (718, 27330), (735, 27273), (787, 27114), (802, 27084), (804, 27075), (829, 27015), (833, 26991), (846, 26952), (857, 26919), (858, 26907), (874, 26847),

Gene: Klodlith_43 Start: 30725, Stop: 28932, Start Num: 181

Candidate Starts for Klodlith_43:

(Start: 181 @30725 has 918 MA's), (187, 30716), (259, 30554), (261, 30551), (273, 30521), (293, 30476), (303, 30443), (311, 30416), (316, 30401), (323, 30389), (341, 30338), (370, 30260), (378, 30236), (438, 30143), (447, 30119), (455, 30098), (514, 29975), (586, 29816), (587, 29813), (616, 29777), (618, 29771), (649, 29648), (674, 29582), (689, 29513), (692, 29495), (722, 29435), (728, 29414), (767, 29297), (813, 29222), (828, 29180), (859, 29078), (874, 29021), (880, 29009), (884, 29000),

Gene: Knox_39 Start: 28934, Stop: 27069, Start Num: 211

Candidate Starts for Knox_39:

(Start: 140 @29021 has 3 MA's), (Start: 142 @29018 has 1 MA's), (Start: 211 @28934 has 115 MA's), (Start: 215 @28925 has 5 MA's), (255, 28820), (259, 28811), (275, 28781), (276, 28778), (330, 28661), (335, 28646), (338, 28640), (374, 28535), (384, 28508), (434, 28367), (437, 28358), (440, 28346), (450, 28319), (451, 28316), (458, 28301), (461, 28295), (466, 28289), (481, 28256), (584, 28067), (617, 28013), (622, 27992), (685, 27752), (688, 27743), (689, 27740), (692, 27722), (707, 27680), (709, 27674), (718, 27650), (735, 27593), (787, 27434), (802, 27404), (804, 27395), (829, 27335), (833, 27311), (846, 27272), (857, 27239), (858, 27227), (874, 27167),

Gene: Koan_43 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Koan_43:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Koduck_44 Start: 30337, Stop: 28550, Start Num: 180

Candidate Starts for Koduck_44:

(Start: 180 @30337 has 21 MA's), (275, 30130), (277, 30124), (286, 30109), (291, 30094), (301, 30064), (302, 30061), (311, 30031), (323, 30004), (332, 29983), (341, 29953), (378, 29851), (438, 29758), (455, 29713), (458, 29710), (466, 29701), (472, 29686), (499, 29620), (516, 29587), (539, 29539), (560, 29491), (649, 29266), (667, 29215), (676, 29182), (677, 29179), (692, 29113), (706, 29074), (722, 29053), (745, 28978), (753, 28960), (767, 28915), (782, 28888), (801, 28852), (816, 28834), (828, 28798), (832, 28774), (855, 28717), (874, 28639), (880, 28627), (884, 28618),

Gene: Koji_37 Start: 28666, Stop: 26816, Start Num: 207

Candidate Starts for Koji_37:

(Start: 207 @28666 has 19 MA's), (259, 28543), (276, 28510), (329, 28399), (335, 28378), (338, 28372), (340, 28363), (354, 28321), (415, 28165), (434, 28111), (435, 28105), (437, 28102), (440, 28090), (451, 28060), (480, 28003), (602, 27787), (630, 27709), (685, 27499), (689, 27487), (692, 27469), (707, 27427), (735, 27340), (802, 27151), (804, 27142), (829, 27082), (833, 27058), (839, 27037), (844, 27025), (874, 26914),

Gene: Koko_47 Start: 30329, Stop: 28530, Start Num: 181

Candidate Starts for Koko_47:

(Start: 181 @30329 has 918 MA's), (273, 30125), (277, 30116), (302, 30050), (303, 30047), (311, 30020), (316, 30005), (323, 29993), (341, 29942), (374, 29852), (378, 29840), (438, 29747), (458, 29699), (466, 29690), (547, 29507), (622, 29357), (649, 29252), (667, 29195), (677, 29159), (680, 29150), (685, 29123), (692, 29093), (706, 29054), (722, 29033), (731, 29000), (733, 28994), (767, 28895), (801, 28832), (828, 28778), (832, 28754), (855, 28697), (874, 28619), (880, 28607), (884, 28598), (885, 28595),

Gene: Koreni_44 Start: 31251, Stop: 29425, Start Num: 181

Candidate Starts for Koreni_44:

(Start: 181 @31251 has 918 MA's), (195, 31230), (214, 31200), (224, 31170), (291, 31008), (298, 30990), (323, 30918), (328, 30909), (370, 30789), (378, 30765), (438, 30672), (460, 30624), (472, 30603), (489, 30564), (549, 30432), (560, 30411), (583, 30366), (586, 30354), (646, 30201), (649, 30180), (685, 30057), (692, 30027), (706, 29988), (728, 29922), (729, 29919), (733, 29904), (739, 29880), (750, 29856), (832, 29649), (874, 29514), (880, 29502), (884, 29493),

Gene: Kouch_39 Start: 28619, Stop: 26754, Start Num: 211

Candidate Starts for Kouch_39:

(Start: 140 @28706 has 3 MA's), (Start: 142 @28703 has 1 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (561, 27812), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (712, 27350), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080), (829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: Kradal_67 Start: 46750, Stop: 44786, Start Num: 231

Candidate Starts for Kradal_67:

(Start: 231 @46750 has 7 MA's), (268, 46654), (310, 46546), (314, 46534), (328, 46480), (356, 46396), (396, 46261), (423, 46162), (428, 46150), (436, 46123), (440, 46108), (494, 45970), (535, 45883), (573, 45787), (609, 45679), (611, 45676), (616, 45649), (623, 45622), (631, 45592), (642, 45562), (671, 45457), (695, 45349), (696, 45340), (698, 45334), (755, 45190), (761, 45172), (766, 45154), (801, 45100), (839, 44983), (845, 44971), (852, 44962), (856, 44950), (859, 44932), (865, 44908), (872, 44884), (879, 44866),

Gene: Kratak_45 Start: 31709, Stop: 29883, Start Num: 181

Candidate Starts for Kratak_45:

(Start: 181 @31709 has 918 MA's), (195, 31688), (214, 31658), (224, 31628), (291, 31466), (298, 31448), (323, 31376), (328, 31367), (370, 31247), (378, 31223), (438, 31130), (460, 31082), (489, 31022), (549, 30890), (560, 30869), (583, 30824), (586, 30812), (646, 30659), (649, 30638), (685, 30515), (692, 30485), (706, 30446), (728, 30380), (729, 30377), (733, 30362), (739, 30338), (750, 30314), (832, 30107), (874, 29972), (880, 29960), (884, 29951),

Gene: Kremtemulon_45 Start: 31521, Stop: 29695, Start Num: 181

Candidate Starts for Kremtemulon_45:

(Start: 181 @31521 has 918 MA's), (213, 31473), (273, 31317), (302, 31245), (323, 31188), (328, 31179), (370, 31059), (378, 31035), (420, 30981), (438, 30942), (460, 30894), (472, 30873), (489, 30834), (549, 30702), (553, 30693), (560, 30681), (583, 30636), (586, 30624), (646, 30471), (649, 30450), (685, 30327), (692, 30297), (706, 30258), (728, 30192), (729, 30189), (733, 30174), (739, 30150), (750, 30126), (832, 29919), (874, 29784), (880, 29772), (884, 29763),

Gene: Krishelle_36 Start: 28397, Stop: 26613, Start Num: 181

Candidate Starts for Krishelle_36:

(Start: 181 @28397 has 918 MA's), (259, 28226), (288, 28163), (301, 28124), (302, 28121), (316, 28076), (323, 28064), (328, 28055), (340, 28016), (378, 27911), (438, 27818), (458, 27770), (489, 27707), (499, 27680), (549, 27575), (562, 27548), (583, 27509), (649, 27329), (665, 27281), (692, 27176), (693, 27173), (722, 27116), (728, 27095), (741, 27047), (769, 26972), (813, 26903), (828, 26861), (829, 26858), (832, 26837), (836, 26822), (859, 26759), (874, 26702), (880, 26690), (894, 26651), (900, 26633),

Gene: Kristoff_44 Start: 31492, Stop: 29657, Start Num: 181

Candidate Starts for Kristoff_44:

(Start: 181 @31492 has 918 MA's), (214, 31441), (238, 31375), (273, 31288), (285, 31264), (299, 31228), (302, 31216), (323, 31159), (328, 31150), (378, 31006), (414, 30964), (438, 30913), (460, 30865), (489, 30805), (548, 30676), (549, 30673), (560, 30652), (562, 30646), (618, 30538), (649, 30415), (665, 30367), (685, 30292), (692, 30262), (706, 30223), (728, 30154), (729, 30151), (739, 30112), (750, 30088), (753, 30082), (757, 30070), (832, 29881), (839, 29857), (862, 29794), (874, 29746), (880, 29734), (884, 29725),

Gene: Kugel_46 Start: 35094, Stop: 33268, Start Num: 181

Candidate Starts for Kugel_46:

(Start: 181 @35094 has 918 MA's), (277, 34881), (285, 34866), (302, 34818), (311, 34788), (318, 34767), (323, 34761), (328, 34752), (369, 34635), (378, 34608), (438, 34515), (443, 34500), (458, 34467), (483, 34416), (484, 34413), (514, 34347), (542, 34287), (562, 34242), (583, 34203), (649, 34023), (665, 33975), (677, 33936), (692, 33870), (706, 33831), (722, 33810), (728, 33789), (733, 33771), (757, 33705), (828, 33555), (829, 33552), (836, 33516), (846, 33492), (852, 33483), (856, 33471), (874, 33396), (884, 33375),

Gene: Kurt1_39 Start: 28930, Stop: 27065, Start Num: 211

Candidate Starts for Kurt1_39:

(Start: 140 @29017 has 3 MA's), (Start: 142 @29014 has 1 MA's), (Start: 211 @28930 has 115 MA's), (Start: 215 @28921 has 5 MA's), (255, 28816), (259, 28807), (275, 28777), (276, 28774), (332, 28654), (335, 28642), (338, 28636), (374, 28531), (384, 28504), (434, 28363), (435, 28357), (437, 28354), (440, 28342), (450, 28315), (451, 28312), (458, 28297), (461, 28291), (466, 28285), (481, 28252), (584, 28063), (685, 27748), (688, 27739), (689, 27736), (692, 27718), (707, 27676), (709, 27670), (712, 27661), (718, 27646), (735, 27589), (787, 27430), (802, 27400), (804, 27391), (829, 27331), (833, 27307), (846, 27268), (857, 27235), (858, 27223), (874, 27163),

Gene: KyMonks1A_47 Start: 34990, Stop: 33164, Start Num: 181

Candidate Starts for KyMonks1A_47:

(Start: 181 @34990 has 918 MA's), (277, 34777), (285, 34762), (311, 34684), (318, 34663), (323, 34657), (328, 34648), (369, 34531), (378, 34504), (438, 34411), (443, 34396), (458, 34363), (483, 34312), (484, 34309), (514, 34243), (530, 34213), (542, 34183), (562, 34138), (583, 34099), (649, 33919), (665, 33871), (677, 33832), (692, 33766), (706, 33727), (722, 33706), (728, 33685), (733, 33667), (757, 33601), (828, 33451), (829, 33448), (836, 33412), (846, 33388), (852, 33379), (856, 33367), (862, 33340), (874, 33292), (884, 33271),

Gene: Kyee_45 Start: 31568, Stop: 29742, Start Num: 181

Candidate Starts for Kyee_45:

(Start: 181 @31568 has 918 MA's), (195, 31547), (214, 31517), (224, 31487), (291, 31325), (298, 31307), (323, 31235), (328, 31226), (370, 31106), (378, 31082), (438, 30989), (460, 30941), (472, 30920), (489, 30881), (549, 30749), (560, 30728), (583, 30683), (586, 30671), (646, 30518), (649, 30497), (685, 30374), (692, 30344), (706, 30305), (728, 30239), (729, 30236), (733, 30221), (739, 30197), (750, 30173), (832, 29966), (874, 29831), (880, 29819), (884, 29810),

Gene: Kykar_45 Start: 34788, Stop: 32959, Start Num: 181

Candidate Starts for Kykar_45:

(Start: 181 @34788 has 918 MA's), (277, 34575), (285, 34560), (311, 34482), (318, 34461), (323, 34455), (328, 34446), (378, 34302), (438, 34209), (443, 34194), (483, 34110), (484, 34107), (514, 34041), (530, 34011), (542, 33981), (562, 33936), (583, 33897), (649, 33717), (665, 33669), (680, 33621), (689, 33582), (692, 33564), (706, 33525), (722, 33504), (728, 33483), (732, 33468), (779, 33345), (853, 33174), (858, 33150), (871, 33102), (874, 33090), (884, 33069), (887, 33063), (903, 33015), (908, 33000),

Gene: L5_44 Start: 30476, Stop: 28689, Start Num: 180

Candidate Starts for L5_44:

(Start: 180 @30476 has 21 MA's), (273, 30272), (275, 30269), (277, 30263), (286, 30248), (291, 30233), (301, 30203), (302, 30200), (311, 30170), (323, 30143), (332, 30122), (341, 30092), (378, 29990), (438, 29897), (455, 29852), (458, 29849), (466, 29840), (472, 29825), (499, 29759), (516, 29726), (539, 29678), (560, 29630), (649, 29405), (667, 29354), (676, 29321), (677, 29318), (692, 29252), (706, 29213), (722, 29192), (745, 29117), (753, 29099), (767, 29054), (782, 29027), (801, 28991), (816, 28973), (828, 28937), (832, 28913), (855, 28856), (874, 28778), (880, 28766), (884, 28757),

Gene: LBerry_49 Start: 31856, Stop: 30042, Start Num: 181

Candidate Starts for LBerry_49:

(Start: 181 @31856 has 918 MA's), (206, 31817), (214, 31805), (273, 31652), (281, 31637), (302, 31580), (323, 31523), (328, 31514), (341, 31472), (360, 31421), (378, 31370), (438, 31277), (458, 31229), (466, 31220), (472, 31205), (489, 31166), (499, 31139), (514, 31109), (555, 31016), (584, 30956), (595, 30941), (649, 30785), (677, 30698), (692, 30632), (706, 30593), (729, 30521), (739, 30482), (750, 30458), (757, 30440), (767, 30407), (782, 30380), (816, 30326), (832, 30266), (859, 30188), (874, 30131), (880, 30119), (884, 30110),

Gene: LHTSCC_47 Start: 31992, Stop: 30166, Start Num: 181

Candidate Starts for LHTSCC_47:

(Start: 181 @31992 has 918 MA's), (213, 31944), (273, 31788), (302, 31716), (323, 31659), (328, 31650), (370, 31530), (378, 31506), (438, 31413), (460, 31365), (472, 31344), (489, 31305), (506, 31260), (549, 31173), (553, 31164), (560, 31152), (583, 31107), (586, 31095), (646, 30942), (649, 30921), (685, 30798), (692, 30768), (706, 30729), (728, 30663), (729, 30660), (739, 30621), (750, 30597), (832, 30390), (874, 30255), (880, 30243), (884, 30234),

Gene: LadyAstra_48 Start: 30680, Stop: 32542, Start Num: 180

Candidate Starts for LadyAstra_48:

(Start: 180 @30680 has 21 MA's), (213, 30728), (277, 30893), (311, 30977), (338, 31043), (447, 31289), (489, 31379), (555, 31526), (560, 31532), (597, 31616), (649, 31790), (676, 31874), (683, 31907), (726, 32036), (729, 32045), (765, 32147), (832, 32303), (839, 32327), (853, 32354), (857, 32366), (874, 32438),

Gene: LadyBird_47 Start: 31737, Stop: 29950, Start Num: 181

Candidate Starts for LadyBird_47:

(Start: 181 @31737 has 918 MA's), (273, 31533), (275, 31530), (277, 31524), (286, 31509), (291, 31494), (302, 31461), (303, 31458), (311, 31431), (323, 31404), (332, 31383), (341, 31353), (378, 31251), (438, 31158), (441, 31149), (458, 31110), (466, 31101), (472, 31086), (499, 31020), (539, 30939), (560, 30891), (562, 30885), (628, 30747), (649, 30666), (667, 30615), (676, 30582), (677, 30579), (692, 30513), (706, 30474), (722, 30453), (745, 30378), (753, 30360), (767, 30315), (782, 30288), (801, 30252), (816, 30234), (828, 30198), (832, 30174), (855, 30117), (874, 30039), (880, 30027), (884, 30018),

Gene: LadyJasley_40 Start: 33345, Stop: 31501, Start Num: 205

Candidate Starts for LadyJasley_40:

(149, 33429), (153, 33423), (173, 33393), (Start: 205 @33345 has 1 MA's), (Start: 218 @33315 has 1 MA's), (256, 33216), (263, 33201), (309, 33078), (312, 33069), (348, 32997), (358, 32979), (363, 32964), (413, 32889), (427, 32862), (432, 32847), (449, 32793), (450, 32790), (489, 32703), (546, 32583), (550, 32568), (587, 32481), (615, 32424), (707, 32079), (740, 31995), (757, 31956), (779, 31902), (795, 31872), (833, 31773), (836, 31761), (839, 31752), (853, 31719), (872, 31644), (874, 31635), (881, 31608), (916, 31515), (921, 31506),

Gene: Lahqtemish_42 Start: 29831, Stop: 31705, Start Num: 171

Candidate Starts for Lahqtemish_42:

(Start: 171 @29831 has 61 MA's), (Start: 219 @29900 has 1 MA's), (227, 29921), (302, 30101), (333, 30182), (489, 30503), (594, 30737), (634, 30857), (635, 30860), (649, 30920), (650, 30926), (674, 30986), (675, 31001), (683, 31037), (686, 31046), (692, 31073), (726, 31166), (731, 31184), (739, 31214), (793, 31337), (795, 31340), (828, 31409), (836, 31448), (839, 31457), (855, 31490), (857, 31496), (858, 31508), (868, 31544), (874, 31568), (880, 31580), (884, 31589), (892, 31613),

Gene: Lambert1_44 Start: 31597, Stop: 29759, Start Num: 181

Candidate Starts for Lambert1_44:

(Start: 181 @31597 has 918 MA's), (214, 31546), (273, 31393), (302, 31321), (311, 31291), (323, 31264), (328, 31255), (378, 31111), (438, 31015), (460, 30967), (489, 30907), (531, 30820), (549, 30775), (560, 30754), (596, 30682), (618, 30640), (628, 30598), (649, 30517), (665, 30469), (677, 30430), (685, 30394), (692, 30364), (704, 30334), (729, 30253), (739, 30214), (750, 30190), (757, 30172), (758, 30169), (816, 30043), (832, 29983), (862, 29896), (874, 29848), (880, 29836), (884, 29827),

Gene: Lamina13_45 Start: 34387, Stop: 32561, Start Num: 181

Candidate Starts for Lamina13_45:

(Start: 181 @34387 has 918 MA's), (277, 34174), (285, 34159), (311, 34081), (318, 34060), (323, 34054), (328, 34045), (369, 33928), (378, 33901), (438, 33808), (443, 33793), (483, 33709), (484, 33706), (514, 33640), (530, 33610), (542, 33580), (562, 33535), (583, 33496), (649, 33316), (665, 33268), (677, 33229), (692, 33163), (706, 33124), (722, 33103), (728, 33082), (733, 33064), (757, 32998), (828, 32848), (829, 32845), (836, 32809), (846, 32785), (852, 32776), (856, 32764), (874, 32689), (884, 32668),

Gene: Landor_44 Start: 32538, Stop: 30748, Start Num: 181

Candidate Starts for Landor_44:

(Start: 181 @32538 has 918 MA's), (273, 32334), (277, 32325), (303, 32256), (311, 32229), (323, 32202), (378, 32049), (438, 31956), (458, 31908), (466, 31899), (472, 31884), (499, 31818), (516, 31785), (553, 31701), (595, 31620), (617, 31590), (649, 31464), (660, 31434), (667, 31413), (685, 31341), (692, 31311), (706, 31272), (722, 31251), (728, 31230), (801, 31050), (813, 31038), (828, 30996), (832, 30972), (855, 30915), (859, 30894), (874, 30837), (880, 30825), (884, 30816),

Gene: LappelDuVide_45 Start: 31569, Stop: 29743, Start Num: 181

Candidate Starts for LappelDuVide_45:

(Start: 181 @31569 has 918 MA's), (195, 31548), (214, 31518), (224, 31488), (291, 31326), (298, 31308), (323, 31236), (328, 31227), (370, 31107), (378, 31083), (438, 30990), (460, 30942), (472, 30921), (489, 30882), (549, 30750), (560, 30729), (583, 30684), (586, 30672), (646, 30519), (649, 30498), (685, 30375), (692, 30345), (706, 30306), (728, 30240), (729, 30237), (733, 30222), (739, 30198), (750, 30174), (832, 29967), (874, 29832), (880, 29820), (884, 29811),

Gene: Larenn_44 Start: 31600, Stop: 29807, Start Num: 181

Candidate Starts for Larenn_44:

(Start: 181 @31600 has 918 MA's), (273, 31396), (275, 31393), (277, 31387), (291, 31357), (302, 31324), (303, 31321), (311, 31294), (323, 31267), (341, 31216), (378, 31114), (438, 31021), (458, 30973), (466, 30964), (472, 30949), (499, 30883), (539, 30802), (560, 30754), (562, 30748), (628, 30610), (649, 30529), (667, 30472), (676, 30439), (685, 30400), (692, 30370), (706, 30331), (722, 30310), (728, 30289), (813, 30097), (816, 30091), (828, 30055), (832, 30031), (855, 29974), (859, 29953), (874, 29896), (880, 29884), (884, 29875),

Gene: LarryKay_48 Start: 31886, Stop: 30072, Start Num: 181

Candidate Starts for LarryKay_48:

(Start: 181 @31886 has 918 MA's), (206, 31847), (214, 31835), (273, 31682), (281, 31667), (302, 31610), (323, 31553), (328, 31544), (341, 31502), (360, 31451), (378, 31400), (420, 31346), (438, 31307), (458, 31259), (472, 31235), (489, 31196), (499, 31169), (514, 31139), (555, 31046), (562, 31034), (584, 30986), (595, 30971), (649, 30815), (667, 30764), (676, 30731), (677, 30728), (692, 30662), (706, 30623), (729, 30551), (739, 30512), (750, 30488), (757, 30470), (767, 30437), (816, 30356), (832, 30296), (862, 30209), (874, 30161), (880, 30149), (884, 30140), (885, 30137),

Gene: LastNadiia_43 Start: 31301, Stop: 29520, Start Num: 174

Candidate Starts for LastNadiia_43:

(Start: 174 @31301 has 2 MA's), (199, 31262), (220, 31220), (335, 30938), (341, 30920), (373, 30851), (381, 30827), (420, 30797), (438, 30758), (441, 30749), (476, 30677), (489, 30650), (494, 30635), (525, 30572), (550, 30515), (562, 30491), (565, 30485), (583, 30449), (586, 30437), (603, 30413), (646, 30299), (649, 30278), (650, 30272), (666, 30227), (681, 30176), (686, 30152), (692, 30125), (706, 30086), (714, 30059), (739, 29975), (748, 29957), (754, 29942), (767, 29900), (769, 29894), (782, 29873), (807, 29819), (815, 29804), (824, 29777), (833, 29738), (844, 29708), (855, 29681), (859, 29660), (860, 29657), (864, 29639), (869, 29624), (899, 29531),

Gene: LastResort_46 Start: 29743, Stop: 27953, Start Num: 181

Candidate Starts for LastResort_46:

(Start: 181 @29743 has 918 MA's), (261, 29569), (302, 29464), (303, 29461), (311, 29434), (323, 29407), (341, 29356), (378, 29254), (438, 29161), (455, 29116), (458, 29113), (466, 29104), (539, 28942), (549, 28915), (560, 28894), (562, 28888), (619, 28789), (628, 28750), (644, 28699), (649, 28669), (667, 28618), (676, 28585), (683, 28552), (685, 28546), (692, 28516), (722, 28456), (728, 28435), (739, 28393), (751, 28366), (757, 28351), (796, 28264), (828, 28201), (829, 28198), (874, 28042), (880, 28030), (885, 28018),

Gene: Lauer_41 Start: 35269, Stop: 32888, Start Num: 27

Candidate Starts for Lauer_41:

(Start: 27 @35269 has 14 MA's), (36, 35209), (46, 35167), (52, 35128), (68, 35038), (73, 35008), (80, 34987), (97, 34963), (136, 34885), (Start: 140 @34879 has 3 MA's), (Start: 142 @34876 has 1 MA's), (165, 34846), (196, 34798), (214, 34771), (Start: 215 @34768 has 5 MA's), (238, 34711), (245, 34687), (255, 34672), (265, 34651), (287, 34609), (296, 34585), (299, 34576), (300, 34570), (302, 34564), (312, 34531), (329, 34510), (335, 34489), (404, 34306), (427, 34231), (440, 34189), (496, 34102), (566, 34024), (570, 34018), (596, 33973), (598, 33970), (606, 33955), (617, 33934), (649, 33808), (656, 33760), (659, 33751), (667, 33721), (672, 33709), (692, 33616), (705, 33580), (707, 33574), (709, 33568), (711, 33562), (729, 33505), (735, 33481), (766, 33376), (767, 33373), (806, 33280), (817, 33262), (829, 33223), (838, 33181), (848, 33157), (857, 33127), (868, 33079), (870, 33070), (874, 33055), (889, 33010), (909, 32944), (922, 32923), (925, 32917), (928, 32911),

Gene: Laure_103 Start: 71511, Stop: 73079, Start Num: 295

Candidate Starts for Laure_103:

(Start: 190 @71280 has 7 MA's), (Start: 232 @71376 has 11 MA's), (295, 71511), (326, 71592), (335, 71619), (338, 71625), (369, 71694), (381, 71730), (447, 71823), (476, 71877), (489, 71904), (494, 71919), (521, 71973), (583, 72108), (587, 72123), (624, 72204), (634, 72237), (646, 72276), (649, 72297), (650, 72303), (657, 72318), (665, 72345), (676, 72387), (683, 72420), (705, 72504), (711, 72522), (726, 72570), (730, 72582), (739, 72618), (748, 72636), (754, 72651), (774, 72705), (783, 72723), (824, 72816), (833, 72855), (853, 72903), (855, 72909), (858, 72927), (862, 72939), (864, 72951), (874, 72987),

Gene: Leaf_95 Start: 58518, Stop: 60557, Start Num: 124

Candidate Starts for Leaf_95:

(Start: 124 @58518 has 4 MA's), (196, 58629), (Start: 198 @58632 has 6 MA's), (Start: 215 @58659 has 5 MA's), (234, 58716), (245, 58752), (262, 58791), (288, 58845), (293, 58857), (296, 58866), (305, 58902), (332, 58962), (336, 58977), (340, 58989), (355, 59034), (366, 59064), (410, 59178), (440, 59271), (441, 59274), (444, 59283), (451, 59301), (502, 59409), (550, 59463), (555, 59475), (581, 59541), (616, 59610), (662, 59763), (685, 59847), (692, 59877), (734, 60009), (735, 60012), (744, 60048), (755, 60081), (767, 60120), (829, 60270), (833, 60294), (835, 60300), (839, 60315), (850, 60345), (869, 60423), (874, 60444), (882, 60474), (896, 60516), (907, 60552),

Gene: Leafus_38 Start: 29199, Stop: 27334, Start Num: 211

Candidate Starts for Leafus_38:

(Start: 211 @29199 has 115 MA's), (Start: 215 @29190 has 5 MA's), (330, 28926), (335, 28911), (338, 28905), (384, 28773), (406, 28719), (434, 28632), (437, 28623), (440, 28611), (450, 28584), (451, 28581), (458, 28566), (461, 28560), (496, 28479), (584, 28332), (630, 28230), (685, 28017), (688, 28008), (689, 28005), (692, 27987), (707, 27945), (720, 27915), (735, 27858), (787, 27699), (802, 27669), (829, 27600), (833, 27576), (846, 27537), (858, 27492),

Gene: LeeroyJenkins_68 Start: 39223, Stop: 37388, Start Num: 230

Candidate Starts for LeeroyJenkins_68:

(225, 39238), (Start: 230 @39223 has 5 MA's), (236, 39208), (263, 39139), (293, 39079), (301, 39052), (302, 39049), (311, 39016), (315, 39004), (319, 38995), (321, 38986), (388, 38821), (393, 38803), (415, 38752), (418, 38743), (433, 38704), (440, 38683), (455, 38644), (472, 38611), (477, 38599), (479, 38593), (494, 38557), (507, 38524), (526, 38491), (539, 38464), (601, 38317), (623, 38260), (650, 38155), (664, 38107), (677, 38068), (680, 38059), (735, 37864), (747, 37837), (752, 37825), (764, 37813), (775, 37774), (801, 37726), (813, 37702), (836, 37618), (849, 37588), (855, 37570), (857, 37564), (859, 37549), (865, 37525), (869, 37513), (872, 37501), (874, 37492), (879, 37483), (888, 37462), (895, 37438), (899, 37423),

Gene: Lego_41 Start: 29589, Stop: 31454, Start Num: 181

Candidate Starts for Lego_41:

(Start: 181 @29589 has 918 MA's), (213, 29637), (311, 29886), (345, 29976), (440, 30183), (443, 30192), (484, 30282), (489, 30291), (494, 30306), (516, 30351), (539, 30396), (560, 30444), (586, 30501), (619, 30582), (643, 30669), (649, 30702), (660, 30732), (677, 30789), (692, 30855), (726, 30948), (750, 31020), (799, 31128), (828, 31191), (832, 31215), (868, 31326), (874, 31350), (879, 31359),

Gene: Lemur_45 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for Lemur_45:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: LeoAvram_45 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for LeoAvram_45:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: LeoJr_98 Start: 78660, Stop: 80378, Start Num: 227

Candidate Starts for LeoJr_98:

(Start: 190 @78585 has 7 MA's), (Start: 219 @78639 has 1 MA's), (Start: 223 @78648 has 1 MA's), (227, 78660), (314, 78879), (326, 78897), (335, 78924), (338, 78930), (381, 79035), (476, 79182), (489, 79209), (494, 79224), (521, 79278), (618, 79479), (624, 79506), (634, 79539), (646, 79578), (649, 79599), (650, 79605), (683, 79722), (705, 79806), (706, 79809), (726, 79872), (730, 79884), (739, 79920), (754, 79953), (774, 80007), (783, 80025), (828, 80130), (833, 80157), (837, 80172), (853, 80205), (855, 80211), (858, 80229), (862, 80241), (864, 80253), (865, 80256), (874, 80289), (892, 80340),

Gene: Leogania_44 Start: 32411, Stop: 30624, Start Num: 181

Candidate Starts for Leogania_44:

(Start: 181 @32411 has 918 MA's), (275, 32204), (277, 32198), (286, 32183), (291, 32168), (311, 32105), (323, 32078), (332, 32057), (378, 31925), (438, 31832), (466, 31775), (472, 31760), (499, 31694), (539, 31613), (560, 31565), (562, 31559), (628, 31421), (649, 31340), (667, 31289), (676, 31256), (677, 31253), (680, 31244), (685, 31217), (692, 31187), (706, 31148), (722, 31127), (728, 31106), (816, 30908), (828, 30872), (832, 30848), (855, 30791), (859, 30770), (874, 30713), (880, 30701), (884, 30692),

Gene: Lesedi_42 Start: 33941, Stop: 32115, Start Num: 181

Candidate Starts for Lesedi_42:

(Start: 181 @33941 has 918 MA's), (277, 33728), (302, 33665), (311, 33635), (318, 33614), (323, 33608), (328, 33599), (369, 33482), (378, 33455), (438, 33362), (443, 33347), (458, 33314), (483, 33263), (484, 33260), (514, 33194), (530, 33164), (542, 33134), (562, 33089), (583, 33050), (649, 32870), (665, 32822), (677, 32783), (692, 32717), (706, 32678), (722, 32657), (728, 32636), (733, 32618), (757, 32552), (828, 32402), (829, 32399), (836, 32363), (846, 32339), (852, 32330), (856, 32318), (874, 32243), (884, 32222),

Gene: Lev2_38 Start: 30259, Stop: 28415, Start Num: 181

Candidate Starts for Lev2_38:

(Start: 181 @30259 has 918 MA's), (214, 30208), (236, 30148), (261, 30085), (273, 30055), (275, 30052), (299, 29995), (302, 29983), (311, 29953), (323, 29926), (360, 29824), (366, 29809), (378, 29773), (422, 29713), (438, 29677), (458, 29629), (497, 29545), (499, 29539), (537, 29467), (549, 29434), (555, 29419), (562, 29407), (614, 29308), (649, 29173), (660, 29143), (665, 29125), (667, 29122), (677, 29086), (680, 29077), (683, 29056), (686, 29047), (692, 29020), (693, 29017), (722, 28960), (728, 28939), (767, 28822), (796, 28768), (801, 28759), (816, 28741), (837, 28663), (858, 28606), (868, 28570), (874, 28546), (880, 28534),

Gene: Levia_42 Start: 34436, Stop: 32610, Start Num: 181

Candidate Starts for Levia_42:

(Start: 181 @34436 has 918 MA's), (277, 34223), (285, 34208), (302, 34160), (311, 34130), (318, 34109), (323, 34103), (328, 34094), (369, 33977), (378, 33950), (438, 33857), (443, 33842), (451, 33821), (483, 33758), (484, 33755), (514, 33689), (530, 33659), (542, 33629), (562, 33584), (583, 33545), (649, 33365), (660, 33335), (665, 33317), (677, 33278), (692, 33212), (728, 33131), (729, 33128), (757, 33047), (828, 32897), (829, 32894), (836, 32858), (846, 32834), (852, 32825), (856, 32813), (874, 32738), (884, 32717),

Gene: Leviathan_46 Start: 31790, Stop: 30003, Start Num: 181

Candidate Starts for Leviathan_46:

(115, 31877), (Start: 181 @31790 has 918 MA's), (275, 31583), (277, 31577), (286, 31562), (291, 31547), (303, 31511), (311, 31484), (323, 31457), (332, 31436), (378, 31304), (438, 31211), (458, 31163), (466, 31154), (472, 31139), (499, 31073), (539, 30992), (560, 30944), (562, 30938), (649, 30719), (667, 30668), (676, 30635), (677, 30632), (692, 30566), (706, 30527), (722, 30506), (745, 30431), (750, 30419), (767, 30368), (801, 30305), (816, 30287), (828, 30251), (832, 30227), (859, 30149), (874, 30092), (880, 30080), (884, 30071),

Gene: Librie_37 Start: 26990, Stop: 25125, Start Num: 209

Candidate Starts for Librie_37:

(Start: 209 @26990 has 41 MA's), (214, 26984), (253, 26885), (255, 26876), (267, 26852), (275, 26837), (277, 26831), (300, 26780), (302, 26777), (338, 26696), (393, 26546), (398, 26543), (427, 26444), (435, 26417), (437, 26414), (440, 26402), (451, 26372), (461, 26351), (480, 26315), (568, 26168), (618, 26066), (642, 25988), (685, 25808), (692, 25778), (711, 25724), (718, 25706), (735, 25649), (743, 25622), (755, 25580), (767, 25541), (802, 25460), (804, 25451), (829, 25391), (833, 25367), (836, 25355), (839, 25346), (846, 25328), (857, 25295), (874, 25223),

Gene: Licorice_48 Start: 36210, Stop: 34423, Start Num: 181

Candidate Starts for Licorice_48:

(Start: 181 @36210 has 918 MA's), (277, 35997), (285, 35982), (311, 35904), (318, 35883), (323, 35877), (328, 35868), (369, 35751), (378, 35724), (438, 35631), (443, 35616), (458, 35583), (483, 35532), (484, 35529), (506, 35475), (514, 35463), (530, 35433), (542, 35403), (562, 35358), (583, 35319), (649, 35139), (665, 35091), (677, 35052), (692, 34986), (725, 34914), (728, 34905), (757, 34821), (796, 34734), (846, 34608), (853, 34596), (874, 34512), (878, 34506),

Gene: Liebe_42 Start: 31253, Stop: 33223, Start Num: 102

Candidate Starts for Liebe_42:

(Start: 102 @31253 has 1 MA's), (105, 31256), (Start: 181 @31379 has 918 MA's), (311, 31676), (440, 31952), (487, 32054), (494, 32075), (560, 32213), (588, 32276), (649, 32471), (650, 32477), (660, 32501), (677, 32558), (690, 32615), (692, 32624), (733, 32741), (750, 32789), (824, 32948), (828, 32960), (855, 33041), (874, 33119), (892, 33164),

Gene: Lifes_61 Start: 36067, Stop: 34232, Start Num: 230

Candidate Starts for Lifes_61:

(225, 36082), (Start: 230 @36067 has 5 MA's), (236, 36052), (263, 35983), (293, 35923), (301, 35896), (302, 35893), (311, 35860), (315, 35848), (319, 35839), (321, 35830), (388, 35665), (389, 35659), (424, 35566), (440, 35527), (455, 35488), (472, 35455), (477, 35443), (479, 35437), (494, 35401), (497, 35395), (507, 35368), (526, 35335), (539, 35308), (601, 35161), (623, 35104), (650, 34999), (664, 34951), (677, 34912), (680, 34903), (735, 34708), (747, 34681), (752, 34669), (764, 34657), (775, 34618), (801, 34570), (813, 34546), (836, 34462), (849, 34432), (855, 34414), (857, 34408), (859, 34393), (865, 34369), (869, 34357), (872, 34345), (874, 34336), (879, 34327), (888, 34306), (895, 34282), (899, 34267),

Gene: LilBib_45 Start: 35268, Stop: 33442, Start Num: 181

Candidate Starts for LilBib_45:

(Start: 181 @35268 has 918 MA's), (277, 35055), (285, 35040), (302, 34992), (311, 34962), (318, 34941), (323, 34935), (328, 34926), (369, 34809), (378, 34782), (438, 34689), (443, 34674), (458, 34641), (483, 34590), (484, 34587), (514, 34521), (530, 34491), (542, 34461), (562, 34416), (583, 34377), (649, 34197), (665, 34149), (680, 34101), (689, 34062), (692, 34044), (706, 34005), (722, 33984), (728, 33963), (732, 33948), (779, 33825), (836, 33690), (846, 33666), (852, 33657), (856, 33645), (874, 33570), (884, 33549),

Gene: LilTerminator_37 Start: 27012, Stop: 25147, Start Num: 209

Candidate Starts for LilTerminator_37:

(Start: 209 @27012 has 41 MA's), (214, 27006), (253, 26907), (255, 26898), (267, 26874), (275, 26859), (277, 26853), (300, 26802), (302, 26799), (338, 26718), (393, 26568), (398, 26565), (427, 26466), (435, 26439), (437, 26436), (440, 26424), (451, 26394), (461, 26373), (480, 26337), (568, 26190), (602, 26121), (639, 26022), (642, 26010), (685, 25830), (692, 25800), (711, 25746), (718, 25728), (735, 25671), (743, 25644), (755, 25602), (802, 25482), (804, 25473), (829, 25413), (833, 25389), (836, 25377), (839, 25368), (846, 25350), (857, 25317), (874, 25245),

Gene: LilTurb_45 Start: 31623, Stop: 29836, Start Num: 181

Candidate Starts for LilTurb_45:

(Start: 181 @31623 has 918 MA's), (275, 31416), (277, 31410), (286, 31395), (291, 31380), (303, 31344), (311, 31317), (323, 31290), (332, 31269), (378, 31137), (438, 31044), (458, 30996), (466, 30987), (472, 30972), (499, 30906), (539, 30825), (560, 30777), (562, 30771), (595, 30708), (649, 30552), (667, 30501), (676, 30468), (677, 30465), (692, 30399), (706, 30360), (722, 30339), (745, 30264), (750, 30252), (767, 30201), (801, 30138), (816, 30120), (828, 30084), (832, 30060), (859, 29982), (874, 29925), (880, 29913), (884, 29904),

Gene: Lilbooboo_34 Start: 26910, Stop: 28784, Start Num: 181

Candidate Starts for Lilbooboo_34:

(Start: 181 @26910 has 918 MA's), (195, 26931), (202, 26943), (224, 26991), (273, 27111), (311, 27213), (312, 27216), (318, 27234), (328, 27249), (366, 27357), (380, 27399), (466, 27546), (471, 27558), (483, 27588), (489, 27600), (496, 27618), (512, 27654), (549, 27732), (554, 27744), (560, 27753), (586, 27810), (587, 27813), (635, 27951), (644, 27981), (649, 28011), (665, 28062), (677, 28104), (683, 28134), (685, 28140), (686, 28143), (689, 28152), (690, 28161), (692, 28170), (705, 28236), (725, 28290), (765, 28404), (799, 28473), (820, 28515), (825, 28527), (836, 28575), (839, 28584), (853, 28611), (855, 28617), (859, 28638), (874, 28695), (878, 28701), (884, 28716),

Gene: Lilbunny_44 Start: 29422, Stop: 27581, Start Num: 181

Candidate Starts for Lilbunny_44:

(Start: 157 @29452 has 1 MA's), (Start: 181 @29422 has 918 MA's), (273, 29218), (302, 29143), (303, 29140), (311, 29113), (316, 29098), (323, 29086), (341, 29035), (374, 28945), (378, 28933), (438, 28840), (453, 28801), (466, 28783), (472, 28768), (499, 28702), (516, 28669), (517, 28666), (564, 28564), (595, 28504), (628, 28420), (649, 28339), (676, 28255), (677, 28252), (680, 28243), (685, 28216), (692, 28186), (722, 28126), (733, 28087), (828, 27871), (829, 27868), (832, 27847), (874,

27712), (880, 27700), (884, 27691), (885, 27688), (923, 27595),

Gene: Lilith_49 Start: 31846, Stop: 30032, Start Num: 181

Candidate Starts for Lilith_49:

(Start: 181 @31846 has 918 MA's), (206, 31807), (214, 31795), (273, 31642), (281, 31627), (302, 31570), (323, 31513), (328, 31504), (341, 31462), (360, 31411), (378, 31360), (438, 31267), (458, 31219), (466, 31210), (472, 31195), (489, 31156), (499, 31129), (514, 31099), (555, 31006), (562, 30994), (584, 30946), (595, 30931), (649, 30775), (677, 30688), (692, 30622), (706, 30583), (729, 30511), (739, 30472), (750, 30448), (757, 30430), (767, 30397), (782, 30370), (816, 30316), (832, 30256), (859, 30178), (874, 30121), (880, 30109), (884, 30100),

Gene: Lilleskat_43 Start: 31443, Stop: 29650, Start Num: 181

Candidate Starts for Lilleskat_43:

(Start: 181 @31443 has 918 MA's), (187, 31434), (214, 31392), (259, 31272), (261, 31269), (282, 31221), (303, 31161), (312, 31131), (316, 31119), (323, 31107), (378, 30954), (438, 30861), (499, 30723), (514, 30693), (586, 30534), (595, 30522), (616, 30495), (646, 30387), (649, 30366), (689, 30231), (692, 30213), (728, 30132), (739, 30090), (767, 30015), (779, 29994), (813, 29940), (828, 29898), (859, 29796), (874, 29739), (880, 29727), (884, 29718),

Gene: Lillie_36 Start: 28113, Stop: 26329, Start Num: 181

Candidate Starts for Lillie_36:

(Start: 181 @28113 has 918 MA's), (288, 27879), (299, 27849), (301, 27840), (302, 27837), (316, 27792), (323, 27780), (341, 27729), (378, 27627), (391, 27606), (438, 27534), (455, 27489), (458, 27486), (480, 27444), (482, 27438), (489, 27423), (499, 27396), (549, 27291), (553, 27282), (562, 27264), (564, 27261), (583, 27225), (649, 27045), (665, 26997), (692, 26892), (693, 26889), (722, 26832), (728, 26811), (741, 26763), (769, 26688), (813, 26619), (828, 26577), (832, 26553), (859, 26475), (874, 26418), (880, 26406), (884, 26397), (894, 26367), (900, 26349),

Gene: Lilo27_43 Start: 29479, Stop: 31353, Start Num: 171

Candidate Starts for Lilo27_43:

(Start: 168 @29476 has 7 MA's), (Start: 171 @29479 has 61 MA's), (Start: 219 @29548 has 1 MA's), (227, 29569), (302, 29749), (328, 29815), (341, 29857), (489, 30151), (549, 30286), (594, 30385), (635, 30508), (649, 30568), (650, 30574), (667, 30619), (675, 30649), (683, 30685), (692, 30721), (726, 30814), (758, 30907), (793, 30985), (828, 31057), (836, 31096), (855, 31138), (858, 31156), (874, 31216), (884, 31237),

Gene: LimaBean_42 Start: 29163, Stop: 31037, Start Num: 171

Candidate Starts for LimaBean_42:

(Start: 168 @29160 has 7 MA's), (Start: 171 @29163 has 61 MA's), (Start: 219 @29232 has 1 MA's), (227, 29253), (328, 29499), (341, 29541), (489, 29835), (594, 30069), (635, 30192), (649, 30252), (650, 30258), (667, 30303), (674, 30318), (675, 30333), (683, 30369), (692, 30405), (726, 30498), (758, 30591), (793, 30669), (828, 30741), (829, 30744), (836, 30780), (855, 30822), (858, 30840), (868, 30876), (874, 30900), (884, 30921),

Gene: LionsBait_46 Start: 32821, Stop: 31028, Start Num: 181

Candidate Starts for LionsBait_46:

(Start: 181 @32821 has 918 MA's), (275, 32614), (277, 32608), (286, 32593), (291, 32578), (303, 32542), (311, 32515), (323, 32488), (332, 32467), (378, 32335), (438, 32242), (458, 32194), (466, 32185), (472, 32170), (539, 32023), (560, 31975), (562, 31969), (583, 31930), (649, 31750), (660, 31720), (667, 31693), (676, 31660), (677, 31657), (692, 31591), (706, 31552), (722, 31531), (725, 31519), (728, 31510), (731, 31498), (767, 31393), (813, 31318), (816, 31312), (828, 31276), (832, 31252), (859, 31174), (874, 31117), (880, 31105), (884, 31096),

Gene: LittleB_45 Start: 31571, Stop: 29745, Start Num: 181

Candidate Starts for LittleB_45:

(Start: 181 @31571 has 918 MA's), (195, 31550), (214, 31520), (224, 31490), (291, 31328), (298, 31310), (323, 31238), (328, 31229), (370, 31109), (378, 31085), (438, 30992), (460, 30944), (472, 30923), (489, 30884), (549, 30752), (560, 30731), (583, 30686), (586, 30674), (646, 30521), (649, 30500), (685, 30377), (692, 30347), (706, 30308), (728, 30242), (729, 30239), (733, 30224), (739, 30200), (750, 30176), (832, 29969), (874, 29834), (880, 29822), (884, 29813),

Gene: LittleCherry_39 Start: 30596, Stop: 28731, Start Num: 181

Candidate Starts for LittleCherry_39:

(Start: 181 @30596 has 918 MA's), (214, 30545), (236, 30485), (261, 30422), (273, 30392), (275, 30389), (299, 30332), (302, 30320), (311, 30290), (323, 30263), (378, 30110), (438, 30014), (458, 29966), (497, 29882), (499, 29876), (537, 29804), (549, 29771), (555, 29756), (562, 29744), (614, 29645), (649, 29510), (660, 29480), (665, 29462), (674, 29444), (677, 29423), (680, 29414), (692, 29357), (706, 29318), (728, 29276), (733, 29258), (750, 29210), (767, 29159), (796, 29105), (801, 29096), (816, 29078), (832, 29018), (837, 29000), (868, 28907), (874, 28883), (880, 28871), (923, 28766),

Gene: LittleGuy_45 Start: 31466, Stop: 29640, Start Num: 181

Candidate Starts for LittleGuy_45:

(Start: 181 @31466 has 918 MA's), (195, 31445), (214, 31415), (224, 31385), (291, 31223), (298, 31205), (323, 31133), (328, 31124), (370, 31004), (378, 30980), (438, 30887), (460, 30839), (472, 30818), (489, 30779), (549, 30647), (560, 30626), (583, 30581), (586, 30569), (646, 30416), (649, 30395), (685, 30272), (692, 30242), (706, 30203), (728, 30137), (729, 30134), (733, 30119), (739, 30095), (750, 30071), (832, 29864), (874, 29729), (880, 29717), (884, 29708),

Gene: Lizalica_39 Start: 28785, Stop: 30650, Start Num: 181

Candidate Starts for Lizalica_39:

(Start: 181 @28785 has 918 MA's), (213, 28833), (311, 29082), (345, 29172), (440, 29379), (443, 29388), (484, 29478), (489, 29487), (494, 29502), (516, 29547), (539, 29592), (560, 29640), (586, 29697), (619, 29778), (643, 29865), (649, 29898), (660, 29928), (677, 29985), (690, 30042), (692, 30051), (799, 30324), (828, 30387), (874, 30546), (879, 30555), (909, 30633),

Gene: LochMonster_46 Start: 31806, Stop: 29980, Start Num: 181

Candidate Starts for LochMonster_46:

(Start: 181 @31806 has 918 MA's), (195, 31785), (214, 31755), (224, 31725), (291, 31563), (298, 31545), (323, 31473), (328, 31464), (370, 31344), (378, 31320), (438, 31227), (460, 31179), (472, 31158), (489, 31119), (506, 31074), (510, 31068), (549, 30987), (560, 30966), (583, 30921), (586, 30909), (646, 30756), (649, 30735), (685, 30612), (692, 30582), (706, 30543), (728, 30477), (729, 30474), (733, 30459), (739, 30435), (750, 30411), (832, 30204), (874, 30069), (880, 30057), (884, 30048),

Gene: Lockley_44 Start: 34369, Stop: 32543, Start Num: 181

Candidate Starts for Lockley_44:

(Start: 181 @34369 has 918 MA's), (277, 34156), (302, 34093), (311, 34063), (323, 34036), (328, 34027), (369, 33910), (378, 33883), (438, 33790), (443, 33775), (483, 33691), (484, 33688), (514, 33622), (530, 33592), (542, 33562), (562, 33517), (583, 33478), (649, 33298), (665, 33250), (677, 33211), (692, 33145), (706, 33106), (722, 33085), (728, 33064), (733, 33046), (757, 32980), (828, 32830), (829, 32827), (836, 32791), (852, 32758), (856, 32746), (874, 32671), (884, 32650),

Gene: Lokk_45 Start: 31915, Stop: 30128, Start Num: 181

Candidate Starts for Lokk_45:

(Start: 181 @31915 has 918 MA's), (275, 31708), (277, 31702), (291, 31672), (302, 31639), (303, 31636), (316, 31594), (323, 31582), (378, 31429), (438, 31336), (458, 31288), (466, 31279), (472, 31264), (499, 31198), (560, 31069), (622, 30949), (628, 30925), (649, 30844), (667, 30793), (676, 30760), (677, 30757), (692, 30691), (706, 30652), (722, 30631), (745, 30556), (750, 30544), (782, 30466), (801, 30430), (816, 30412), (828, 30376), (832, 30352), (859, 30274), (874, 30217), (880, 30205), (884, 30196),

Gene: London_39 Start: 30351, Stop: 32216, Start Num: 181

Candidate Starts for London_39:

(Start: 181 @30351 has 918 MA's), (213, 30399), (290, 30582), (293, 30588), (311, 30648), (318, 30669), (345, 30738), (443, 30954), (484, 31044), (489, 31053), (494, 31068), (516, 31113), (560, 31206), (619, 31344), (649, 31464), (660, 31494), (677, 31551), (690, 31608), (692, 31617), (703, 31641), (726, 31710), (750, 31782), (754, 31791), (799, 31890), (828, 31953), (874, 32112), (879, 32121),

Gene: LoneWolf_45 Start: 31301, Stop: 29508, Start Num: 181

Candidate Starts for LoneWolf_45:

(Start: 181 @31301 has 918 MA's), (187, 31292), (273, 31097), (291, 31055), (303, 31019), (311, 30992), (323, 30965), (341, 30914), (370, 30836), (378, 30812), (438, 30719), (455, 30674), (514, 30551), (616, 30353), (618, 30347), (649, 30224), (680, 30128), (685, 30101), (692, 30071), (706, 30032), (725, 29999), (728, 29990), (767, 29873), (779, 29852), (832, 29732), (859, 29654), (874, 29597), (880, 29585), (884, 29576),

Gene: Looper_47 Start: 29720, Stop: 27930, Start Num: 181

Candidate Starts for Looper_47:

(Start: 181 @29720 has 918 MA's), (261, 29546), (302, 29441), (303, 29438), (311, 29411), (323, 29384), (341, 29333), (378, 29231), (438, 29138), (455, 29093), (458, 29090), (466, 29081), (539, 28919), (549, 28892), (560, 28871), (562, 28865), (619, 28766), (628, 28727), (644, 28676), (649, 28646), (667, 28595), (676, 28562), (683, 28529), (685, 28523), (692, 28493), (722, 28433), (728, 28412), (739, 28370), (751, 28343), (757, 28328), (796, 28241), (828, 28178), (829, 28175), (874, 28019), (880, 28007), (885, 27995),

Gene: Lopton_45 Start: 35870, Stop: 34044, Start Num: 181

Candidate Starts for Lopton_45:

(Start: 181 @35870 has 918 MA's), (277, 35657), (302, 35594), (311, 35564), (318, 35543), (323, 35537), (328, 35528), (369, 35411), (378, 35384), (438, 35291), (443, 35276), (458, 35243), (483, 35192), (484, 35189), (514, 35123), (530, 35093), (542, 35063), (562, 35018), (583, 34979), (649, 34799), (665, 34751), (677, 34712), (692, 34646), (706, 34607), (722, 34586), (728, 34565), (733, 34547), (757, 34481), (828, 34331), (829, 34328), (836, 34292), (846, 34268), (856, 34247), (862, 34220), (874, 34172), (884, 34151),

Gene: Lorenzo_45 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Lorenzo_45:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Loser_46 Start: 32256, Stop: 30469, Start Num: 181

Candidate Starts for Loser_46:

(Start: 181 @32256 has 918 MA's), (273, 32052), (275, 32049), (286, 32028), (291, 32013), (302, 31980), (311, 31950), (323, 31923), (332, 31902), (341, 31872), (378, 31770), (438, 31677), (458,

31629), (466, 31620), (472, 31605), (499, 31539), (539, 31458), (560, 31410), (596, 31338), (628, 31266), (649, 31185), (667, 31134), (676, 31101), (677, 31098), (692, 31032), (706, 30993), (722, 30972), (738, 30915), (745, 30897), (782, 30807), (801, 30771), (816, 30753), (828, 30717), (832, 30693), (855, 30636), (859, 30615), (874, 30558), (880, 30546), (884, 30537),

Gene: Louie6_47 Start: 31885, Stop: 30071, Start Num: 181

Candidate Starts for Louie6_47:

(Start: 181 @31885 has 918 MA's), (206, 31846), (214, 31834), (273, 31681), (281, 31666), (302, 31609), (323, 31552), (328, 31543), (341, 31501), (360, 31450), (378, 31399), (420, 31345), (438, 31306), (458, 31258), (472, 31234), (489, 31195), (499, 31168), (514, 31138), (555, 31045), (562, 31033), (584, 30985), (595, 30970), (649, 30814), (667, 30763), (676, 30730), (677, 30727), (692, 30661), (706, 30622), (729, 30550), (739, 30511), (750, 30487), (757, 30469), (767, 30436), (816, 30355), (832, 30295), (862, 30208), (874, 30160), (880, 30148), (884, 30139), (885, 30136),

Gene: Lovelyunicorn_39 Start: 28935, Stop: 27070, Start Num: 211

Candidate Starts for Lovelyunicorn_39:

(Start: 140 @29022 has 3 MA's), (Start: 142 @29019 has 1 MA's), (197, 28950), (Start: 211 @28935 has 115 MA's), (Start: 215 @28926 has 5 MA's), (255, 28821), (259, 28812), (275, 28782), (276, 28779), (332, 28659), (335, 28647), (338, 28641), (374, 28536), (384, 28509), (434, 28368), (437, 28359), (440, 28347), (450, 28320), (451, 28317), (458, 28302), (461, 28296), (466, 28290), (481, 28257), (584, 28068), (685, 27753), (688, 27744), (689, 27741), (692, 27723), (707, 27681), (709, 27675), (718, 27651), (735, 27594), (787, 27435), (802, 27405), (804, 27396), (829, 27336), (833, 27312), (846, 27273), (857, 27240), (858, 27228), (874, 27168),

Gene: Loviatar_43 Start: 31529, Stop: 33403, Start Num: 171

Candidate Starts for Loviatar_43:

(Start: 171 @31529 has 61 MA's), (Start: 219 @31598 has 1 MA's), (227, 31619), (302, 31799), (328, 31865), (333, 31880), (341, 31907), (489, 32201), (594, 32435), (634, 32555), (635, 32558), (649, 32618), (650, 32624), (667, 32669), (674, 32684), (675, 32699), (683, 32735), (692, 32771), (726, 32864), (745, 32924), (758, 32957), (793, 33035), (795, 33038), (828, 33107), (832, 33131), (836, 33146), (855, 33188), (858, 33206), (874, 33266), (884, 33287),

Gene: Lowa_48 Start: 31845, Stop: 30031, Start Num: 181

Candidate Starts for Lowa_48:

(Start: 181 @31845 has 918 MA's), (206, 31806), (214, 31794), (273, 31641), (281, 31626), (302, 31569), (323, 31512), (328, 31503), (341, 31461), (360, 31410), (378, 31359), (438, 31266), (458, 31218), (466, 31209), (472, 31194), (489, 31155), (499, 31128), (514, 31098), (555, 31005), (562, 30993), (584, 30945), (595, 30930), (649, 30774), (677, 30687), (692, 30621), (706, 30582), (729, 30510), (739, 30471), (750, 30447), (757, 30429), (767, 30396), (782, 30369), (816, 30315), (832, 30255), (859, 30177), (874, 30120), (880, 30108), (884, 30099),

Gene: Luchador_50 Start: 33745, Stop: 31952, Start Num: 181

Candidate Starts for Luchador_50:

(Start: 181 @33745 has 918 MA's), (187, 33736), (Start: 209 @33703 has 41 MA's), (236, 33634), (273, 33541), (302, 33466), (303, 33463), (311, 33436), (323, 33409), (341, 33358), (370, 33280), (378, 33256), (438, 33163), (447, 33139), (455, 33118), (499, 33025), (514, 32995), (583, 32848), (616, 32797), (628, 32749), (649, 32668), (660, 32638), (674, 32602), (685, 32545), (692, 32515), (728, 32434), (757, 32350), (767, 32317), (782, 32290), (828, 32200), (855, 32119), (859, 32098), (862, 32089), (874, 32041), (880, 32029), (884, 32020), (885, 32017),

Gene: Lucivia_45 Start: 30825, Stop: 29038, Start Num: 181

Candidate Starts for Lucivia_45:

(Start: 181 @30825 has 918 MA's), (273, 30621), (302, 30549), (311, 30519), (323, 30492), (440, 30240), (466, 30189), (499, 30108), (523, 30063), (560, 29979), (586, 29922), (617, 29880), (628, 29835), (649, 29754), (667, 29703), (677, 29667), (692, 29601), (722, 29541), (725, 29529), (760, 29427), (767, 29403), (777, 29385), (816, 29322), (825, 29295), (828, 29286), (832, 29262), (874, 29127), (880, 29115), (884, 29106),

Gene: Lucky3_37 Start: 28582, Stop: 26732, Start Num: 207

Candidate Starts for Lucky3_37:

(114, 28723), (170, 28633), (Start: 207 @28582 has 19 MA's), (247, 28483), (259, 28459), (276, 28426), (329, 28315), (335, 28294), (338, 28288), (351, 28243), (354, 28237), (415, 28081), (437, 28018), (440, 28006), (451, 27976), (480, 27919), (630, 27625), (685, 27415), (688, 27406), (689, 27403), (692, 27385), (707, 27343), (735, 27256), (829, 26998), (833, 26974), (834, 26971), (844, 26941), (874, 26830),

Gene: LuckySocle_138 Start: 73912, Stop: 75948, Start Num: 198

Candidate Starts for LuckySocle_138:

(Start: 198 @73912 has 6 MA's), (228, 73978), (234, 74002), (249, 74053), (251, 74056), (255, 74068), (268, 74101), (299, 74170), (338, 74305), (349, 74341), (397, 74461), (430, 74515), (431, 74518), (450, 74569), (455, 74581), (489, 74650), (497, 74671), (523, 74719), (526, 74728), (651, 75106), (679, 75223), (682, 75241), (711, 75337), (724, 75373), (742, 75442), (748, 75451), (750, 75457), (802, 75595), (808, 75610), (814, 75625), (836, 75709), (837, 75712), (857, 75784), (874, 75856), (892, 75901), (895, 75910), (897, 75916),

Gene: Lucyedi_45 Start: 30972, Stop: 29140, Start Num: 181

Candidate Starts for Lucyedi_45:

(Start: 181 @30972 has 918 MA's), (273, 30768), (275, 30765), (302, 30696), (303, 30693), (311, 30666), (318, 30645), (323, 30639), (328, 30630), (341, 30588), (370, 30510), (378, 30486), (438, 30393), (514, 30225), (616, 30027), (649, 29898), (680, 29802), (689, 29763), (692, 29745), (725, 29673), (728, 29664), (779, 29526), (825, 29439), (828, 29430), (859, 29328), (874, 29271), (880, 29259), (923, 29154),

Gene: Ludgate_39 Start: 28930, Stop: 27065, Start Num: 211

Candidate Starts for Ludgate_39:

(Start: 140 @29017 has 3 MA's), (Start: 211 @28930 has 115 MA's), (Start: 215 @28921 has 5 MA's), (255, 28816), (259, 28807), (275, 28777), (276, 28774), (332, 28654), (335, 28642), (338, 28636), (374, 28531), (384, 28504), (434, 28363), (435, 28357), (437, 28354), (440, 28342), (450, 28315), (451, 28312), (458, 28297), (461, 28291), (466, 28285), (481, 28252), (561, 28123), (584, 28063), (685, 27748), (688, 27739), (689, 27736), (692, 27718), (707, 27676), (709, 27670), (718, 27646), (735, 27589), (787, 27430), (802, 27400), (804, 27391), (829, 27331), (833, 27307), (846, 27268), (857, 27235), (858, 27223), (874, 27163),

Gene: LugYA_51 Start: 31853, Stop: 30039, Start Num: 181

Candidate Starts for LugYA_51:

(Start: 181 @31853 has 918 MA's), (206, 31814), (214, 31802), (273, 31649), (281, 31634), (302, 31577), (323, 31520), (328, 31511), (341, 31469), (360, 31418), (378, 31367), (438, 31274), (458, 31226), (466, 31217), (472, 31202), (489, 31163), (499, 31136), (514, 31106), (555, 31013), (584, 30953), (595, 30938), (649, 30782), (677, 30695), (692, 30629), (706, 30590), (729, 30518), (739, 30479), (750, 30455), (757, 30437), (767, 30404), (782, 30377), (816, 30323), (832, 30263), (859, 30185), (874, 30128), (880, 30116), (884, 30107),

Gene: Luna18_40 Start: 28364, Stop: 26472, Start Num: 209

Candidate Starts for Luna18_40:

(137, 28454), (Start: 209 @28364 has 41 MA's), (Start: 215 @28355 has 5 MA's), (237, 28298), (247, 28268), (267, 28229), (275, 28214), (277, 28208), (288, 28190), (300, 28157), (335, 28079), (338, 28073), (354, 28022), (367, 27983), (410, 27872), (437, 27788), (440, 27776), (451, 27746), (458, 27731), (461, 27725), (466, 27719), (468, 27713), (472, 27707), (633, 27392), (675, 27197), (692, 27125), (707, 27083), (718, 27053), (725, 27032), (735, 26996), (756, 26924), (802, 26807), (804, 26798), (829, 26738), (833, 26714), (836, 26702), (851, 26666), (874, 26570),

Gene: LunarLander_46 Start: 34906, Stop: 33080, Start Num: 181

Candidate Starts for LunarLander_46:

(Start: 181 @34906 has 918 MA's), (277, 34693), (285, 34678), (302, 34630), (311, 34600), (318, 34579), (323, 34573), (328, 34564), (369, 34447), (378, 34420), (438, 34327), (443, 34312), (458, 34279), (483, 34228), (484, 34225), (514, 34159), (530, 34129), (542, 34099), (562, 34054), (583, 34015), (649, 33835), (660, 33805), (665, 33787), (667, 33784), (677, 33748), (692, 33682), (728, 33601), (729, 33598), (757, 33517), (828, 33367), (829, 33364), (836, 33328), (846, 33304), (852, 33295), (856, 33283), (859, 33265), (862, 33256), (874, 33208), (884, 33187),

Gene: Lunsford_46 Start: 31564, Stop: 29738, Start Num: 181

Candidate Starts for Lunsford_46:

(Start: 181 @31564 has 918 MA's), (195, 31543), (214, 31513), (224, 31483), (291, 31321), (298, 31303), (323, 31231), (328, 31222), (370, 31102), (378, 31078), (438, 30985), (460, 30937), (472, 30916), (489, 30877), (549, 30745), (560, 30724), (583, 30679), (586, 30667), (646, 30514), (649, 30493), (685, 30370), (692, 30340), (706, 30301), (728, 30235), (729, 30232), (733, 30217), (739, 30193), (750, 30169), (832, 29962), (874, 29827), (880, 29815), (884, 29806),

Gene: Lynlen_43 Start: 29644, Stop: 31518, Start Num: 171

Candidate Starts for Lynlen_43:

(Start: 168 @29641 has 7 MA's), (Start: 171 @29644 has 61 MA's), (Start: 219 @29713 has 1 MA's), (227, 29734), (328, 29980), (341, 30022), (450, 30235), (489, 30316), (549, 30451), (594, 30550), (635, 30673), (649, 30733), (650, 30739), (667, 30784), (674, 30799), (675, 30814), (683, 30850), (692, 30886), (726, 30979), (758, 31072), (793, 31150), (828, 31222), (836, 31261), (855, 31303), (858, 31321), (874, 31381), (884, 31402),

Gene: MA5_45 Start: 30880, Stop: 29042, Start Num: 181

Candidate Starts for MA5_45:

(133, 30952), (Start: 181 @30880 has 918 MA's), (214, 30829), (273, 30676), (291, 30637), (302, 30604), (323, 30547), (328, 30538), (332, 30526), (370, 30418), (378, 30394), (438, 30298), (460, 30250), (489, 30190), (549, 30058), (560, 30037), (618, 29923), (628, 29881), (649, 29800), (677, 29713), (685, 29677), (692, 29647), (729, 29536), (739, 29497), (750, 29473), (757, 29455), (758, 29452), (816, 29326), (832, 29266), (874, 29131), (880, 29119), (884, 29110),

Gene: MAnor_46 Start: 34598, Stop: 32220, Start Num: 27

Candidate Starts for MAnor_46:

(Start: 27 @34598 has 14 MA's), (36, 34538), (52, 34457), (73, 34337), (97, 34292), (136, 34214), (Start: 140 @34208 has 3 MA's), (Start: 142 @34205 has 1 MA's), (144, 34202), (165, 34175), (191, 34136), (196, 34127), (Start: 215 @34097 has 5 MA's), (238, 34040), (255, 34001), (265, 33980), (287, 33938), (290, 33929), (296, 33914), (299, 33905), (302, 33893), (312, 33860), (313, 33857), (329, 33839), (335, 33818), (404, 33635), (427, 33560), (440, 33518), (496, 33431), (566, 33353), (570, 33347), (596, 33302), (598, 33299), (606, 33284), (617, 33263), (642, 33179), (648, 33149), (656, 33089), (659, 33080), (662, 33065), (667, 33050), (672, 33038), (692, 32945), (705, 32909), (707, 32903), (709, 32897), (711, 32891), (729, 32834), (735, 32810), (766, 32705), (767, 32702), (787, 32651), (806, 32609), (817, 32591), (829, 32552), (838, 32510), (848, 32486), (868, 32408), (874, 32384), (880, 32360), (889, 32339), (906, 32285), (922, 32252), (928, 32240),

Gene: MCubed_38 Start: 28748, Stop: 26883, Start Num: 209

Candidate Starts for MCubed_38:

(Start: 209 @28748 has 41 MA's), (247, 28649), (277, 28589), (300, 28538), (335, 28460), (338, 28454), (351, 28409), (353, 28406), (354, 28403), (367, 28364), (393, 28304), (434, 28181), (437, 28172), (440, 28160), (444, 28148), (451, 28130), (461, 28109), (468, 28097), (568, 27926), (639, 27758), (680, 27593), (688, 27557), (692, 27536), (707, 27494), (735, 27407), (745, 27362), (781, 27263), (802, 27218), (829, 27149), (833, 27125), (844, 27092), (874, 26981),

Gene: MK4_45 Start: 30963, Stop: 29125, Start Num: 181

Candidate Starts for MK4_45:

(133, 31035), (Start: 181 @30963 has 918 MA's), (214, 30912), (273, 30759), (291, 30720), (302, 30687), (323, 30630), (328, 30621), (332, 30609), (370, 30501), (378, 30477), (438, 30381), (460, 30333), (489, 30273), (549, 30141), (560, 30120), (595, 30051), (618, 30006), (628, 29964), (649, 29883), (677, 29796), (685, 29760), (692, 29730), (729, 29619), (739, 29580), (750, 29556), (757, 29538), (813, 29415), (816, 29409), (832, 29349), (873, 29217), (874, 29214), (880, 29202), (884, 29193),

Gene: MPlant7149_43 Start: 33801, Stop: 32014, Start Num: 181

Candidate Starts for MPlant7149_43:

(Start: 181 @33801 has 918 MA's), (277, 33588), (285, 33573), (302, 33525), (311, 33495), (318, 33474), (323, 33468), (328, 33459), (369, 33342), (378, 33315), (438, 33222), (443, 33207), (483, 33123), (484, 33120), (514, 33054), (530, 33024), (542, 32994), (562, 32949), (583, 32910), (649, 32730), (665, 32682), (677, 32643), (692, 32577), (725, 32505), (728, 32496), (757, 32412), (796, 32325), (846, 32199), (853, 32187), (868, 32127), (874, 32103), (878, 32097),

Gene: MScarn_47 Start: 32630, Stop: 30240, Start Num: 20

Candidate Starts for MScarn_47:

(Start: 20 @32630 has 19 MA's), (41, 32549), (43, 32534), (52, 32480), (53, 32468), (55, 32447), (64, 32414), (69, 32387), (73, 32363), (90, 32336), (Start: 142 @32231 has 1 MA's), (176, 32183), (238, 32066), (274, 31985), (288, 31958), (296, 31937), (312, 31883), (313, 31880), (329, 31862), (335, 31841), (355, 31781), (427, 31583), (440, 31541), (496, 31454), (519, 31430), (542, 31424), (566, 31370), (570, 31364), (590, 31322), (596, 31319), (598, 31316), (648, 31169), (659, 31100), (661, 31094), (672, 31058), (692, 30965), (705, 30929), (707, 30923), (709, 30917), (711, 30911), (729, 30854), (735, 30830), (745, 30785), (874, 30404), (889, 30359), (891, 30350), (911, 30290),

Gene: MaCh_45 Start: 30763, Stop: 28976, Start Num: 181

Candidate Starts for MaCh_45:

(Start: 181 @30763 has 918 MA's), (273, 30559), (302, 30487), (311, 30457), (323, 30430), (440, 30178), (466, 30127), (499, 30046), (523, 30001), (524, 29998), (560, 29917), (586, 29860), (617, 29818), (628, 29773), (649, 29692), (667, 29641), (677, 29605), (692, 29539), (722, 29479), (725, 29467), (760, 29365), (767, 29341), (777, 29323), (816, 29260), (825, 29233), (828, 29224), (832, 29200), (874, 29065), (880, 29053), (884, 29044),

Gene: MaGuCo_40 Start: 30008, Stop: 31852, Start Num: 181

Candidate Starts for MaGuCo_40:

(Start: 181 @30008 has 918 MA's), (311, 30305), (318, 30326), (440, 30581), (487, 30683), (494, 30704), (539, 30794), (560, 30842), (588, 30905), (649, 31100), (650, 31106), (677, 31187), (692, 31253), (733, 31370), (765, 31457), (824, 31577), (828, 31589), (874, 31748), (892, 31793),

Gene: MaVan_40 Start: 32050, Stop: 29693, Start Num: 26

Candidate Starts for MaVan_40:

(24, 32059), (Start: 26 @32050 has 25 MA's), (31, 32035), (34, 31999), (58, 31864), (73, 31801), (94, 31759), (99, 31747), (161, 31645), (165, 31642), (214, 31567), (229, 31528), (238, 31507), (263,

31456), (284, 31414), (296, 31384), (312, 31330), (329, 31309), (335, 31288), (357, 31225), (407, 31090), (412, 31075), (427, 31030), (456, 30946), (492, 30910), (570, 30817), (590, 30775), (596, 30772), (598, 30769), (614, 30745), (618, 30733), (621, 30721), (653, 30580), (659, 30553), (692, 30418), (705, 30382), (707, 30376), (709, 30370), (711, 30364), (718, 30340), (729, 30307), (735, 30283), (745, 30238), (748, 30232), (768, 30172), (817, 30064), (834, 29998), (835, 29995), (838, 29983), (848, 29959), (868, 29881), (874, 29857), (896, 29788),

Gene: Mabel_45 Start: 30748, Stop: 28961, Start Num: 181

Candidate Starts for Mabel_45:

(Start: 181 @30748 has 918 MA's), (273, 30544), (302, 30472), (311, 30442), (323, 30415), (440, 30163), (466, 30112), (499, 30031), (523, 29986), (560, 29902), (586, 29845), (617, 29803), (628, 29758), (649, 29677), (667, 29626), (677, 29590), (692, 29524), (722, 29464), (725, 29452), (760, 29350), (767, 29326), (777, 29308), (816, 29245), (825, 29218), (828, 29209), (832, 29185), (874, 29050), (880, 29038), (884, 29029),

Gene: Mabodamaca_48 Start: 32455, Stop: 34320, Start Num: 181

Candidate Starts for Mabodamaca_48:

(135, 32392), (141, 32401), (Start: 181 @32455 has 918 MA's), (345, 32842), (455, 33088), (489, 33157), (560, 33310), (628, 33487), (649, 33568), (672, 33631), (683, 33685), (693, 33724), (748, 33880), (758, 33907), (796, 33991), (857, 34144), (874, 34216), (888, 34246),

Gene: Maco6_42 Start: 33485, Stop: 31179, Start Num: 45

Candidate Starts for Maco6_42:

(Start: 25 @33590 has 1 MA's), (29, 33581), (Start: 35 @33536 has 1 MA's), (Start: 37 @33524 has 1 MA's), (Start: 45 @33485 has 1 MA's), (53, 33428), (73, 33326), (82, 33296), (97, 33266), (199, 33098), (255, 32978), (300, 32876), (335, 32795), (355, 32735), (358, 32729), (380, 32669), (427, 32537), (442, 32489), (492, 32417), (496, 32408), (511, 32396), (570, 32327), (667, 32021), (668, 32018), (678, 31979), (683, 31952), (685, 31946), (705, 31880), (707, 31874), (709, 31868), (711, 31862), (718, 31838), (729, 31805), (733, 31790), (735, 31781), (787, 31622), (802, 31592), (867, 31382), (874, 31355), (896, 31286),

Gene: MadMarie_48 Start: 31855, Stop: 30041, Start Num: 181

Candidate Starts for MadMarie_48:

(Start: 181 @31855 has 918 MA's), (206, 31816), (214, 31804), (273, 31651), (281, 31636), (302, 31579), (323, 31522), (328, 31513), (341, 31471), (360, 31420), (378, 31369), (438, 31276), (458, 31228), (466, 31219), (472, 31204), (489, 31165), (499, 31138), (514, 31108), (555, 31015), (562, 31003), (584, 30955), (595, 30940), (649, 30784), (677, 30697), (689, 30649), (692, 30631), (706, 30592), (729, 30520), (739, 30481), (750, 30457), (757, 30439), (767, 30406), (782, 30379), (816, 30325), (832, 30265), (859, 30187), (874, 30130), (880, 30118), (884, 30109),

Gene: MaeLinda_39 Start: 28934, Stop: 27069, Start Num: 211

Candidate Starts for MaeLinda_39:

(Start: 140 @29021 has 3 MA's), (Start: 142 @29018 has 1 MA's), (Start: 211 @28934 has 115 MA's), (Start: 215 @28925 has 5 MA's), (255, 28820), (259, 28811), (275, 28781), (276, 28778), (332, 28658), (335, 28646), (338, 28640), (374, 28535), (384, 28508), (434, 28367), (435, 28361), (437, 28358), (440, 28346), (450, 28319), (451, 28316), (458, 28301), (461, 28295), (466, 28289), (481, 28256), (561, 28127), (584, 28067), (685, 27752), (688, 27743), (689, 27740), (692, 27722), (707, 27680), (709, 27674), (712, 27665), (718, 27650), (735, 27593), (787, 27434), (802, 27404), (804, 27395), (829, 27335), (833, 27311), (846, 27272), (857, 27239), (858, 27227), (874, 27167),

Gene: Magnar_44 Start: 35145, Stop: 33328, Start Num: 181

Candidate Starts for Magnar_44:

(Start: 181 @35145 has 918 MA's), (277, 34932), (285, 34917), (311, 34839), (318, 34818), (323, 34812), (328, 34803), (369, 34686), (378, 34659), (438, 34566), (443, 34551), (458, 34518), (483, 34467), (484, 34464), (514, 34398), (530, 34368), (542, 34338), (562, 34293), (583, 34254), (649, 34074), (660, 34044), (665, 34026), (677, 33987), (692, 33921), (728, 33840), (729, 33837), (757, 33756), (828, 33606), (829, 33603), (836, 33567), (846, 33543), (852, 33534), (856, 33522), (874, 33447), (884, 33426),

Gene: Magnito_42 Start: 33719, Stop: 31893, Start Num: 181

Candidate Starts for Magnito_42:

(Start: 181 @33719 has 918 MA's), (277, 33506), (285, 33491), (311, 33413), (315, 33401), (318, 33392), (323, 33386), (328, 33377), (369, 33260), (378, 33233), (438, 33140), (443, 33125), (458, 33092), (483, 33041), (484, 33038), (506, 32984), (514, 32972), (530, 32942), (542, 32912), (562, 32867), (583, 32828), (649, 32648), (665, 32600), (667, 32597), (677, 32561), (692, 32495), (706, 32456), (722, 32435), (728, 32414), (733, 32396), (757, 32330), (828, 32180), (829, 32177), (836, 32141), (846, 32117), (852, 32108), (856, 32096), (867, 32048), (874, 32021), (884, 32000),

Gene: Maih_47 Start: 39368, Stop: 37368, Start Num: 232

Candidate Starts for Maih_47:

(Start: 232 @39368 has 11 MA's), (261, 39299), (310, 39167), (312, 39161), (314, 39155), (332, 39107), (335, 39095), (338, 39089), (344, 39068), (349, 39053), (375, 38984), (413, 38843), (447, 38747), (484, 38660), (494, 38636), (499, 38624), (502, 38612), (539, 38543), (592, 38396), (632, 38291), (638, 38276), (650, 38219), (658, 38198), (672, 38156), (678, 38126), (685, 38093), (696, 38039), (703, 38009), (719, 37940), (722, 37919), (739, 37856), (748, 37838), (753, 37826), (761, 37802), (832, 37601), (833, 37598), (839, 37577), (856, 37544), (859, 37526), (868, 37493), (874, 37469), (893, 37421),

Gene: Mainiac_48 Start: 31846, Stop: 30032, Start Num: 181

Candidate Starts for Mainiac_48:

(Start: 181 @31846 has 918 MA's), (206, 31807), (214, 31795), (273, 31642), (281, 31627), (302, 31570), (323, 31513), (328, 31504), (341, 31462), (360, 31411), (378, 31360), (438, 31267), (458, 31219), (466, 31210), (472, 31195), (489, 31156), (499, 31129), (514, 31099), (555, 31006), (584, 30946), (595, 30931), (649, 30775), (677, 30688), (692, 30622), (706, 30583), (729, 30511), (739, 30472), (750, 30448), (757, 30430), (767, 30397), (782, 30370), (816, 30316), (832, 30256), (859, 30178), (874, 30121), (880, 30109), (884, 30100),

Gene: MajorMajor_44 Start: 30374, Stop: 28545, Start Num: 180

Candidate Starts for MajorMajor_44:

(Start: 180 @30374 has 21 MA's), (273, 30170), (275, 30167), (277, 30161), (286, 30146), (291, 30131), (301, 30101), (302, 30098), (311, 30068), (323, 30041), (332, 30020), (341, 29990), (378, 29888), (438, 29795), (458, 29747), (466, 29738), (472, 29723), (499, 29657), (539, 29576), (560, 29528), (583, 29483), (649, 29303), (665, 29255), (667, 29252), (677, 29216), (692, 29150), (706, 29111), (722, 29090), (745, 29015), (753, 28997), (767, 28952), (782, 28925), (801, 28889), (816, 28871), (828, 28835), (832, 28811), (859, 28733), (874, 28676), (880, 28664), (884, 28655), (900, 28607), (915, 28577), (924, 28559), (926, 28556),

Gene: Makemake_44 Start: 35340, Stop: 33514, Start Num: 181

Candidate Starts for Makemake_44:

(Start: 181 @35340 has 918 MA's), (277, 35127), (285, 35112), (302, 35064), (311, 35034), (318, 35013), (323, 35007), (328, 34998), (369, 34881), (378, 34854), (438, 34761), (443, 34746), (458, 34713), (483, 34662), (484, 34659), (514, 34593), (530, 34563), (542, 34533), (562, 34488), (583, 34449), (649, 34269), (660, 34239), (665, 34221), (667, 34218), (677, 34182), (692, 34116), (728, 34035), (729, 34032), (757, 33951), (828, 33801), (829, 33798), (836, 33762), (846, 33738), (852, 33729), (856, 33717), (874, 33642), (884, 33621),

Gene: Makima_42 Start: 30406, Stop: 28625, Start Num: 172

Candidate Starts for Makima_42:

(51, 30742), (54, 30718), (73, 30610), (75, 30601), (77, 30598), (97, 30535), (129, 30475), (132, 30472), (Start: 172 @30406 has 3 MA's), (Start: 232 @30283 has 11 MA's), (252, 30235), (312, 30097), (335, 30043), (341, 30025), (371, 29962), (373, 29956), (381, 29932), (438, 29863), (465, 29809), (476, 29782), (489, 29755), (494, 29740), (525, 29677), (550, 29620), (562, 29596), (565, 29590), (583, 29554), (586, 29542), (603, 29518), (646, 29404), (649, 29383), (650, 29377), (681, 29281), (686, 29257), (692, 29230), (706, 29191), (730, 29116), (754, 29047), (767, 29005), (815, 28909), (833, 28843), (853, 28792), (855, 28786), (860, 28762), (864, 28744), (869, 28729), (899, 28636),

Gene: Malec_45 Start: 32164, Stop: 30371, Start Num: 181

Candidate Starts for Malec_45:

(Start: 181 @32164 has 918 MA's), (273, 31960), (275, 31957), (277, 31951), (291, 31921), (302, 31888), (303, 31885), (311, 31858), (323, 31831), (341, 31780), (378, 31678), (438, 31585), (458, 31537), (466, 31528), (472, 31513), (499, 31447), (539, 31366), (560, 31318), (562, 31312), (628, 31174), (649, 31093), (667, 31036), (676, 31003), (685, 30964), (692, 30934), (706, 30895), (722, 30874), (728, 30853), (813, 30661), (816, 30655), (828, 30619), (832, 30595), (855, 30538), (859, 30517), (874, 30460), (880, 30448), (884, 30439),

Gene: Malinsilva_50 Start: 31845, Stop: 30031, Start Num: 181

Candidate Starts for Malinsilva_50:

(Start: 181 @31845 has 918 MA's), (206, 31806), (214, 31794), (273, 31641), (281, 31626), (302, 31569), (323, 31512), (328, 31503), (341, 31461), (360, 31410), (378, 31359), (438, 31266), (458, 31218), (466, 31209), (472, 31194), (489, 31155), (499, 31128), (514, 31098), (555, 31005), (562, 30993), (584, 30945), (595, 30930), (649, 30774), (677, 30687), (692, 30621), (706, 30582), (729, 30510), (739, 30471), (750, 30447), (757, 30429), (767, 30396), (782, 30369), (816, 30315), (832, 30255), (859, 30177), (874, 30120), (880, 30108), (884, 30099),

Gene: Maminiaina_44 Start: 31324, Stop: 29531, Start Num: 181

Candidate Starts for Maminiaina_44:

(Start: 181 @31324 has 918 MA's), (187, 31315), (236, 31213), (259, 31153), (261, 31150), (273, 31120), (277, 31111), (291, 31078), (302, 31045), (303, 31042), (311, 31015), (316, 31000), (323, 30988), (378, 30835), (438, 30742), (499, 30604), (514, 30574), (595, 30403), (616, 30376), (618, 30370), (649, 30247), (689, 30112), (692, 30094), (728, 30013), (767, 29896), (828, 29779), (832, 29755), (859, 29677), (874, 29620), (880, 29608), (884, 29599),

Gene: ManRay_38 Start: 28632, Stop: 26767, Start Num: 211

Candidate Starts for ManRay_38:

(Start: 140 @28719 has 3 MA's), (Start: 142 @28716 has 1 MA's), (Start: 211 @28632 has 115 MA's), (Start: 215 @28623 has 5 MA's), (255, 28518), (259, 28509), (275, 28479), (276, 28476), (332, 28356), (335, 28344), (338, 28338), (374, 28233), (384, 28206), (434, 28065), (435, 28059), (437, 28056), (440, 28044), (450, 28017), (451, 28014), (458, 27999), (461, 27993), (466, 27987), (481, 27954), (561, 27825), (584, 27765), (685, 27450), (688, 27441), (689, 27438), (692, 27420), (707, 27378), (709, 27372), (712, 27363), (718, 27348), (735, 27291), (787, 27132), (802, 27102), (804, 27093), (829, 27033), (833, 27009), (846, 26970), (857, 26937), (858, 26925), (874, 26865),

Gene: Manatee_45 Start: 34036, Stop: 32210, Start Num: 181

Candidate Starts for Manatee_45:

(Start: 181 @34036 has 918 MA's), (277, 33823), (302, 33760), (311, 33730), (318, 33709), (323, 33703), (328, 33694), (369, 33577), (378, 33550), (438, 33457), (443, 33442), (483, 33358), (484, 33355), (514, 33289), (530, 33259), (542, 33229), (562, 33184), (583, 33145), (649, 32965), (665,

32917), (667, 32914), (677, 32878), (692, 32812), (706, 32773), (722, 32752), (728, 32731), (733, 32713), (757, 32647), (828, 32497), (829, 32494), (836, 32458), (846, 32434), (852, 32425), (856, 32413), (874, 32338), (884, 32317),

Gene: Mandalorian_37 Start: 28518, Stop: 26617, Start Num: 209

Candidate Starts for Mandalorian_37:

(Start: 209 @28518 has 41 MA's), (259, 28395), (267, 28380), (275, 28365), (291, 28332), (296, 28323), (300, 28308), (312, 28272), (326, 28257), (335, 28230), (338, 28224), (354, 28173), (367, 28134), (393, 28074), (434, 27948), (437, 27939), (440, 27927), (451, 27897), (461, 27876), (480, 27840), (568, 27693), (584, 27648), (633, 27537), (675, 27342), (685, 27300), (692, 27270), (707, 27228), (718, 27198), (725, 27177), (735, 27141), (829, 26883), (833, 26859), (844, 26826), (846, 26820), (874, 26715),

Gene: Manu_48 Start: 31753, Stop: 29939, Start Num: 181

Candidate Starts for Manu_48:

(Start: 181 @31753 has 918 MA's), (206, 31714), (214, 31702), (273, 31549), (281, 31534), (302, 31477), (323, 31420), (328, 31411), (341, 31369), (360, 31318), (378, 31267), (438, 31174), (458, 31126), (472, 31102), (489, 31063), (499, 31036), (514, 31006), (555, 30913), (562, 30901), (584, 30853), (595, 30838), (649, 30682), (667, 30631), (676, 30598), (677, 30595), (692, 30529), (706, 30490), (729, 30418), (739, 30379), (750, 30355), (757, 30337), (767, 30304), (816, 30223), (832, 30163), (837, 30145), (859, 30085), (862, 30076), (874, 30028), (880, 30016), (884, 30007),

Gene: MarQuardt_48 Start: 31854, Stop: 30040, Start Num: 181

Candidate Starts for MarQuardt_48:

(Start: 181 @31854 has 918 MA's), (206, 31815), (214, 31803), (273, 31650), (281, 31635), (302, 31578), (323, 31521), (328, 31512), (341, 31470), (360, 31419), (378, 31368), (438, 31275), (458, 31227), (466, 31218), (472, 31203), (489, 31164), (499, 31137), (514, 31107), (555, 31014), (584, 30954), (595, 30939), (649, 30783), (677, 30696), (692, 30630), (706, 30591), (729, 30519), (739, 30480), (750, 30456), (757, 30438), (767, 30405), (782, 30378), (816, 30324), (832, 30264), (859, 30186), (874, 30129), (880, 30117), (884, 30108),

Gene: Marcell_43 Start: 34431, Stop: 32605, Start Num: 181

Candidate Starts for Marcell_43:

(Start: 181 @34431 has 918 MA's), (277, 34218), (285, 34203), (302, 34155), (311, 34125), (318, 34104), (323, 34098), (328, 34089), (369, 33972), (378, 33945), (438, 33852), (443, 33837), (483, 33753), (484, 33750), (514, 33684), (530, 33654), (542, 33624), (562, 33579), (583, 33540), (649, 33360), (665, 33312), (667, 33309), (677, 33273), (692, 33207), (706, 33168), (722, 33147), (728, 33126), (733, 33108), (757, 33042), (828, 32892), (829, 32889), (836, 32853), (846, 32829), (852, 32820), (856, 32808), (874, 32733), (884, 32712),

Gene: Marchesa_45 Start: 31433, Stop: 29595, Start Num: 181

Candidate Starts for Marchesa_45:

(133, 31505), (Start: 181 @31433 has 918 MA's), (214, 31382), (273, 31229), (299, 31169), (302, 31157), (323, 31100), (328, 31091), (332, 31079), (370, 30971), (378, 30947), (438, 30851), (460, 30803), (489, 30743), (517, 30680), (549, 30611), (560, 30590), (595, 30521), (598, 30515), (618, 30476), (649, 30353), (677, 30266), (685, 30230), (692, 30200), (704, 30170), (729, 30089), (739, 30050), (750, 30026), (757, 30008), (816, 29879), (832, 29819), (874, 29684), (880, 29672), (884, 29663),

Gene: Marchy_39 Start: 31191, Stop: 29365, Start Num: 181

Candidate Starts for Marchy_39:

(Start: 181 @31191 has 918 MA's), (277, 30978), (285, 30963), (311, 30885), (318, 30864), (323, 30858), (328, 30849), (369, 30732), (378, 30705), (438, 30612), (443, 30597), (483, 30513), (484,

30510), (514, 30444), (530, 30414), (542, 30384), (562, 30339), (583, 30300), (649, 30120), (660, 30090), (665, 30072), (667, 30069), (677, 30033), (692, 29967), (728, 29886), (729, 29883), (757, 29802), (828, 29652), (829, 29649), (836, 29613), (846, 29589), (852, 29580), (856, 29568), (862, 29541), (874, 29493), (884, 29472),

Gene: Marco3_47 Start: 35533, Stop: 33704, Start Num: 181

Candidate Starts for Marco3_47:

(Start: 181 @35533 has 918 MA's), (277, 35320), (285, 35305), (311, 35227), (318, 35206), (323, 35200), (328, 35191), (369, 35074), (378, 35047), (438, 34954), (443, 34939), (458, 34906), (483, 34855), (484, 34852), (514, 34786), (530, 34756), (542, 34726), (562, 34681), (583, 34642), (649, 34462), (665, 34414), (680, 34366), (689, 34327), (692, 34309), (706, 34270), (722, 34249), (728, 34228), (732, 34213), (779, 34090), (853, 33919), (858, 33895), (871, 33847), (874, 33835), (884, 33814), (887, 33808), (903, 33760), (908, 33745),

Gene: Mareelih_171 Start: 99155, Stop: 97374, Start Num: 183

Candidate Starts for Mareelih_171:

(Start: 183 @99155 has 4 MA's), (214, 99110), (Start: 223 @99083 has 1 MA's), (259, 98990), (289, 98930), (290, 98927), (294, 98918), (301, 98894), (314, 98852), (315, 98849), (335, 98804), (358, 98762), (376, 98708), (438, 98624), (476, 98540), (489, 98513), (494, 98498), (572, 98339), (583, 98315), (587, 98300), (595, 98291), (632, 98204), (641, 98177), (642, 98174), (646, 98153), (649, 98132), (666, 98081), (689, 97997), (694, 97970), (704, 97937), (716, 97895), (754, 97784), (763, 97757), (780, 97721), (784, 97712), (785, 97709), (790, 97700), (833, 97580), (839, 97559), (842, 97553), (857, 97520), (860, 97502), (862, 97496), (870, 97463), (874, 97448), (885, 97424), (887, 97421), (894, 97397),

Gene: Margaret_49 Start: 33864, Stop: 31474, Start Num: 26

Candidate Starts for Margaret_49:

(8, 33993), (9, 33984), (Start: 26 @33864 has 25 MA's), (Start: 37 @33798 has 1 MA's), (50, 33732), (57, 33675), (69, 33636), (73, 33612), (80, 33591), (94, 33570), (132, 33501), (164, 33453), (Start: 172 @33438 has 3 MA's), (204, 33390), (239, 33309), (242, 33297), (274, 33228), (287, 33204), (296, 33180), (329, 33105), (335, 33084), (355, 33024), (372, 32979), (391, 32931), (425, 32823), (427, 32817), (455, 32736), (496, 32688), (558, 32628), (596, 32556), (618, 32514), (621, 32502), (653, 32361), (656, 32337), (661, 32322), (672, 32286), (692, 32193), (705, 32157), (707, 32151), (711, 32139), (718, 32115), (735, 32058), (740, 32040), (768, 31947), (797, 31878), (810, 31851), (817, 31839), (818, 31836), (829, 31800), (832, 31779), (842, 31746), (851, 31728), (867, 31659), (874, 31632), (880, 31608), (922, 31500), (928, 31488),

Gene: Marge_45 Start: 35242, Stop: 33455, Start Num: 181

Candidate Starts for Marge_45:

(Start: 181 @35242 has 918 MA's), (277, 35029), (285, 35014), (311, 34936), (318, 34915), (323, 34909), (328, 34900), (360, 34807), (369, 34783), (378, 34756), (438, 34663), (443, 34648), (458, 34615), (483, 34564), (484, 34561), (514, 34495), (530, 34465), (542, 34435), (562, 34390), (583, 34351), (649, 34171), (665, 34123), (677, 34084), (692, 34018), (725, 33946), (728, 33937), (757, 33853), (796, 33766), (846, 33640), (853, 33628), (874, 33544), (878, 33538),

Gene: Margo_44 Start: 31623, Stop: 29785, Start Num: 181

Candidate Starts for Margo_44:

(Start: 181 @31623 has 918 MA's), (214, 31572), (273, 31419), (302, 31347), (311, 31317), (323, 31290), (328, 31281), (378, 31137), (438, 31041), (460, 30993), (489, 30933), (531, 30846), (549, 30801), (560, 30780), (596, 30708), (618, 30666), (628, 30624), (649, 30543), (665, 30495), (677, 30456), (685, 30420), (692, 30390), (704, 30360), (729, 30279), (739, 30240), (750, 30216), (757, 30198), (758, 30195), (816, 30069), (832, 30009), (862, 29922), (874, 29874), (880, 29862), (884, 29853),

Gene: Marie_48 Start: 31852, Stop: 30038, Start Num: 181

Candidate Starts for Marie_48:

(Start: 181 @31852 has 918 MA's), (206, 31813), (214, 31801), (273, 31648), (281, 31633), (302, 31576), (323, 31519), (328, 31510), (341, 31468), (360, 31417), (378, 31366), (438, 31273), (458, 31225), (466, 31216), (472, 31201), (489, 31162), (499, 31135), (514, 31105), (555, 31012), (584, 30952), (595, 30937), (649, 30781), (677, 30694), (692, 30628), (706, 30589), (729, 30517), (739, 30478), (750, 30454), (757, 30436), (767, 30403), (782, 30376), (816, 30322), (832, 30262), (859, 30184), (874, 30127), (880, 30115), (884, 30106),

Gene: Marius_49 Start: 31750, Stop: 29936, Start Num: 181

Candidate Starts for Marius_49:

(Start: 181 @31750 has 918 MA's), (206, 31711), (214, 31699), (273, 31546), (281, 31531), (302, 31474), (323, 31417), (328, 31408), (341, 31366), (360, 31315), (378, 31264), (438, 31171), (458, 31123), (472, 31099), (489, 31060), (499, 31033), (514, 31003), (555, 30910), (562, 30898), (584, 30850), (595, 30835), (649, 30679), (667, 30628), (676, 30595), (677, 30592), (692, 30526), (706, 30487), (729, 30415), (739, 30376), (750, 30352), (757, 30334), (767, 30301), (816, 30220), (832, 30160), (837, 30142), (859, 30082), (862, 30073), (874, 30025), (880, 30013), (884, 30004),

Gene: Maroc7_43 Start: 34287, Stop: 32461, Start Num: 181

Candidate Starts for Maroc7_43:

(Start: 181 @34287 has 918 MA's), (277, 34074), (285, 34059), (302, 34011), (311, 33981), (318, 33960), (323, 33954), (328, 33945), (369, 33828), (378, 33801), (438, 33708), (443, 33693), (458, 33660), (483, 33609), (484, 33606), (514, 33540), (542, 33480), (562, 33435), (583, 33396), (649, 33216), (665, 33168), (677, 33129), (692, 33063), (706, 33024), (722, 33003), (728, 32982), (733, 32964), (757, 32898), (828, 32748), (829, 32745), (836, 32709), (846, 32685), (852, 32676), (856, 32664), (862, 32637), (874, 32589), (884, 32568),

Gene: Marsha_45 Start: 35798, Stop: 33972, Start Num: 181

Candidate Starts for Marsha_45:

(Start: 181 @35798 has 918 MA's), (277, 35585), (285, 35570), (302, 35522), (311, 35492), (318, 35471), (323, 35465), (328, 35456), (369, 35339), (378, 35312), (438, 35219), (443, 35204), (483, 35120), (484, 35117), (514, 35051), (542, 34991), (562, 34946), (583, 34907), (649, 34727), (660, 34697), (665, 34679), (667, 34676), (677, 34640), (692, 34574), (728, 34493), (729, 34490), (757, 34409), (828, 34259), (829, 34256), (836, 34220), (846, 34196), (856, 34175), (862, 34148), (874, 34100), (884, 34079),

Gene: Martin_40 Start: 28939, Stop: 27074, Start Num: 211

Candidate Starts for Martin_40:

(Start: 140 @29026 has 3 MA's), (Start: 142 @29023 has 1 MA's), (Start: 211 @28939 has 115 MA's), (Start: 215 @28930 has 5 MA's), (255, 28825), (259, 28816), (275, 28786), (276, 28783), (332, 28663), (335, 28651), (338, 28645), (374, 28540), (384, 28513), (434, 28372), (435, 28366), (437, 28363), (440, 28351), (450, 28324), (451, 28321), (458, 28306), (461, 28300), (466, 28294), (481, 28261), (584, 28072), (685, 27757), (688, 27748), (689, 27745), (692, 27727), (707, 27685), (709, 27679), (712, 27670), (718, 27655), (735, 27598), (787, 27439), (802, 27409), (804, 27400), (829, 27340), (833, 27316), (846, 27277), (857, 27244), (858, 27232), (874, 27172),

Gene: MaryBeth_45 Start: 34704, Stop: 32875, Start Num: 181

Candidate Starts for MaryBeth_45:

(Start: 181 @34704 has 918 MA's), (277, 34491), (285, 34476), (302, 34428), (311, 34398), (318, 34377), (323, 34371), (328, 34362), (341, 34320), (369, 34245), (378, 34218), (438, 34125), (443, 34110), (483, 34026), (484, 34023), (514, 33957), (530, 33927), (542, 33897), (562, 33852), (583, 33813), (649, 33633), (665, 33585), (680, 33537), (689, 33498), (692, 33480), (706, 33441), (722,

33420), (728, 33399), (732, 33384), (779, 33261), (853, 33090), (858, 33066), (871, 33018), (874, 33006), (884, 32985), (887, 32979), (903, 32931), (908, 32916),

Gene: MarysWell_37 Start: 30459, Stop: 28594, Start Num: 181

Candidate Starts for MarysWell_37:

(Start: 181 @30459 has 918 MA's), (214, 30408), (261, 30285), (273, 30255), (275, 30252), (299, 30195), (311, 30153), (323, 30126), (328, 30117), (370, 29997), (378, 29973), (438, 29877), (447, 29853), (455, 29832), (497, 29745), (499, 29739), (516, 29706), (537, 29667), (555, 29619), (562, 29607), (583, 29568), (649, 29373), (660, 29343), (665, 29325), (676, 29289), (677, 29286), (680, 29277), (692, 29220), (706, 29181), (728, 29139), (733, 29121), (750, 29073), (753, 29067), (767, 29022), (796, 28968), (801, 28959), (816, 28941), (837, 28863), (858, 28806), (868, 28770), (874, 28746), (880, 28734),

Gene: Maureen_42 Start: 31379, Stop: 33223, Start Num: 181

Candidate Starts for Maureen_42:

(Start: 102 @31253 has 1 MA's), (105, 31256), (Start: 181 @31379 has 918 MA's), (311, 31676), (440, 31952), (487, 32054), (494, 32075), (560, 32213), (588, 32276), (649, 32471), (650, 32477), (660, 32501), (677, 32558), (690, 32615), (692, 32624), (733, 32741), (750, 32789), (824, 32948), (828, 32960), (855, 33041), (874, 33119), (892, 33164),

Gene: Maverick_45 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Maverick_45:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Maxo_46 Start: 31572, Stop: 29746, Start Num: 181

Candidate Starts for Maxo_46:

(Start: 181 @31572 has 918 MA's), (195, 31551), (214, 31521), (224, 31491), (291, 31329), (298, 31311), (323, 31239), (328, 31230), (370, 31110), (378, 31086), (438, 30993), (460, 30945), (472, 30924), (489, 30885), (549, 30753), (560, 30732), (583, 30687), (586, 30675), (646, 30522), (649, 30501), (685, 30378), (692, 30348), (706, 30309), (728, 30243), (729, 30240), (733, 30225), (739, 30201), (750, 30177), (832, 29970), (874, 29835), (880, 29823), (884, 29814),

Gene: Mayonnaise_44 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Mayonnaise_44:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Mayweather_49 Start: 35337, Stop: 32956, Start Num: 27

Candidate Starts for Mayweather_49:

(Start: 27 @35337 has 14 MA's), (36, 35277), (52, 35196), (73, 35076), (97, 35031), (136, 34953), (Start: 140 @34947 has 3 MA's), (Start: 142 @34944 has 1 MA's), (165, 34914), (191, 34875), (196, 34866), (Start: 215 @34836 has 5 MA's), (238, 34779), (255, 34740), (265, 34719), (287, 34677), (290, 34668), (296, 34653), (299, 34644), (302, 34632), (312, 34599), (313, 34596), (329, 34578), (335, 34557), (404, 34374), (427, 34299), (440, 34257), (496, 34170), (552, 34122), (566, 34092), (570, 34086), (596, 34041), (598, 34038), (606, 34023), (617, 34002), (642, 33918), (648, 33888), (656, 33828), (659, 33819), (662, 33804), (667, 33789), (672, 33777), (692, 33684), (705, 33648), (707,

33642), (709, 33636), (711, 33630), (729, 33573), (735, 33549), (766, 33444), (767, 33441), (787, 33390), (806, 33348), (817, 33330), (829, 33291), (838, 33249), (848, 33225), (868, 33147), (874, 33123), (889, 33078), (909, 33012), (922, 32991), (925, 32985), (928, 32979),

Gene: Mazhar510_45 Start: 31571, Stop: 29745, Start Num: 181

Candidate Starts for Mazhar510_45:

(Start: 181 @31571 has 918 MA's), (195, 31550), (214, 31520), (224, 31490), (291, 31328), (298, 31310), (323, 31238), (328, 31229), (370, 31109), (378, 31085), (438, 30992), (460, 30944), (472, 30923), (489, 30884), (549, 30752), (560, 30731), (583, 30686), (586, 30674), (646, 30521), (649, 30500), (685, 30377), (692, 30347), (706, 30308), (728, 30242), (729, 30239), (733, 30224), (739, 30200), (750, 30176), (832, 29969), (874, 29834), (880, 29822), (884, 29813),

Gene: McDazzle_47 Start: 34382, Stop: 32007, Start Num: 27

Candidate Starts for McDazzle_47:

(Start: 27 @34382 has 14 MA's), (36, 34322), (52, 34241), (73, 34121), (97, 34076), (136, 33998), (Start: 140 @33992 has 3 MA's), (Start: 142 @33989 has 1 MA's), (165, 33959), (176, 33941), (196, 33911), (214, 33884), (Start: 215 @33881 has 5 MA's), (238, 33824), (244, 33803), (255, 33785), (287, 33722), (296, 33698), (299, 33689), (302, 33677), (312, 33644), (329, 33623), (335, 33602), (404, 33419), (427, 33344), (434, 33323), (440, 33302), (496, 33215), (552, 33167), (566, 33137), (570, 33131), (596, 33086), (598, 33083), (606, 33068), (617, 33047), (618, 33044), (642, 32963), (648, 32933), (656, 32873), (659, 32864), (662, 32849), (667, 32834), (672, 32822), (692, 32729), (705, 32693), (707, 32687), (709, 32681), (711, 32675), (729, 32618), (735, 32594), (766, 32489), (767, 32486), (787, 32435), (806, 32393), (817, 32375), (829, 32336), (838, 32294), (848, 32270), (857, 32240), (868, 32192), (870, 32183), (874, 32168), (880, 32144), (889, 32123), (906, 32069), (922, 32036),

Gene: McFly_45 Start: 29627, Stop: 27786, Start Num: 181

Candidate Starts for McFly_45:

(Start: 181 @29627 has 918 MA's), (273, 29423), (302, 29348), (303, 29345), (311, 29318), (316, 29303), (323, 29291), (341, 29240), (374, 29150), (378, 29138), (438, 29045), (453, 29006), (466, 28988), (472, 28973), (499, 28907), (516, 28874), (517, 28871), (564, 28769), (595, 28709), (628, 28625), (649, 28544), (676, 28460), (677, 28457), (680, 28448), (685, 28421), (692, 28391), (722, 28331), (733, 28292), (828, 28076), (829, 28073), (832, 28052), (874, 27917), (880, 27905), (884, 27896), (885, 27893), (923, 27800),

Gene: McGalleon_41 Start: 30345, Stop: 28477, Start Num: 211

Candidate Starts for McGalleon_41:

(197, 30360), (Start: 211 @30345 has 115 MA's), (Start: 215 @30336 has 5 MA's), (275, 30192), (276, 30189), (329, 30078), (332, 30069), (335, 30057), (338, 30051), (374, 29946), (410, 29853), (434, 29778), (437, 29769), (440, 29757), (451, 29727), (458, 29712), (461, 29706), (466, 29700), (584, 29478), (685, 29163), (688, 29154), (689, 29151), (692, 29133), (707, 29091), (735, 29001), (743, 28974), (787, 28842), (804, 28803), (829, 28743), (833, 28719), (846, 28680), (857, 28647), (858, 28635),

Gene: McGuire_45 Start: 34382, Stop: 32553, Start Num: 181

Candidate Starts for McGuire_45:

(Start: 181 @34382 has 918 MA's), (277, 34169), (302, 34106), (311, 34076), (318, 34055), (323, 34049), (328, 34040), (369, 33923), (378, 33896), (438, 33803), (443, 33788), (458, 33755), (483, 33704), (484, 33701), (506, 33647), (514, 33635), (530, 33605), (542, 33575), (562, 33530), (583, 33491), (649, 33311), (665, 33263), (680, 33215), (689, 33176), (692, 33158), (706, 33119), (722, 33098), (728, 33077), (732, 33062), (779, 32939), (853, 32768), (858, 32744), (871, 32696), (874, 32684), (884, 32663), (887, 32657), (903, 32609), (908, 32594),

Gene: McSinger_45 Start: 34792, Stop: 32966, Start Num: 181

Candidate Starts for McSinger_45:

(Start: 181 @34792 has 918 MA's), (277, 34579), (285, 34564), (311, 34486), (318, 34465), (323, 34459), (328, 34450), (369, 34333), (378, 34306), (438, 34213), (443, 34198), (458, 34165), (483, 34114), (484, 34111), (514, 34045), (530, 34015), (542, 33985), (562, 33940), (583, 33901), (649, 33721), (665, 33673), (677, 33634), (692, 33568), (706, 33529), (722, 33508), (728, 33487), (733, 33469), (757, 33403), (828, 33253), (829, 33250), (836, 33214), (846, 33190), (852, 33181), (856, 33169), (874, 33094), (884, 33073),

Gene: Medusa_45 Start: 31569, Stop: 29743, Start Num: 181

Candidate Starts for Medusa_45:

(Start: 181 @31569 has 918 MA's), (195, 31548), (214, 31518), (224, 31488), (291, 31326), (298, 31308), (323, 31236), (328, 31227), (370, 31107), (378, 31083), (438, 30990), (460, 30942), (472, 30921), (489, 30882), (549, 30750), (560, 30729), (583, 30684), (586, 30672), (646, 30519), (649, 30498), (685, 30375), (692, 30345), (706, 30306), (728, 30240), (729, 30237), (733, 30222), (739, 30198), (750, 30174), (832, 29967), (874, 29832), (880, 29820), (884, 29811),

Gene: MeeZee_45 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for MeeZee_45:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: MegTheThird_43 Start: 30783, Stop: 28990, Start Num: 181

Candidate Starts for MegTheThird_43:

(Start: 181 @30783 has 918 MA's), (187, 30774), (273, 30579), (288, 30546), (291, 30537), (302, 30504), (323, 30447), (332, 30426), (378, 30294), (438, 30201), (455, 30156), (499, 30063), (514, 30033), (586, 29874), (616, 29835), (618, 29829), (649, 29706), (689, 29571), (692, 29553), (728, 29472), (767, 29355), (779, 29334), (828, 29238), (832, 29214), (859, 29136), (874, 29079), (880, 29067), (884, 29058),

Gene: Melvin_47 Start: 31565, Stop: 29739, Start Num: 181

Candidate Starts for Melvin_47:

(Start: 181 @31565 has 918 MA's), (195, 31544), (214, 31514), (224, 31484), (291, 31322), (298, 31304), (323, 31232), (328, 31223), (370, 31103), (378, 31079), (438, 30986), (460, 30938), (472, 30917), (489, 30878), (549, 30746), (560, 30725), (583, 30680), (586, 30668), (646, 30515), (649, 30494), (685, 30371), (692, 30341), (706, 30302), (728, 30236), (729, 30233), (733, 30218), (739, 30194), (750, 30170), (832, 29963), (874, 29828), (880, 29816), (884, 29807),

Gene: Mercedes_34 Start: 25967, Stop: 24108, Start Num: 209

Candidate Starts for Mercedes_34:

(Start: 209 @25967 has 41 MA's), (214, 25961), (247, 25868), (275, 25814), (277, 25808), (329, 25700), (335, 25679), (338, 25673), (354, 25622), (386, 25538), (437, 25403), (440, 25391), (451, 25361), (458, 25346), (461, 25340), (468, 25328), (568, 25157), (600, 25091), (617, 25058), (639, 24989), (642, 24977), (685, 24797), (692, 24767), (729, 24656), (735, 24632), (736, 24629), (743, 24605), (804, 24434), (829, 24374), (833, 24350), (836, 24338), (839, 24329), (857, 24278), (874, 24206),

Gene: Merida02_40 Start: 28933, Stop: 27068, Start Num: 211

Candidate Starts for Merida02_40:

(Start: 140 @29020 has 3 MA's), (Start: 211 @28933 has 115 MA's), (Start: 215 @28924 has 5 MA's),
(255, 28819), (259, 28810), (275, 28780), (276, 28777), (332, 28657), (335, 28645), (338, 28639),
(374, 28534), (384, 28507), (434, 28366), (435, 28360), (437, 28357), (440, 28345), (450, 28318),
(451, 28315), (458, 28300), (461, 28294), (466, 28288), (481, 28255), (561, 28126), (584, 28066),
(685, 27751), (688, 27742), (689, 27739), (692, 27721), (707, 27679), (709, 27673), (712, 27664),
(718, 27649), (735, 27592), (787, 27433), (802, 27403), (804, 27394), (829, 27334), (833, 27310),
(846, 27271), (857, 27238), (858, 27226), (874, 27166),

Gene: MetalQZJ_44 Start: 34704, Stop: 32875, Start Num: 181

Candidate Starts for MetalQZJ_44:

(Start: 181 @34704 has 918 MA's), (277, 34491), (285, 34476), (302, 34428), (311, 34398), (318,
34377), (323, 34371), (328, 34362), (341, 34320), (369, 34245), (378, 34218), (438, 34125), (443,
34110), (483, 34026), (484, 34023), (514, 33957), (530, 33927), (542, 33897), (562, 33852), (583,
33813), (649, 33633), (665, 33585), (680, 33537), (689, 33498), (692, 33480), (706, 33441), (722,
33420), (728, 33399), (732, 33384), (779, 33261), (853, 33090), (858, 33066), (871, 33018), (874,
33006), (884, 32985), (887, 32979), (903, 32931), (908, 32916),

Gene: Methuselah_45 Start: 31880, Stop: 30066, Start Num: 181

Candidate Starts for Methuselah_45:

(Start: 181 @31880 has 918 MA's), (206, 31841), (214, 31829), (273, 31676), (281, 31661), (302,
31604), (323, 31547), (328, 31538), (341, 31496), (360, 31445), (378, 31394), (420, 31340), (438,
31301), (458, 31253), (472, 31229), (489, 31190), (499, 31163), (514, 31133), (555, 31040), (562,
31028), (584, 30980), (595, 30965), (649, 30809), (667, 30758), (676, 30725), (677, 30722), (692,
30656), (706, 30617), (729, 30545), (739, 30506), (750, 30482), (757, 30464), (767, 30431), (816,
30350), (832, 30290), (862, 30203), (874, 30155), (880, 30143), (884, 30134), (885, 30131),

Gene: Micasa_40 Start: 30726, Stop: 28861, Start Num: 181

Candidate Starts for Micasa_40:

(Start: 181 @30726 has 918 MA's), (214, 30675), (236, 30615), (261, 30552), (273, 30522), (275,
30519), (299, 30462), (302, 30450), (311, 30420), (323, 30393), (378, 30240), (438, 30144), (458,
30096), (497, 30012), (499, 30006), (537, 29934), (549, 29901), (555, 29886), (562, 29874), (614,
29775), (649, 29640), (660, 29610), (665, 29592), (667, 29589), (677, 29553), (680, 29544), (685,
29517), (692, 29487), (706, 29448), (728, 29406), (733, 29388), (750, 29340), (767, 29289), (796,
29235), (801, 29226), (816, 29208), (832, 29148), (837, 29130), (868, 29037), (874, 29013), (880,
29001), (923, 28896),

Gene: Michley_44 Start: 34222, Stop: 32396, Start Num: 181

Candidate Starts for Michley_44:

(Start: 181 @34222 has 918 MA's), (277, 34009), (311, 33916), (318, 33895), (323, 33889), (328,
33880), (369, 33763), (378, 33736), (438, 33643), (443, 33628), (458, 33595), (483, 33544), (484,
33541), (514, 33475), (530, 33445), (542, 33415), (562, 33370), (583, 33331), (649, 33151), (665,
33103), (677, 33064), (692, 32998), (706, 32959), (722, 32938), (728, 32917), (733, 32899), (757,
32833), (828, 32683), (829, 32680), (836, 32644), (846, 32620), (852, 32611), (856, 32599), (874,
32524), (884, 32503),

Gene: Microwolf_48 Start: 31854, Stop: 30040, Start Num: 181

Candidate Starts for Microwolf_48:

(Start: 181 @31854 has 918 MA's), (206, 31815), (214, 31803), (273, 31650), (281, 31635), (302,
31578), (323, 31521), (328, 31512), (341, 31470), (360, 31419), (378, 31368), (438, 31275), (458,
31227), (466, 31218), (472, 31203), (489, 31164), (499, 31137), (514, 31107), (555, 31014), (562,
31002), (584, 30954), (595, 30939), (649, 30783), (677, 30696), (692, 30630), (706, 30591), (729,
30519), (739, 30480), (750, 30456), (757, 30438), (767, 30405), (782, 30378), (816, 30324), (832,
30264), (859, 30186), (874, 30129), (880, 30117), (884, 30108),

Gene: MiculUcigas_44 Start: 31260, Stop: 29473, Start Num: 181

Candidate Starts for MiculUcigas_44:

(Start: 181 @31260 has 918 MA's), (273, 31056), (275, 31053), (277, 31047), (291, 31017), (302, 30984), (303, 30981), (311, 30954), (323, 30927), (341, 30876), (378, 30774), (438, 30681), (458, 30633), (466, 30624), (472, 30609), (499, 30543), (539, 30462), (560, 30414), (628, 30270), (649, 30189), (667, 30138), (676, 30105), (692, 30036), (706, 29997), (722, 29976), (728, 29955), (731, 29943), (813, 29763), (816, 29757), (828, 29721), (832, 29697), (859, 29619), (874, 29562), (880, 29550),

Gene: Midas2_38 Start: 30444, Stop: 28579, Start Num: 181

Candidate Starts for Midas2_38:

(Start: 181 @30444 has 918 MA's), (214, 30393), (236, 30333), (261, 30270), (273, 30240), (275, 30237), (299, 30180), (302, 30168), (311, 30138), (323, 30111), (378, 29958), (438, 29862), (458, 29814), (497, 29730), (499, 29724), (516, 29691), (537, 29652), (549, 29619), (555, 29604), (562, 29592), (614, 29493), (649, 29358), (660, 29328), (665, 29310), (667, 29307), (677, 29271), (680, 29262), (685, 29235), (692, 29205), (706, 29166), (728, 29124), (733, 29106), (750, 29058), (767, 29007), (796, 28953), (801, 28944), (816, 28926), (832, 28866), (837, 28848), (868, 28755), (874, 28731), (880, 28719), (923, 28614),

Gene: Miko_43 Start: 31812, Stop: 30025, Start Num: 181

Candidate Starts for Miko_43:

(Start: 181 @31812 has 918 MA's), (275, 31605), (277, 31599), (291, 31569), (302, 31536), (303, 31533), (316, 31491), (323, 31479), (378, 31326), (438, 31233), (458, 31185), (466, 31176), (472, 31161), (499, 31095), (560, 30966), (628, 30822), (649, 30741), (667, 30690), (676, 30657), (677, 30654), (692, 30588), (706, 30549), (722, 30528), (745, 30453), (750, 30441), (767, 30390), (782, 30363), (801, 30327), (816, 30309), (828, 30273), (832, 30249), (859, 30171), (874, 30114), (880, 30102), (884, 30093),

Gene: Milcery_39 Start: 30563, Stop: 28704, Start Num: 181

Candidate Starts for Milcery_39:

(Start: 181 @30563 has 918 MA's), (214, 30512), (236, 30452), (261, 30389), (273, 30359), (275, 30356), (299, 30299), (302, 30287), (311, 30257), (323, 30230), (378, 30077), (438, 29981), (450, 29948), (458, 29933), (497, 29849), (499, 29843), (537, 29771), (549, 29738), (555, 29723), (562, 29711), (614, 29612), (649, 29477), (660, 29447), (665, 29429), (667, 29426), (677, 29390), (680, 29381), (683, 29360), (686, 29351), (692, 29324), (693, 29321), (722, 29264), (728, 29243), (767, 29126), (796, 29072), (801, 29063), (816, 29045), (832, 28985), (837, 28967), (868, 28874), (874, 28850), (880, 28838), (930, 28721), (931, 28718),

Gene: MilleFeuille_41 Start: 34649, Stop: 32823, Start Num: 181

Candidate Starts for MilleFeuille_41:

(Start: 181 @34649 has 918 MA's), (277, 34436), (285, 34421), (311, 34343), (318, 34322), (323, 34316), (328, 34307), (369, 34190), (378, 34163), (438, 34070), (483, 33971), (484, 33968), (514, 33902), (530, 33872), (542, 33842), (562, 33797), (583, 33758), (649, 33578), (665, 33530), (677, 33491), (692, 33425), (706, 33386), (722, 33365), (728, 33344), (733, 33326), (757, 33260), (828, 33110), (829, 33107), (836, 33071), (846, 33047), (852, 33038), (856, 33026), (862, 32999), (874, 32951), (884, 32930),

Gene: Millski_44 Start: 31571, Stop: 29745, Start Num: 181

Candidate Starts for Millski_44:

(Start: 181 @31571 has 918 MA's), (195, 31550), (214, 31520), (224, 31490), (291, 31328), (298, 31310), (323, 31238), (328, 31229), (370, 31109), (378, 31085), (438, 30992), (460, 30944), (472, 30923), (489, 30884), (549, 30752), (560, 30731), (583, 30686), (586, 30674), (646, 30521), (649,

30500), (685, 30377), (692, 30347), (706, 30308), (728, 30242), (729, 30239), (733, 30224), (739, 30200), (750, 30176), (832, 29969), (874, 29834), (880, 29822), (884, 29813),

Gene: MillyPhilly_39 Start: 28927, Stop: 27062, Start Num: 211

Candidate Starts for MillyPhilly_39:

(Start: 140 @29014 has 3 MA's), (Start: 142 @29011 has 1 MA's), (Start: 211 @28927 has 115 MA's), (Start: 215 @28918 has 5 MA's), (255, 28813), (259, 28804), (275, 28774), (276, 28771), (332, 28651), (335, 28639), (338, 28633), (374, 28528), (384, 28501), (434, 28360), (435, 28354), (437, 28351), (440, 28339), (450, 28312), (451, 28309), (458, 28294), (461, 28288), (466, 28282), (481, 28249), (584, 28060), (685, 27745), (688, 27736), (689, 27733), (692, 27715), (707, 27673), (709, 27667), (712, 27658), (718, 27643), (735, 27586), (787, 27427), (802, 27397), (804, 27388), (829, 27328), (833, 27304), (846, 27265), (857, 27232), (858, 27220), (874, 27160),

Gene: Milomuff_43 Start: 29387, Stop: 31261, Start Num: 171

Candidate Starts for Milomuff_43:

(Start: 171 @29387 has 61 MA's), (Start: 219 @29456 has 1 MA's), (227, 29477), (328, 29723), (333, 29738), (341, 29765), (489, 30059), (549, 30194), (594, 30293), (635, 30416), (649, 30476), (650, 30482), (667, 30527), (674, 30542), (675, 30557), (683, 30593), (692, 30629), (726, 30722), (758, 30815), (793, 30893), (828, 30965), (836, 31004), (855, 31046), (858, 31064), (868, 31100), (874, 31124), (884, 31145),

Gene: Mimi_99 Start: 77797, Stop: 79593, Start Num: 190

Candidate Starts for Mimi_99:

(Start: 190 @77797 has 7 MA's), (236, 77893), (326, 78109), (335, 78136), (338, 78142), (369, 78211), (381, 78247), (476, 78394), (479, 78400), (489, 78421), (494, 78436), (583, 78625), (608, 78670), (620, 78703), (624, 78721), (634, 78754), (646, 78793), (649, 78814), (650, 78820), (683, 78934), (705, 79018), (707, 79024), (711, 79036), (726, 79084), (730, 79096), (739, 79132), (754, 79165), (757, 79174), (774, 79219), (783, 79237), (820, 79321), (828, 79342), (833, 79369), (837, 79384), (853, 79417), (858, 79441), (864, 79465), (874, 79501), (884, 79528),

Gene: MinecraftSteve_48 Start: 29943, Stop: 28153, Start Num: 181

Candidate Starts for MinecraftSteve_48:

(Start: 181 @29943 has 918 MA's), (261, 29769), (302, 29664), (303, 29661), (311, 29634), (323, 29607), (341, 29556), (378, 29454), (438, 29361), (453, 29322), (466, 29304), (549, 29115), (583, 29049), (619, 28989), (628, 28950), (644, 28899), (646, 28890), (649, 28869), (667, 28818), (676, 28785), (685, 28746), (692, 28716), (722, 28656), (728, 28635), (739, 28593), (751, 28566), (796, 28464), (828, 28401), (829, 28398), (874, 28242), (880, 28230), (885, 28218),

Gene: MiniMommy_44 Start: 30558, Stop: 32420, Start Num: 180

Candidate Starts for MiniMommy_44:

(115, 30459), (125, 30477), (Start: 180 @30558 has 21 MA's), (213, 30606), (275, 30765), (277, 30771), (318, 30876), (338, 30921), (433, 31128), (489, 31257), (539, 31362), (560, 31410), (597, 31494), (649, 31668), (676, 31752), (683, 31785), (686, 31794), (703, 31845), (726, 31914), (765, 32025), (799, 32094), (801, 32100), (839, 32205), (874, 32316),

Gene: MiniVolent_36 Start: 28446, Stop: 26545, Start Num: 209

Candidate Starts for MiniVolent_36:

(5, 29121), (159, 28512), (Start: 209 @28446 has 41 MA's), (247, 28347), (259, 28323), (267, 28308), (275, 28293), (277, 28287), (291, 28260), (300, 28236), (326, 28185), (335, 28158), (338, 28152), (354, 28101), (367, 28062), (393, 28002), (415, 27933), (434, 27876), (437, 27867), (440, 27855), (451, 27825), (480, 27768), (568, 27621), (633, 27465), (689, 27216), (692, 27198), (707, 27156), (718, 27126), (725, 27105), (735, 27069), (829, 26811), (833, 26787), (834, 26784), (836, 26775), (844, 26754), (846, 26748), (874, 26643),

Gene: Minispark_43 Start: 30716, Stop: 28923, Start Num: 181

Candidate Starts for Minispark_43:

(Start: 181 @30716 has 918 MA's), (187, 30707), (214, 30665), (244, 30578), (273, 30512), (277, 30503), (282, 30494), (289, 30476), (303, 30434), (311, 30407), (316, 30392), (323, 30380), (341, 30329), (378, 30227), (433, 30149), (438, 30134), (466, 30077), (514, 29966), (557, 29870), (586, 29807), (616, 29768), (618, 29762), (649, 29639), (680, 29543), (685, 29516), (692, 29486), (706, 29447), (728, 29405), (767, 29288), (813, 29213), (828, 29171), (859, 29069), (874, 29012), (880, 29000), (884, 28991),

Gene: Miramae_44 Start: 31710, Stop: 29881, Start Num: 181

Candidate Starts for Miramae_44:

(Start: 181 @31710 has 918 MA's), (214, 31659), (224, 31629), (291, 31467), (298, 31449), (323, 31377), (328, 31368), (370, 31248), (378, 31224), (438, 31131), (460, 31083), (489, 31023), (506, 30978), (549, 30891), (560, 30870), (583, 30825), (586, 30813), (649, 30639), (680, 30543), (685, 30516), (686, 30513), (692, 30486), (706, 30447), (728, 30378), (729, 30375), (733, 30360), (739, 30336), (748, 30318), (750, 30312), (753, 30306), (832, 30105), (874, 29970), (880, 29958), (884, 29949),

Gene: Mireles_44 Start: 29952, Stop: 28171, Start Num: 172

Candidate Starts for Mireles_44:

(60, 30225), (70, 30177), (129, 30021), (Start: 172 @29952 has 3 MA's), (Start: 232 @29829 has 11 MA's), (252, 29781), (335, 29589), (341, 29571), (371, 29508), (373, 29502), (381, 29478), (438, 29409), (476, 29328), (489, 29301), (494, 29286), (525, 29223), (562, 29142), (565, 29136), (583, 29100), (586, 29088), (617, 29055), (631, 29001), (646, 28950), (649, 28929), (650, 28923), (681, 28827), (686, 28803), (692, 28776), (706, 28737), (754, 28593), (767, 28551), (782, 28524), (815, 28455), (833, 28389), (844, 28359), (855, 28332), (859, 28311), (860, 28308), (864, 28290), (869, 28275), (899, 28182), (901, 28179),

Gene: Mischief19_57 Start: 49917, Stop: 47956, Start Num: 232

Candidate Starts for Mischief19_57:

(Start: 232 @49917 has 11 MA's), (261, 49848), (295, 49770), (305, 49734), (310, 49716), (332, 49644), (342, 49611), (384, 49494), (411, 49428), (433, 49362), (451, 49311), (456, 49299), (502, 49185), (530, 49137), (539, 49116), (576, 49026), (601, 48957), (605, 48948), (620, 48906), (628, 48876), (633, 48861), (642, 48837), (650, 48792), (671, 48732), (676, 48705), (689, 48654), (693, 48633), (695, 48621), (703, 48582), (715, 48552), (722, 48522), (728, 48501), (735, 48474), (739, 48459), (758, 48414), (761, 48405), (772, 48363), (781, 48342), (801, 48300), (813, 48273), (827, 48231), (839, 48180), (853, 48156), (857, 48144), (859, 48129), (874, 48072), (884, 48051), (890, 48033),

Gene: Misomonster_49 Start: 31883, Stop: 30069, Start Num: 181

Candidate Starts for Misomonster_49:

(Start: 181 @31883 has 918 MA's), (206, 31844), (214, 31832), (273, 31679), (281, 31664), (302, 31607), (323, 31550), (328, 31541), (341, 31499), (360, 31448), (378, 31397), (420, 31343), (438, 31304), (458, 31256), (472, 31232), (489, 31193), (499, 31166), (514, 31136), (555, 31043), (562, 31031), (584, 30983), (595, 30968), (649, 30812), (667, 30761), (676, 30728), (677, 30725), (692, 30659), (706, 30620), (729, 30548), (739, 30509), (750, 30485), (757, 30467), (767, 30434), (816, 30353), (832, 30293), (862, 30206), (874, 30158), (880, 30146), (884, 30137), (885, 30134),

Gene: MissSwiss_41 Start: 28328, Stop: 30193, Start Num: 181

Candidate Starts for MissSwiss_41:

(Start: 181 @28328 has 918 MA's), (213, 28376), (261, 28502), (311, 28625), (345, 28715), (440, 28922), (443, 28931), (489, 29030), (494, 29045), (516, 29090), (560, 29183), (619, 29321), (649,

29441), (660, 29471), (672, 29504), (674, 29507), (677, 29528), (692, 29594), (726, 29687), (750, 29759), (799, 29867), (828, 29930), (874, 30089), (879, 30098),

Gene: MissWhite_43 Start: 29746, Stop: 27959, Start Num: 181

Candidate Starts for MissWhite_43:

(Start: 181 @29746 has 918 MA's), (273, 29542), (275, 29539), (277, 29533), (291, 29503), (299, 29482), (301, 29473), (302, 29470), (311, 29440), (323, 29413), (332, 29392), (341, 29362), (378, 29260), (438, 29167), (458, 29119), (466, 29110), (472, 29095), (499, 29029), (549, 28921), (560, 28900), (649, 28675), (667, 28624), (680, 28579), (692, 28522), (706, 28483), (722, 28462), (745, 28387), (753, 28369), (767, 28324), (801, 28261), (813, 28249), (828, 28207), (832, 28183), (855, 28126), (859, 28105), (874, 28048), (880, 28036), (884, 28027),

Gene: Mkhuseleli_44 Start: 34107, Stop: 32281, Start Num: 181

Candidate Starts for Mkhuseleli_44:

(Start: 181 @34107 has 918 MA's), (277, 33894), (285, 33879), (311, 33801), (318, 33780), (323, 33774), (328, 33765), (369, 33648), (378, 33621), (438, 33528), (443, 33513), (458, 33480), (483, 33429), (484, 33426), (514, 33360), (530, 33330), (542, 33300), (562, 33255), (583, 33216), (649, 33036), (660, 33006), (665, 32988), (677, 32949), (692, 32883), (728, 32802), (729, 32799), (757, 32718), (828, 32568), (829, 32565), (836, 32529), (846, 32505), (852, 32496), (856, 32484), (874, 32409), (884, 32388),

Gene: Molivia_56 Start: 35308, Stop: 33140, Start Num: 158

Candidate Starts for Molivia_56:

(Start: 158 @35308 has 13 MA's), (176, 35281), (195, 35254), (Start: 230 @35170 has 5 MA's), (270, 35062), (278, 35044), (280, 35041), (289, 35017), (301, 34981), (303, 34975), (309, 34951), (312, 34942), (328, 34885), (330, 34876), (334, 34864), (341, 34846), (342, 34843), (393, 34693), (394, 34690), (401, 34651), (469, 34456), (473, 34444), (493, 34393), (495, 34387), (501, 34372), (505, 34357), (522, 34330), (580, 34174), (587, 34150), (645, 33988), (652, 33940), (669, 33907), (676, 33883), (686, 33841), (708, 33766), (723, 33706), (748, 33628), (750, 33622), (762, 33589), (791, 33526), (792, 33520), (811, 33481), (828, 33433), (834, 33403), (854, 33349), (857, 33340), (866, 33298), (871, 33280), (874, 33268), (879, 33244), (885, 33229), (901, 33187),

Gene: Molly_45 Start: 33982, Stop: 32153, Start Num: 181

Candidate Starts for Molly_45:

(Start: 181 @33982 has 918 MA's), (277, 33769), (285, 33754), (302, 33706), (311, 33676), (318, 33655), (323, 33649), (328, 33640), (369, 33523), (378, 33496), (438, 33403), (443, 33388), (451, 33367), (483, 33304), (484, 33301), (514, 33235), (542, 33175), (562, 33130), (583, 33091), (649, 32911), (665, 32863), (680, 32815), (689, 32776), (692, 32758), (706, 32719), (722, 32698), (728, 32677), (732, 32662), (779, 32539), (853, 32368), (858, 32344), (871, 32296), (874, 32284), (884, 32263), (887, 32257), (903, 32209), (908, 32194),

Gene: MonChoix_37 Start: 28950, Stop: 27082, Start Num: 211

Candidate Starts for MonChoix_37:

(98, 29115), (122, 29070), (148, 29025), (Start: 211 @28950 has 115 MA's), (Start: 215 @28941 has 5 MA's), (329, 28683), (330, 28677), (335, 28662), (338, 28656), (384, 28524), (406, 28470), (434, 28383), (437, 28374), (440, 28362), (450, 28335), (451, 28332), (458, 28317), (461, 28311), (468, 28299), (630, 27981), (688, 27759), (689, 27756), (692, 27738), (707, 27696), (735, 27606), (743, 27579), (787, 27447), (802, 27417), (804, 27408), (829, 27348), (833, 27324), (835, 27318), (846, 27285), (857, 27252), (858, 27240),

Gene: Monet_48 Start: 36234, Stop: 34408, Start Num: 181

Candidate Starts for Monet_48:

(Start: 181 @36234 has 918 MA's), (277, 36021), (285, 36006), (311, 35928), (318, 35907), (323, 35901), (328, 35892), (369, 35775), (378, 35748), (438, 35655), (443, 35640), (483, 35556), (484, 35553), (514, 35487), (530, 35457), (542, 35427), (562, 35382), (583, 35343), (649, 35163), (665, 35115), (677, 35076), (692, 35010), (706, 34971), (722, 34950), (728, 34929), (733, 34911), (757, 34845), (828, 34695), (829, 34692), (836, 34656), (846, 34632), (856, 34611), (862, 34584), (874, 34536), (884, 34515),

Gene: MoneyMay_48 Start: 31852, Stop: 30038, Start Num: 181

Candidate Starts for MoneyMay_48:

(Start: 181 @31852 has 918 MA's), (206, 31813), (214, 31801), (273, 31648), (281, 31633), (302, 31576), (323, 31519), (328, 31510), (341, 31468), (360, 31417), (378, 31366), (438, 31273), (458, 31225), (466, 31216), (472, 31201), (489, 31162), (499, 31135), (514, 31105), (555, 31012), (584, 30952), (595, 30937), (649, 30781), (677, 30694), (692, 30628), (706, 30589), (729, 30517), (739, 30478), (750, 30454), (757, 30436), (767, 30403), (782, 30376), (816, 30322), (832, 30262), (859, 30184), (874, 30127), (880, 30115), (884, 30106),

Gene: Montavir_47 Start: 31853, Stop: 30039, Start Num: 181

Candidate Starts for Montavir_47:

(Start: 181 @31853 has 918 MA's), (206, 31814), (214, 31802), (273, 31649), (281, 31634), (302, 31577), (323, 31520), (328, 31511), (341, 31469), (360, 31418), (378, 31367), (438, 31274), (458, 31226), (466, 31217), (472, 31202), (489, 31163), (499, 31136), (514, 31106), (555, 31013), (584, 30953), (595, 30938), (649, 30782), (677, 30695), (692, 30629), (706, 30590), (729, 30518), (739, 30479), (750, 30455), (757, 30437), (767, 30404), (782, 30377), (816, 30323), (832, 30263), (859, 30185), (874, 30128), (880, 30116), (884, 30107),

Gene: Moose_44 Start: 34479, Stop: 32653, Start Num: 181

Candidate Starts for Moose_44:

(Start: 181 @34479 has 918 MA's), (277, 34266), (285, 34251), (311, 34173), (318, 34152), (323, 34146), (328, 34137), (369, 34020), (378, 33993), (438, 33900), (443, 33885), (451, 33864), (458, 33852), (483, 33801), (484, 33798), (514, 33732), (530, 33702), (542, 33672), (562, 33627), (583, 33588), (649, 33408), (665, 33360), (677, 33321), (692, 33255), (706, 33216), (722, 33195), (728, 33174), (733, 33156), (757, 33090), (828, 32940), (829, 32937), (836, 32901), (846, 32877), (852, 32868), (856, 32856), (874, 32781), (884, 32760),

Gene: Morpher26_44 Start: 31543, Stop: 29714, Start Num: 181

Candidate Starts for Morpher26_44:

(Start: 181 @31543 has 918 MA's), (214, 31492), (224, 31462), (291, 31300), (298, 31282), (302, 31267), (323, 31210), (328, 31201), (370, 31081), (378, 31057), (414, 31015), (438, 30964), (460, 30916), (472, 30895), (489, 30856), (506, 30811), (510, 30805), (549, 30724), (560, 30703), (583, 30658), (646, 30493), (649, 30472), (692, 30319), (706, 30280), (729, 30208), (733, 30193), (739, 30169), (748, 30151), (750, 30145), (753, 30139), (832, 29938), (874, 29803), (880, 29791), (884, 29782),

Gene: Morrigan_40 Start: 28385, Stop: 26493, Start Num: 209

Candidate Starts for Morrigan_40:

(Start: 209 @28385 has 41 MA's), (Start: 215 @28376 has 5 MA's), (237, 28319), (247, 28289), (259, 28265), (267, 28250), (275, 28235), (277, 28229), (288, 28211), (300, 28178), (335, 28100), (338, 28094), (410, 27893), (437, 27809), (440, 27797), (451, 27767), (458, 27752), (461, 27746), (466, 27740), (468, 27734), (470, 27731), (619, 27464), (633, 27413), (649, 27347), (692, 27146), (707, 27104), (718, 27074), (725, 27053), (735, 27017), (756, 26945), (804, 26819), (829, 26759), (833, 26735), (836, 26723), (874, 26591),

Gene: Morrow_46 Start: 31576, Stop: 29750, Start Num: 181

Candidate Starts for Morrow_46:

(Start: 181 @31576 has 918 MA's), (195, 31555), (214, 31525), (224, 31495), (291, 31333), (298, 31315), (323, 31243), (328, 31234), (370, 31114), (378, 31090), (438, 30997), (460, 30949), (472, 30928), (489, 30889), (549, 30757), (560, 30736), (583, 30691), (586, 30679), (646, 30526), (649, 30505), (685, 30382), (692, 30352), (706, 30313), (728, 30247), (729, 30244), (733, 30229), (739, 30205), (750, 30181), (832, 29974), (874, 29839), (880, 29827), (884, 29818),

Gene: Moss_38 Start: 27679, Stop: 29661, Start Num: 181

Candidate Starts for Moss_38:

(Start: 181 @27679 has 918 MA's), (261, 27853), (273, 27883), (293, 27916), (303, 27949), (332, 28024), (340, 28051), (420, 28252), (489, 28426), (560, 28582), (619, 28720), (643, 28807), (649, 28840), (660, 28870), (677, 28927), (692, 28993), (726, 29086), (832, 29353), (839, 29377), (874, 29488),

Gene: MrGordo_44 Start: 34016, Stop: 32190, Start Num: 181

Candidate Starts for MrGordo_44:

(Start: 181 @34016 has 918 MA's), (277, 33803), (285, 33788), (302, 33740), (311, 33710), (318, 33689), (323, 33683), (328, 33674), (369, 33557), (378, 33530), (438, 33437), (443, 33422), (458, 33389), (483, 33338), (484, 33335), (514, 33269), (530, 33239), (542, 33209), (562, 33164), (583, 33125), (649, 32945), (665, 32897), (677, 32858), (692, 32792), (706, 32753), (722, 32732), (728, 32711), (733, 32693), (757, 32627), (828, 32477), (829, 32474), (836, 32438), (846, 32414), (852, 32405), (856, 32393), (862, 32366), (874, 32318), (884, 32297),

Gene: MrWorldwide_39 Start: 28937, Stop: 27072, Start Num: 211

Candidate Starts for MrWorldwide_39:

(Start: 140 @29024 has 3 MA's), (Start: 142 @29021 has 1 MA's), (Start: 211 @28937 has 115 MA's), (Start: 215 @28928 has 5 MA's), (255, 28823), (259, 28814), (275, 28784), (276, 28781), (332, 28661), (335, 28649), (338, 28643), (374, 28538), (384, 28511), (434, 28370), (435, 28364), (437, 28361), (440, 28349), (450, 28322), (451, 28319), (458, 28304), (461, 28298), (466, 28292), (481, 28259), (561, 28130), (584, 28070), (685, 27755), (688, 27746), (689, 27743), (692, 27725), (707, 27683), (709, 27677), (712, 27668), (718, 27653), (735, 27596), (787, 27437), (802, 27407), (804, 27398), (829, 27338), (833, 27314), (846, 27275), (857, 27242), (858, 27230), (874, 27170),

Gene: Mryolo_42 Start: 33954, Stop: 32128, Start Num: 181

Candidate Starts for Mryolo_42:

(Start: 181 @33954 has 918 MA's), (277, 33741), (302, 33678), (311, 33648), (318, 33627), (323, 33621), (328, 33612), (369, 33495), (378, 33468), (438, 33375), (443, 33360), (458, 33327), (483, 33276), (484, 33273), (514, 33207), (530, 33177), (542, 33147), (562, 33102), (583, 33063), (649, 32883), (665, 32835), (677, 32796), (692, 32730), (706, 32691), (722, 32670), (728, 32649), (733, 32631), (757, 32565), (828, 32415), (829, 32412), (836, 32376), (846, 32352), (852, 32343), (856, 32331), (862, 32304), (874, 32256), (884, 32235),

Gene: MsUbiquitous_43 Start: 29585, Stop: 31459, Start Num: 171

Candidate Starts for MsUbiquitous_43:

(Start: 168 @29582 has 7 MA's), (Start: 171 @29585 has 61 MA's), (Start: 219 @29654 has 1 MA's), (227, 29675), (302, 29855), (328, 29921), (341, 29963), (489, 30257), (549, 30392), (594, 30491), (635, 30614), (649, 30674), (650, 30680), (667, 30725), (675, 30755), (683, 30791), (692, 30827), (726, 30920), (758, 31013), (793, 31091), (828, 31163), (836, 31202), (855, 31244), (858, 31262), (874, 31322), (884, 31343),

Gene: MuchMore_51 Start: 31845, Stop: 30031, Start Num: 181

Candidate Starts for MuchMore_51:

(Start: 181 @31845 has 918 MA's), (206, 31806), (214, 31794), (273, 31641), (281, 31626), (302, 31569), (323, 31512), (328, 31503), (341, 31461), (360, 31410), (378, 31359), (438, 31266), (458, 31218), (466, 31209), (472, 31194), (489, 31155), (499, 31128), (514, 31098), (555, 31005), (562, 30993), (584, 30945), (595, 30930), (649, 30774), (677, 30687), (692, 30621), (706, 30582), (729, 30510), (739, 30471), (750, 30447), (757, 30429), (767, 30396), (782, 30369), (816, 30315), (832, 30255), (859, 30177), (874, 30120), (880, 30108), (884, 30099),

Gene: Muddy_44 Start: 34756, Stop: 32411, Start Num: 37

Candidate Starts for Muddy_44:

(Start: 25 @34822 has 1 MA's), (29, 34813), (Start: 35 @34768 has 1 MA's), (Start: 37 @34756 has 1 MA's), (Start: 45 @34717 has 1 MA's), (73, 34558), (82, 34528), (97, 34498), (199, 34330), (255, 34210), (300, 34108), (335, 34027), (355, 33967), (380, 33901), (427, 33769), (492, 33649), (496, 33640), (511, 33628), (570, 33559), (649, 33346), (656, 33292), (678, 33211), (685, 33178), (705, 33112), (707, 33106), (709, 33100), (711, 33094), (718, 33070), (729, 33037), (733, 33022), (735, 33013), (787, 32854), (802, 32824), (832, 32734), (867, 32614), (874, 32587), (896, 32518),

Gene: Mudpuppy_38 Start: 29455, Stop: 31320, Start Num: 181

Candidate Starts for Mudpuppy_38:

(Start: 181 @29455 has 918 MA's), (213, 29503), (311, 29752), (345, 29842), (440, 30049), (443, 30058), (484, 30148), (489, 30157), (494, 30172), (516, 30217), (539, 30262), (560, 30310), (586, 30367), (619, 30448), (643, 30535), (649, 30568), (660, 30598), (677, 30655), (692, 30721), (703, 30745), (726, 30814), (750, 30886), (754, 30895), (799, 30994), (828, 31057), (832, 31081), (868, 31192), (874, 31216), (879, 31225),

Gene: Mulciber_44 Start: 30327, Stop: 28540, Start Num: 181

Candidate Starts for Mulciber_44:

(Start: 181 @30327 has 918 MA's), (273, 30123), (302, 30051), (311, 30021), (323, 29994), (440, 29742), (466, 29691), (499, 29610), (523, 29565), (560, 29481), (586, 29424), (617, 29382), (628, 29337), (649, 29256), (667, 29205), (677, 29169), (692, 29103), (722, 29043), (725, 29031), (760, 28929), (767, 28905), (777, 28887), (816, 28824), (825, 28797), (828, 28788), (832, 28764), (874, 28629), (880, 28617), (884, 28608),

Gene: Mule_42 Start: 32266, Stop: 30440, Start Num: 181

Candidate Starts for Mule_42:

(Start: 181 @32266 has 918 MA's), (277, 32053), (285, 32038), (311, 31960), (318, 31939), (323, 31933), (328, 31924), (358, 31840), (369, 31807), (378, 31780), (438, 31687), (443, 31672), (451, 31651), (458, 31639), (483, 31588), (484, 31585), (514, 31519), (530, 31489), (542, 31459), (562, 31414), (583, 31375), (649, 31195), (665, 31147), (677, 31108), (692, 31042), (728, 30961), (729, 30958), (757, 30877), (828, 30727), (829, 30724), (836, 30688), (852, 30655), (856, 30643), (867, 30595), (874, 30568), (884, 30547),

Gene: Munch_45 Start: 30776, Stop: 28989, Start Num: 181

Candidate Starts for Munch_45:

(Start: 181 @30776 has 918 MA's), (273, 30572), (302, 30500), (311, 30470), (323, 30443), (440, 30191), (466, 30140), (499, 30059), (523, 30014), (586, 29873), (617, 29831), (628, 29786), (649, 29705), (667, 29654), (677, 29618), (692, 29552), (722, 29492), (725, 29480), (760, 29378), (767, 29354), (777, 29336), (816, 29273), (825, 29246), (828, 29237), (832, 29213), (874, 29078), (880, 29066), (884, 29057),

Gene: Mundrea_44 Start: 31530, Stop: 29701, Start Num: 181

Candidate Starts for Mundrea_44:

(Start: 181 @31530 has 918 MA's), (214, 31479), (224, 31449), (291, 31287), (298, 31269), (302, 31254), (323, 31197), (328, 31188), (370, 31068), (378, 31044), (438, 30951), (460, 30903), (472,

30882), (489, 30843), (506, 30798), (549, 30711), (553, 30702), (560, 30690), (583, 30645), (586, 30633), (649, 30459), (680, 30363), (685, 30336), (686, 30333), (692, 30306), (704, 30276), (706, 30267), (728, 30198), (729, 30195), (733, 30180), (739, 30156), (750, 30132), (753, 30126), (832, 29925), (874, 29790), (880, 29778), (884, 29769),

Gene: MunkgeeRoachy_41 Start: 31903, Stop: 29510, Start Num: 20

Candidate Starts for MunkgeeRoachy_41:

(Start: 20 @31903 has 19 MA's), (Start: 35 @31849 has 1 MA's), (43, 31807), (49, 31783), (69, 31657), (73, 31633), (97, 31588), (123, 31537), (132, 31522), (Start: 142 @31501 has 1 MA's), (176, 31453), (204, 31411), (238, 31336), (240, 31324), (274, 31255), (290, 31222), (296, 31207), (312, 31153), (313, 31150), (329, 31132), (335, 31111), (340, 31096), (355, 31051), (404, 30928), (405, 30922), (427, 30853), (440, 30811), (496, 30724), (519, 30700), (542, 30694), (552, 30670), (556, 30661), (563, 30646), (570, 30634), (590, 30592), (596, 30589), (598, 30586), (635, 30490), (648, 30439), (649, 30427), (659, 30370), (661, 30364), (672, 30328), (683, 30271), (692, 30235), (705, 30199), (707, 30193), (709, 30187), (711, 30181), (729, 30124), (735, 30100), (745, 30055), (797, 29920), (873, 29677), (874, 29674), (889, 29629), (891, 29620), (911, 29560),

Gene: Museum_45 Start: 34023, Stop: 32197, Start Num: 181

Candidate Starts for Museum_45:

(Start: 181 @34023 has 918 MA's), (277, 33810), (285, 33795), (302, 33747), (311, 33717), (318, 33696), (323, 33690), (328, 33681), (369, 33564), (378, 33537), (438, 33444), (443, 33429), (458, 33396), (483, 33345), (484, 33342), (514, 33276), (530, 33246), (542, 33216), (562, 33171), (583, 33132), (649, 32952), (665, 32904), (677, 32865), (692, 32799), (706, 32760), (722, 32739), (728, 32718), (733, 32700), (757, 32634), (828, 32484), (829, 32481), (836, 32445), (846, 32421), (852, 32412), (856, 32400), (874, 32325), (884, 32304),

Gene: MyraDee_40 Start: 28864, Stop: 27056, Start Num: 181

Candidate Starts for MyraDee_40:

(Start: 181 @28864 has 918 MA's), (206, 28825), (214, 28813), (259, 28693), (291, 28621), (323, 28531), (328, 28522), (341, 28480), (347, 28462), (360, 28429), (361, 28426), (370, 28402), (378, 28378), (434, 28297), (438, 28285), (448, 28258), (455, 28240), (489, 28174), (506, 28129), (528, 28093), (542, 28060), (553, 28033), (562, 28015), (596, 27949), (618, 27919), (649, 27796), (665, 27748), (692, 27643), (706, 27604), (729, 27535), (739, 27496), (757, 27454), (766, 27424), (837, 27262), (874, 27145), (880, 27133), (884, 27124),

Gene: Mysterium_37 Start: 27509, Stop: 29491, Start Num: 181

Candidate Starts for Mysterium_37:

(Start: 181 @27509 has 918 MA's), (261, 27683), (273, 27713), (293, 27746), (303, 27779), (332, 27854), (340, 27881), (377, 27983), (420, 28082), (489, 28256), (499, 28283), (560, 28412), (619, 28550), (643, 28637), (649, 28670), (660, 28700), (677, 28757), (692, 28823), (726, 28916), (756, 29003), (832, 29183), (839, 29207), (874, 29318), (919, 29426),

Gene: Myxus_45 Start: 31483, Stop: 29690, Start Num: 181

Candidate Starts for Myxus_45:

(Start: 181 @31483 has 918 MA's), (187, 31474), (214, 31432), (259, 31312), (261, 31309), (282, 31261), (303, 31201), (312, 31171), (316, 31159), (323, 31147), (378, 30994), (438, 30901), (499, 30763), (514, 30733), (586, 30574), (595, 30562), (616, 30535), (646, 30427), (649, 30406), (689, 30271), (692, 30253), (728, 30172), (739, 30130), (767, 30055), (813, 29980), (828, 29938), (859, 29836), (874, 29779), (880, 29767), (884, 29758),

Gene: NEHalo_43 Start: 34014, Stop: 32185, Start Num: 181

Candidate Starts for NEHalo_43:

(Start: 181 @34014 has 918 MA's), (277, 33801), (302, 33738), (311, 33708), (318, 33687), (323, 33681), (328, 33672), (369, 33555), (378, 33528), (438, 33435), (443, 33420), (458, 33387), (483, 33336), (484, 33333), (506, 33279), (514, 33267), (530, 33237), (542, 33207), (562, 33162), (583, 33123), (649, 32943), (665, 32895), (680, 32847), (689, 32808), (692, 32790), (706, 32751), (722, 32730), (728, 32709), (732, 32694), (779, 32571), (796, 32538), (853, 32400), (858, 32376), (871, 32328), (874, 32316), (884, 32295), (887, 32289), (903, 32241), (908, 32226),

Gene: NaSiaTalie_44 Start: 31357, Stop: 29570, Start Num: 181

Candidate Starts for NaSiaTalie_44:

(Start: 181 @31357 has 918 MA's), (273, 31153), (275, 31150), (277, 31144), (291, 31114), (302, 31081), (303, 31078), (311, 31051), (323, 31024), (341, 30973), (378, 30871), (438, 30778), (458, 30730), (466, 30721), (472, 30706), (499, 30640), (539, 30559), (560, 30511), (628, 30367), (649, 30286), (667, 30235), (676, 30202), (692, 30133), (706, 30094), (722, 30073), (728, 30052), (731, 30040), (813, 29860), (816, 29854), (828, 29818), (832, 29794), (859, 29716), (874, 29659), (880, 29647),

Gene: Naca_39 Start: 30726, Stop: 28828, Start Num: 152

Candidate Starts for Naca_39:

(Start: 152 @30726 has 2 MA's), (Start: 181 @30693 has 918 MA's), (236, 30582), (273, 30489), (275, 30486), (302, 30417), (303, 30414), (311, 30387), (323, 30360), (328, 30351), (358, 30267), (366, 30243), (378, 30207), (422, 30147), (438, 30111), (458, 30063), (471, 30042), (472, 30039), (497, 29979), (537, 29901), (555, 29853), (562, 29841), (584, 29793), (614, 29742), (649, 29607), (665, 29559), (674, 29541), (677, 29520), (680, 29511), (686, 29481), (692, 29454), (693, 29451), (728, 29373), (733, 29355), (750, 29307), (767, 29256), (796, 29202), (801, 29193), (816, 29175), (837, 29097), (868, 29004), (874, 28980), (880, 28968), (923, 28863),

Gene: Nagem_39 Start: 28930, Stop: 27065, Start Num: 211

Candidate Starts for Nagem_39:

(Start: 140 @29017 has 3 MA's), (Start: 211 @28930 has 115 MA's), (Start: 215 @28921 has 5 MA's), (255, 28816), (259, 28807), (275, 28777), (276, 28774), (332, 28654), (335, 28642), (338, 28636), (374, 28531), (384, 28504), (434, 28363), (435, 28357), (437, 28354), (440, 28342), (450, 28315), (451, 28312), (458, 28297), (461, 28291), (466, 28285), (481, 28252), (561, 28123), (584, 28063), (685, 27748), (688, 27739), (689, 27736), (692, 27718), (707, 27676), (709, 27670), (718, 27646), (735, 27589), (787, 27430), (802, 27400), (804, 27391), (829, 27331), (833, 27307), (846, 27268), (857, 27235), (858, 27223), (874, 27163),

Gene: Naiad_36 Start: 28126, Stop: 26342, Start Num: 181

Candidate Starts for Naiad_36:

(Start: 181 @28126 has 918 MA's), (288, 27892), (299, 27862), (301, 27853), (302, 27850), (316, 27805), (323, 27793), (341, 27742), (378, 27640), (391, 27619), (438, 27547), (455, 27502), (458, 27499), (480, 27457), (482, 27451), (489, 27436), (499, 27409), (549, 27304), (553, 27295), (562, 27277), (564, 27274), (583, 27238), (649, 27058), (665, 27010), (692, 26905), (693, 26902), (722, 26845), (728, 26824), (769, 26701), (816, 26626), (828, 26590), (832, 26566), (859, 26488), (874, 26431), (880, 26419), (894, 26380), (900, 26362),

Gene: Naira_46 Start: 36492, Stop: 34705, Start Num: 181

Candidate Starts for Naira_46:

(Start: 181 @36492 has 918 MA's), (277, 36279), (285, 36264), (302, 36216), (311, 36186), (318, 36165), (323, 36159), (328, 36150), (369, 36033), (378, 36006), (438, 35913), (443, 35898), (483, 35814), (484, 35811), (514, 35745), (530, 35715), (542, 35685), (562, 35640), (583, 35601), (649, 35421), (665, 35373), (677, 35334), (692, 35268), (725, 35196), (728, 35187), (757, 35103), (796, 35016), (846, 34890), (853, 34878), (874, 34794), (878, 34788),

Gene: Naji_47 Start: 31153, Stop: 29330, Start Num: 181

Candidate Starts for Naji_47:

(Start: 181 @31153 has 918 MA's), (273, 30949), (285, 30925), (291, 30907), (298, 30889), (302, 30874), (303, 30871), (311, 30844), (323, 30817), (341, 30766), (378, 30664), (438, 30571), (458, 30523), (466, 30514), (471, 30502), (472, 30499), (499, 30433), (530, 30373), (583, 30259), (595, 30235), (617, 30196), (649, 30070), (667, 30019), (677, 29983), (692, 29917), (706, 29878), (729, 29809), (739, 29770), (758, 29725), (767, 29695), (801, 29632), (816, 29614), (832, 29554), (874, 29419), (880, 29407), (884, 29398),

Gene: Nancinator_36 Start: 28114, Stop: 26330, Start Num: 181

Candidate Starts for Nancinator_36:

(Start: 181 @28114 has 918 MA's), (288, 27880), (299, 27850), (301, 27841), (302, 27838), (316, 27793), (323, 27781), (341, 27730), (378, 27628), (391, 27607), (438, 27535), (455, 27490), (458, 27487), (480, 27445), (482, 27439), (489, 27424), (499, 27397), (549, 27292), (553, 27283), (562, 27265), (583, 27226), (618, 27169), (649, 27046), (665, 26998), (692, 26893), (693, 26890), (722, 26833), (728, 26812), (741, 26764), (769, 26689), (813, 26620), (828, 26578), (832, 26554), (859, 26476), (874, 26419), (880, 26407), (884, 26398), (894, 26368), (900, 26350),

Gene: Natosaleda_36 Start: 28113, Stop: 26329, Start Num: 181

Candidate Starts for Natosaleda_36:

(Start: 181 @28113 has 918 MA's), (288, 27879), (299, 27849), (301, 27840), (302, 27837), (316, 27792), (323, 27780), (341, 27729), (378, 27627), (391, 27606), (438, 27534), (455, 27489), (458, 27486), (480, 27444), (482, 27438), (489, 27423), (499, 27396), (549, 27291), (553, 27282), (562, 27264), (583, 27225), (618, 27168), (649, 27045), (665, 26997), (692, 26892), (693, 26889), (722, 26832), (728, 26811), (741, 26763), (769, 26688), (813, 26619), (828, 26577), (832, 26553), (859, 26475), (874, 26418), (880, 26406), (884, 26397), (894, 26367), (900, 26349),

Gene: Nattles_38 Start: 28619, Stop: 26754, Start Num: 211

Candidate Starts for Nattles_38:

(Start: 140 @28706 has 3 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080), (829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: NearlyHeadless_43 Start: 30653, Stop: 28809, Start Num: 181

Candidate Starts for NearlyHeadless_43:

(Start: 181 @30653 has 918 MA's), (214, 30602), (261, 30479), (273, 30449), (291, 30410), (302, 30377), (311, 30347), (318, 30326), (323, 30320), (328, 30311), (341, 30269), (360, 30218), (377, 30170), (378, 30167), (438, 30071), (448, 30044), (455, 30026), (466, 30014), (489, 29960), (499, 29933), (524, 29885), (549, 29828), (562, 29801), (586, 29750), (596, 29735), (646, 29588), (649, 29567), (660, 29537), (665, 29519), (667, 29516), (674, 29501), (677, 29480), (680, 29471), (685, 29444), (689, 29432), (692, 29414), (728, 29333), (731, 29321), (750, 29267), (763, 29231), (779, 29195), (796, 29162), (813, 29141), (816, 29135), (829, 29096), (832, 29075), (837, 29057), (874, 28940), (880, 28928),

Gene: Nebs_46 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Nebs_46:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649,

30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Nebulosus_46 Start: 29739, Stop: 27949, Start Num: 181

Candidate Starts for Nebulosus_46:

(Start: 181 @29739 has 918 MA's), (261, 29565), (302, 29460), (303, 29457), (311, 29430), (323, 29403), (341, 29352), (378, 29250), (438, 29157), (455, 29112), (458, 29109), (466, 29100), (549, 28911), (583, 28845), (619, 28785), (628, 28746), (644, 28695), (649, 28665), (667, 28614), (676, 28581), (685, 28542), (692, 28512), (722, 28452), (728, 28431), (739, 28389), (751, 28362), (757, 28347), (796, 28260), (828, 28197), (829, 28194), (874, 28038), (880, 28026), (885, 28014),

Gene: Nebulous_37 Start: 30025, Stop: 28133, Start Num: 209

Candidate Starts for Nebulous_37:

(Start: 209 @30025 has 41 MA's), (227, 29980), (247, 29926), (253, 29920), (259, 29902), (276, 29869), (277, 29866), (300, 29815), (302, 29812), (336, 29734), (338, 29731), (353, 29683), (367, 29641), (410, 29539), (419, 29506), (434, 29464), (435, 29458), (437, 29455), (440, 29443), (451, 29413), (468, 29380), (470, 29377), (480, 29356), (568, 29209), (633, 29053), (692, 28786), (705, 28750), (707, 28744), (712, 28729), (733, 28666), (735, 28657), (833, 28375), (834, 28372), (846, 28336), (874, 28231),

Gene: Nedarya_43 Start: 29505, Stop: 27715, Start Num: 181

Candidate Starts for Nedarya_43:

(Start: 181 @29505 has 918 MA's), (277, 29292), (302, 29226), (303, 29223), (311, 29196), (323, 29169), (378, 29016), (438, 28923), (455, 28878), (458, 28875), (472, 28851), (562, 28650), (583, 28611), (619, 28551), (628, 28512), (646, 28452), (649, 28431), (667, 28380), (676, 28347), (685, 28308), (692, 28278), (722, 28218), (728, 28197), (753, 28125), (796, 28026), (828, 27963), (873, 27807), (874, 27804), (880, 27792),

Gene: Neeharika16_45 Start: 29638, Stop: 27797, Start Num: 181

Candidate Starts for Neeharika16_45:

(Start: 181 @29638 has 918 MA's), (273, 29434), (302, 29359), (303, 29356), (311, 29329), (316, 29314), (323, 29302), (341, 29251), (374, 29161), (378, 29149), (438, 29056), (453, 29017), (466, 28999), (472, 28984), (499, 28918), (516, 28885), (517, 28882), (564, 28780), (595, 28720), (628, 28636), (649, 28555), (676, 28471), (677, 28468), (680, 28459), (685, 28432), (692, 28402), (722, 28342), (733, 28303), (828, 28087), (829, 28084), (832, 28063), (874, 27928), (880, 27916), (884, 27907), (885, 27904), (923, 27811),

Gene: Neferthema_38 Start: 29229, Stop: 27331, Start Num: 209

Candidate Starts for Neferthema_38:

(Start: 209 @29229 has 41 MA's), (247, 29130), (253, 29124), (276, 29073), (277, 29070), (300, 29019), (302, 29016), (329, 28962), (330, 28956), (336, 28938), (353, 28887), (393, 28785), (410, 28737), (415, 28716), (419, 28704), (434, 28662), (435, 28656), (437, 28653), (440, 28641), (451, 28611), (461, 28590), (468, 28578), (470, 28575), (480, 28554), (568, 28407), (633, 28251), (692, 27984), (705, 27948), (707, 27942), (712, 27927), (733, 27864), (735, 27855), (745, 27810), (833, 27573), (834, 27570), (846, 27534),

Gene: Nellie_36 Start: 31889, Stop: 30144, Start Num: 200

Candidate Starts for Nellie_36:

(184, 31916), (Start: 200 @31889 has 6 MA's), (203, 31886), (Start: 218 @31853 has 1 MA's), (221, 31847), (256, 31754), (271, 31721), (285, 31694), (337, 31559), (413, 31430), (414, 31424), (427, 31400), (432, 31385), (439, 31358), (450, 31328), (489, 31247), (492, 31238), (520, 31178), (529, 31157), (587, 31043), (599, 31025), (707, 30647), (722, 30629), (740, 30563), (748, 30548), (836, 30329), (853, 30287), (874, 30203), (886, 30170),

Gene: Nemo27_45 Start: 31569, Stop: 29743, Start Num: 181

Candidate Starts for Nemo27_45:

(Start: 181 @31569 has 918 MA's), (195, 31548), (214, 31518), (224, 31488), (291, 31326), (298, 31308), (323, 31236), (328, 31227), (370, 31107), (378, 31083), (438, 30990), (460, 30942), (472, 30921), (489, 30882), (549, 30750), (560, 30729), (583, 30684), (586, 30672), (646, 30519), (649, 30498), (685, 30375), (692, 30345), (706, 30306), (728, 30240), (729, 30237), (733, 30222), (739, 30198), (750, 30174), (832, 29967), (874, 29832), (880, 29820), (884, 29811),

Gene: Nerujay_46 Start: 35102, Stop: 33276, Start Num: 181

Candidate Starts for Nerujay_46:

(Start: 181 @35102 has 918 MA's), (277, 34889), (285, 34874), (311, 34796), (315, 34784), (318, 34775), (323, 34769), (328, 34760), (369, 34643), (378, 34616), (438, 34523), (443, 34508), (458, 34475), (483, 34424), (484, 34421), (514, 34355), (542, 34295), (562, 34250), (583, 34211), (649, 34031), (665, 33983), (677, 33944), (692, 33878), (706, 33839), (722, 33818), (728, 33797), (733, 33779), (757, 33713), (828, 33563), (829, 33560), (836, 33524), (846, 33500), (852, 33491), (856, 33479), (862, 33452), (874, 33404), (884, 33383),

Gene: Nesbitt_42 Start: 30153, Stop: 32018, Start Num: 181

Candidate Starts for Nesbitt_42:

(Start: 181 @30153 has 918 MA's), (213, 30201), (Start: 219 @30222 has 1 MA's), (247, 30297), (310, 30456), (311, 30459), (312, 30462), (318, 30480), (328, 30495), (338, 30525), (341, 30537), (380, 30645), (451, 30765), (472, 30807), (489, 30846), (494, 30861), (496, 30864), (497, 30867), (520, 30912), (531, 30933), (539, 30951), (542, 30960), (560, 30999), (574, 31029), (576, 31041), (597, 31104), (635, 31221), (649, 31281), (665, 31329), (677, 31368), (683, 31398), (692, 31434), (711, 31488), (729, 31536), (750, 31599), (793, 31698), (799, 31707), (824, 31758), (839, 31818), (848, 31836), (868, 31905), (874, 31929), (887, 31956),

Gene: Neuville_40 Start: 28660, Stop: 26870, Start Num: 167

Candidate Starts for Neuville_40:

(129, 28720), (146, 28696), (Start: 158 @28675 has 13 MA's), (167, 28660), (Start: 174 @28651 has 2 MA's), (Start: 232 @28528 has 11 MA's), (252, 28480), (312, 28342), (314, 28336), (335, 28288), (371, 28207), (373, 28201), (381, 28177), (438, 28108), (476, 28027), (489, 28000), (494, 27985), (525, 27922), (550, 27865), (562, 27841), (565, 27835), (583, 27799), (603, 27763), (634, 27691), (646, 27649), (650, 27622), (681, 27526), (686, 27502), (692, 27475), (706, 27436), (730, 27361), (754, 27292), (769, 27244), (782, 27223), (807, 27169), (815, 27154), (833, 27088), (855, 27031), (859, 27010), (860, 27007), (864, 26989), (869, 26974),

Gene: Newrala_45 Start: 29638, Stop: 27797, Start Num: 181

Candidate Starts for Newrala_45:

(Start: 181 @29638 has 918 MA's), (273, 29434), (302, 29359), (303, 29356), (311, 29329), (316, 29314), (323, 29302), (341, 29251), (374, 29161), (378, 29149), (438, 29056), (453, 29017), (466, 28999), (472, 28984), (499, 28918), (516, 28885), (517, 28882), (564, 28780), (595, 28720), (628, 28636), (649, 28555), (676, 28471), (677, 28468), (680, 28459), (685, 28432), (692, 28402), (722, 28342), (733, 28303), (828, 28087), (829, 28084), (832, 28063), (874, 27928), (880, 27916), (884, 27907), (885, 27904), (923, 27811),

Gene: Nhonho_45 Start: 35071, Stop: 33245, Start Num: 181

Candidate Starts for Nhonho_45:

(Start: 181 @35071 has 918 MA's), (277, 34858), (302, 34795), (311, 34765), (318, 34744), (323, 34738), (328, 34729), (369, 34612), (378, 34585), (438, 34492), (443, 34477), (458, 34444), (483, 34393), (484, 34390), (514, 34324), (530, 34294), (542, 34264), (562, 34219), (583, 34180), (649, 34000), (665, 33952), (677, 33913), (692, 33847), (706, 33808), (722, 33787), (728, 33766), (733,

33748), (757, 33682), (828, 33532), (829, 33529), (836, 33493), (846, 33469), (852, 33460), (856, 33448), (862, 33421), (874, 33373), (884, 33352),

Gene: Nibbles_39 Start: 31737, Stop: 29380, Start Num: 26

Candidate Starts for Nibbles_39:

(24, 31746), (Start: 26 @31737 has 25 MA's), (31, 31722), (34, 31686), (58, 31551), (73, 31488), (94, 31446), (99, 31434), (161, 31332), (165, 31329), (214, 31254), (229, 31215), (238, 31194), (263, 31143), (284, 31101), (296, 31071), (312, 31017), (329, 30996), (335, 30975), (357, 30912), (407, 30777), (412, 30762), (421, 30735), (427, 30717), (456, 30633), (492, 30597), (570, 30504), (590, 30462), (596, 30459), (598, 30456), (614, 30432), (618, 30420), (621, 30408), (653, 30267), (659, 30240), (692, 30105), (705, 30069), (707, 30063), (709, 30057), (711, 30051), (718, 30027), (729, 29994), (735, 29970), (745, 29925), (748, 29919), (768, 29859), (817, 29751), (835, 29682), (838, 29670), (848, 29646), (868, 29568), (874, 29544), (896, 29475),

Gene: NickSell_39 Start: 28939, Stop: 27074, Start Num: 211

Candidate Starts for NickSell_39:

(1, 29698), (38, 29395), (Start: 119 @29065 has 1 MA's), (138, 29029), (143, 29023), (Start: 211 @28939 has 115 MA's), (Start: 215 @28930 has 5 MA's), (255, 28825), (259, 28816), (275, 28786), (276, 28783), (332, 28663), (335, 28651), (338, 28645), (374, 28540), (384, 28513), (434, 28372), (435, 28366), (437, 28363), (440, 28351), (450, 28324), (451, 28321), (458, 28306), (461, 28300), (466, 28294), (481, 28261), (584, 28072), (685, 27757), (688, 27748), (689, 27745), (692, 27727), (707, 27685), (709, 27679), (712, 27670), (718, 27655), (735, 27598), (787, 27439), (802, 27409), (804, 27400), (829, 27340), (833, 27316), (846, 27277), (857, 27244), (858, 27232), (874, 27172),

Gene: Nicky22_43 Start: 30033, Stop: 31907, Start Num: 171

Candidate Starts for Nicky22_43:

(Start: 168 @30030 has 7 MA's), (Start: 171 @30033 has 61 MA's), (Start: 219 @30102 has 1 MA's), (227, 30123), (244, 30174), (328, 30369), (341, 30411), (489, 30705), (549, 30840), (594, 30939), (635, 31062), (649, 31122), (650, 31128), (667, 31173), (675, 31203), (683, 31239), (692, 31275), (726, 31368), (758, 31461), (793, 31539), (828, 31611), (836, 31650), (855, 31692), (858, 31710), (868, 31746), (874, 31770), (884, 31791),

Gene: NicoleTera_45 Start: 32018, Stop: 30231, Start Num: 181

Candidate Starts for NicoleTera_45:

(Start: 181 @32018 has 918 MA's), (275, 31811), (286, 31790), (291, 31775), (301, 31745), (302, 31742), (311, 31712), (323, 31685), (332, 31664), (341, 31634), (378, 31532), (438, 31439), (458, 31391), (466, 31382), (499, 31301), (539, 31220), (560, 31172), (595, 31103), (649, 30947), (667, 30896), (676, 30863), (677, 30860), (692, 30794), (706, 30755), (722, 30734), (745, 30659), (750, 30647), (767, 30596), (782, 30569), (801, 30533), (816, 30515), (828, 30479), (832, 30455), (855, 30398), (874, 30320), (880, 30308), (884, 30299),

Gene: Nina_42 Start: 32678, Stop: 30285, Start Num: 20

Candidate Starts for Nina_42:

(Start: 20 @32678 has 19 MA's), (28, 32672), (Start: 35 @32624 has 1 MA's), (43, 32582), (49, 32558), (69, 32432), (73, 32408), (97, 32363), (123, 32312), (132, 32297), (Start: 142 @32276 has 1 MA's), (176, 32228), (Start: 198 @32195 has 6 MA's), (204, 32186), (238, 32111), (240, 32099), (274, 32030), (288, 32003), (290, 31997), (296, 31982), (312, 31928), (313, 31925), (329, 31907), (335, 31886), (355, 31826), (404, 31703), (405, 31697), (427, 31628), (440, 31586), (496, 31499), (519, 31475), (542, 31469), (552, 31445), (556, 31436), (563, 31421), (570, 31409), (590, 31367), (596, 31364), (598, 31361), (618, 31325), (648, 31214), (659, 31145), (661, 31139), (672, 31103), (683, 31046), (692, 31010), (705, 30974), (707, 30968), (709, 30962), (711, 30956), (729, 30899), (735, 30875), (745, 30830), (874, 30449), (889, 30404), (891, 30395), (911, 30335), (922, 30317),

Gene: Niobe_39 Start: 30355, Stop: 32220, Start Num: 181

Candidate Starts for Niobe_39:

(Start: 181 @30355 has 918 MA's), (213, 30403), (290, 30586), (293, 30592), (311, 30652), (318, 30673), (345, 30742), (443, 30958), (484, 31048), (489, 31057), (494, 31072), (516, 31117), (560, 31210), (619, 31348), (649, 31468), (660, 31498), (677, 31555), (690, 31612), (692, 31621), (703, 31645), (726, 31714), (750, 31786), (754, 31795), (799, 31894), (828, 31957), (874, 32116), (879, 32125),

Gene: Nirvana_71 Start: 48873, Stop: 46888, Start Num: 226

Candidate Starts for Nirvana_71:

(212, 48915), (Start: 226 @48873 has 1 MA's), (Start: 231 @48855 has 7 MA's), (268, 48759), (300, 48687), (310, 48651), (328, 48585), (343, 48537), (371, 48459), (373, 48453), (412, 48306), (422, 48270), (428, 48255), (436, 48228), (442, 48207), (444, 48201), (455, 48174), (507, 48039), (535, 47988), (615, 47754), (618, 47745), (622, 47727), (631, 47694), (642, 47664), (671, 47559), (686, 47493), (693, 47463), (696, 47442), (698, 47436), (761, 47274), (801, 47202), (812, 47181), (839, 47085), (845, 47073), (852, 47064), (856, 47052), (859, 47034), (865, 47010), (872, 46986),

Gene: Nitro_40 Start: 30212, Stop: 32077, Start Num: 181

Candidate Starts for Nitro_40:

(Start: 181 @30212 has 918 MA's), (213, 30260), (311, 30509), (345, 30599), (440, 30806), (443, 30815), (483, 30902), (489, 30914), (494, 30929), (539, 31019), (586, 31124), (619, 31205), (649, 31325), (660, 31355), (677, 31412), (692, 31478), (750, 31643), (828, 31814), (832, 31838), (837, 31856), (874, 31973), (879, 31982),

Gene: Niza_47 Start: 35869, Stop: 34082, Start Num: 181

Candidate Starts for Niza_47:

(Start: 181 @35869 has 918 MA's), (277, 35656), (285, 35641), (302, 35593), (311, 35563), (318, 35542), (323, 35536), (328, 35527), (369, 35410), (378, 35383), (438, 35290), (443, 35275), (458, 35242), (483, 35191), (484, 35188), (514, 35122), (530, 35092), (542, 35062), (562, 35017), (583, 34978), (649, 34798), (665, 34750), (677, 34711), (692, 34645), (725, 34573), (728, 34564), (757, 34480), (796, 34393), (846, 34267), (853, 34255), (868, 34195), (874, 34171), (878, 34165),

Gene: NoShow_52 Start: 37810, Stop: 35447, Start Num: 32

Candidate Starts for NoShow_52:

(23, 37861), (Start: 26 @37840 has 25 MA's), (Start: 32 @37810 has 1 MA's), (Start: 35 @37786 has 1 MA's), (44, 37741), (Start: 45 @37735 has 1 MA's), (63, 37630), (66, 37621), (73, 37576), (97, 37531), (123, 37480), (132, 37465), (Start: 142 @37444 has 1 MA's), (291, 37165), (312, 37099), (355, 36997), (399, 36892), (404, 36874), (407, 36859), (426, 36802), (427, 36799), (433, 36781), (440, 36757), (442, 36751), (491, 36682), (492, 36679), (496, 36670), (574, 36580), (575, 36571), (614, 36511), (617, 36502), (619, 36496), (667, 36283), (668, 36280), (678, 36241), (685, 36208), (705, 36142), (707, 36136), (709, 36130), (711, 36124), (729, 36067), (735, 36043), (831, 35776), (857, 35689), (868, 35641), (874, 35617), (896, 35548),

Gene: Nodigi_51 Start: 35275, Stop: 32885, Start Num: 26

Candidate Starts for Nodigi_51:

(8, 35404), (9, 35395), (Start: 26 @35275 has 25 MA's), (50, 35143), (52, 35131), (57, 35086), (73, 35023), (80, 35002), (99, 34969), (132, 34912), (164, 34864), (Start: 172 @34849 has 3 MA's), (204, 34801), (238, 34726), (239, 34720), (240, 34714), (242, 34708), (274, 34639), (287, 34615), (296, 34591), (329, 34516), (335, 34495), (350, 34447), (355, 34435), (372, 34390), (425, 34234), (427, 34228), (496, 34099), (552, 34051), (558, 34039), (596, 33967), (618, 33925), (648, 33814), (653, 33772), (656, 33748), (659, 33739), (672, 33697), (692, 33604), (705, 33568), (707, 33562), (709, 33556), (711, 33550), (729, 33493), (735, 33469), (740, 33451), (768, 33358), (797, 33289), (817, 33250), (829, 33211), (832, 33190), (842, 33157), (851, 33139), (874, 33043), (880, 33019), (922,

32911),

Gene: Noella_44 Start: 31598, Stop: 29760, Start Num: 181

Candidate Starts for Noella_44:

(Start: 181 @31598 has 918 MA's), (214, 31547), (273, 31394), (302, 31322), (311, 31292), (323, 31265), (328, 31256), (378, 31112), (438, 31016), (460, 30968), (489, 30908), (531, 30821), (549, 30776), (560, 30755), (596, 30683), (618, 30641), (628, 30599), (649, 30518), (665, 30470), (677, 30431), (685, 30395), (692, 30365), (704, 30335), (729, 30254), (739, 30215), (750, 30191), (757, 30173), (758, 30170), (816, 30044), (832, 29984), (862, 29897), (874, 29849), (880, 29837), (884, 29828),

Gene: Noelle_45 Start: 31832, Stop: 30003, Start Num: 181

Candidate Starts for Noelle_45:

(Start: 181 @31832 has 918 MA's), (204, 31796), (273, 31628), (291, 31589), (298, 31571), (299, 31568), (323, 31499), (328, 31490), (370, 31370), (378, 31346), (438, 31253), (460, 31205), (489, 31145), (506, 31100), (510, 31094), (549, 31013), (560, 30992), (583, 30947), (646, 30782), (649, 30761), (680, 30665), (685, 30638), (686, 30635), (692, 30608), (706, 30569), (729, 30497), (733, 30482), (739, 30458), (748, 30440), (750, 30434), (753, 30428), (832, 30227), (874, 30092), (880, 30080), (884, 30071),

Gene: Norbert_43 Start: 31597, Stop: 29759, Start Num: 181

Candidate Starts for Norbert_43:

(Start: 181 @31597 has 918 MA's), (214, 31546), (273, 31393), (302, 31321), (311, 31291), (323, 31264), (328, 31255), (378, 31111), (438, 31015), (460, 30967), (489, 30907), (531, 30820), (549, 30775), (560, 30754), (596, 30682), (618, 30640), (628, 30598), (649, 30517), (665, 30469), (677, 30430), (685, 30394), (692, 30364), (704, 30334), (729, 30253), (739, 30214), (750, 30190), (757, 30172), (758, 30169), (816, 30043), (832, 29983), (862, 29896), (874, 29848), (880, 29836), (884, 29827),

Gene: NorthStar_44 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for NorthStar_44:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Norz_45 Start: 34915, Stop: 33089, Start Num: 181

Candidate Starts for Norz_45:

(Start: 181 @34915 has 918 MA's), (277, 34702), (285, 34687), (302, 34639), (311, 34609), (318, 34588), (323, 34582), (328, 34573), (369, 34456), (378, 34429), (438, 34336), (443, 34321), (483, 34237), (484, 34234), (514, 34168), (530, 34138), (542, 34108), (562, 34063), (583, 34024), (649, 33844), (660, 33814), (665, 33796), (677, 33757), (692, 33691), (728, 33610), (729, 33607), (757, 33526), (828, 33376), (829, 33373), (836, 33337), (846, 33313), (852, 33304), (856, 33292), (874, 33217), (884, 33196),

Gene: NotAPhaseMom_45 Start: 31574, Stop: 29748, Start Num: 181

Candidate Starts for NotAPhaseMom_45:

(Start: 181 @31574 has 918 MA's), (195, 31553), (214, 31523), (224, 31493), (291, 31331), (298, 31313), (323, 31241), (328, 31232), (370, 31112), (378, 31088), (438, 30995), (460, 30947), (472, 30926), (489, 30887), (549, 30755), (560, 30734), (583, 30689), (586, 30677), (646, 30524), (649, 30503), (685, 30380), (692, 30350), (706, 30311), (728, 30245), (729, 30242), (733, 30227), (739, 30203), (750, 30179), (832, 29972), (874, 29837), (880, 29825), (884, 29816),

Gene: NothingSpecial_43 Start: 32022, Stop: 30235, Start Num: 181

Candidate Starts for NothingSpecial_43:

(Start: 181 @32022 has 918 MA's), (275, 31815), (277, 31809), (291, 31779), (302, 31746), (303, 31743), (311, 31716), (323, 31689), (328, 31680), (378, 31536), (438, 31443), (458, 31395), (466, 31386), (472, 31371), (499, 31305), (539, 31224), (560, 31176), (649, 30951), (667, 30900), (676, 30867), (692, 30798), (706, 30759), (722, 30738), (728, 30717), (816, 30519), (828, 30483), (832, 30459), (859, 30381), (874, 30324), (880, 30312), (884, 30303),

Gene: Noxious_45 Start: 35549, Stop: 33723, Start Num: 181

Candidate Starts for Noxious_45:

(Start: 181 @35549 has 918 MA's), (277, 35336), (285, 35321), (311, 35243), (318, 35222), (323, 35216), (328, 35207), (369, 35090), (378, 35063), (438, 34970), (443, 34955), (483, 34871), (484, 34868), (514, 34802), (542, 34742), (562, 34697), (583, 34658), (649, 34478), (665, 34430), (677, 34391), (692, 34325), (706, 34286), (722, 34265), (728, 34244), (733, 34226), (757, 34160), (825, 34019), (828, 34010), (829, 34007), (836, 33971), (846, 33947), (852, 33938), (856, 33926), (874, 33851), (884, 33830),

Gene: Nucci_37 Start: 28513, Stop: 26612, Start Num: 209

Candidate Starts for Nucci_37:

(Start: 209 @28513 has 41 MA's), (259, 28390), (267, 28375), (275, 28360), (291, 28327), (296, 28318), (300, 28303), (312, 28267), (326, 28252), (335, 28225), (338, 28219), (354, 28168), (367, 28129), (393, 28069), (434, 27943), (437, 27934), (440, 27922), (451, 27892), (461, 27871), (480, 27835), (568, 27688), (584, 27643), (633, 27532), (675, 27337), (685, 27295), (692, 27265), (707, 27223), (718, 27193), (725, 27172), (735, 27136), (829, 26878), (833, 26854), (844, 26821), (846, 26815), (874, 26710),

Gene: Nyxis_45 Start: 31460, Stop: 29634, Start Num: 181

Candidate Starts for Nyxis_45:

(Start: 181 @31460 has 918 MA's), (195, 31439), (214, 31409), (224, 31379), (291, 31217), (298, 31199), (323, 31127), (328, 31118), (370, 30998), (378, 30974), (438, 30881), (460, 30833), (472, 30812), (489, 30773), (549, 30641), (560, 30620), (583, 30575), (586, 30563), (646, 30410), (649, 30389), (685, 30266), (692, 30236), (706, 30197), (728, 30131), (729, 30128), (733, 30113), (739, 30089), (750, 30065), (832, 29858), (874, 29723), (880, 29711), (884, 29702),

Gene: OKCentral2016_43 Start: 30827, Stop: 28992, Start Num: 181

Candidate Starts for OKCentral2016_43:

(Start: 181 @30827 has 918 MA's), (214, 30776), (238, 30710), (273, 30623), (285, 30599), (299, 30563), (302, 30551), (323, 30494), (328, 30485), (358, 30401), (370, 30365), (374, 30353), (377, 30344), (378, 30341), (438, 30248), (460, 30200), (489, 30140), (499, 30113), (510, 30089), (548, 30011), (549, 30008), (560, 29987), (562, 29981), (596, 29915), (618, 29873), (649, 29750), (665, 29702), (685, 29627), (692, 29597), (706, 29558), (729, 29486), (739, 29447), (750, 29423), (753, 29417), (757, 29405), (805, 29297), (832, 29216), (839, 29192), (862, 29129), (874, 29081), (880, 29069), (884, 29060),

Gene: OKaNui_45 Start: 31620, Stop: 29794, Start Num: 181

Candidate Starts for OKaNui_45:

(Start: 181 @31620 has 918 MA's), (195, 31599), (214, 31569), (224, 31539), (291, 31377), (298, 31359), (323, 31287), (328, 31278), (378, 31134), (438, 31041), (460, 30993), (472, 30972), (489, 30933), (549, 30801), (560, 30780), (583, 30735), (586, 30723), (646, 30570), (649, 30549), (685, 30426), (692, 30396), (706, 30357), (728, 30291), (729, 30288), (733, 30273), (739, 30249), (750, 30225), (832, 30018), (874, 29883), (880, 29871), (884, 29862),

Gene: Oats_38 Start: 28632, Stop: 26767, Start Num: 211

Candidate Starts for Oats_38:

(Start: 140 @28719 has 3 MA's), (Start: 211 @28632 has 115 MA's), (Start: 215 @28623 has 5 MA's), (255, 28518), (259, 28509), (275, 28479), (276, 28476), (332, 28356), (335, 28344), (338, 28338), (374, 28233), (384, 28206), (434, 28065), (435, 28059), (437, 28056), (440, 28044), (450, 28017), (451, 28014), (458, 27999), (461, 27993), (466, 27987), (481, 27954), (584, 27765), (685, 27450), (688, 27441), (689, 27438), (692, 27420), (707, 27378), (709, 27372), (712, 27363), (718, 27348), (735, 27291), (787, 27132), (802, 27102), (804, 27093), (829, 27033), (833, 27009), (846, 26970), (857, 26937), (858, 26925), (874, 26865),

Gene: Obama12_46 Start: 31994, Stop: 30168, Start Num: 181

Candidate Starts for Obama12_46:

(Start: 181 @31994 has 918 MA's), (213, 31946), (273, 31790), (302, 31718), (323, 31661), (328, 31652), (370, 31532), (378, 31508), (438, 31415), (460, 31367), (472, 31346), (489, 31307), (506, 31262), (549, 31175), (553, 31166), (560, 31154), (583, 31109), (586, 31097), (646, 30944), (649, 30923), (685, 30800), (692, 30770), (706, 30731), (728, 30665), (729, 30662), (739, 30623), (750, 30599), (832, 30392), (874, 30257), (880, 30245), (884, 30236),

Gene: ObiToo_46 Start: 30468, Stop: 32333, Start Num: 181

Candidate Starts for ObiToo_46:

(81, 30285), (Start: 126 @30390 has 1 MA's), (Start: 181 @30468 has 918 MA's), (213, 30516), (277, 30681), (290, 30699), (311, 30765), (318, 30786), (440, 31062), (443, 31071), (489, 31170), (494, 31185), (539, 31275), (560, 31323), (586, 31380), (619, 31461), (649, 31581), (677, 31668), (690, 31725), (692, 31734), (799, 32007), (874, 32229),

Gene: Odin_44 Start: 30188, Stop: 28356, Start Num: 181

Candidate Starts for Odin_44:

(Start: 181 @30188 has 918 MA's), (273, 29984), (282, 29966), (303, 29906), (309, 29885), (311, 29879), (315, 29867), (323, 29852), (333, 29828), (378, 29699), (422, 29639), (433, 29621), (438, 29606), (466, 29549), (499, 29468), (524, 29420), (560, 29339), (649, 29114), (677, 29027), (685, 28991), (692, 28961), (706, 28922), (722, 28901), (728, 28880), (733, 28862), (767, 28763), (782, 28736), (801, 28700), (816, 28682), (828, 28646), (832, 28622), (874, 28487), (880, 28475), (884, 28466), (885, 28463), (900, 28418), (914, 28388),

Gene: Ohfah_46 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Ohfah_46:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Ohno789_45 Start: 35178, Stop: 33352, Start Num: 181

Candidate Starts for Ohno789_45:

(Start: 181 @35178 has 918 MA's), (277, 34965), (302, 34902), (311, 34872), (318, 34851), (323, 34845), (328, 34836), (369, 34719), (378, 34692), (438, 34599), (443, 34584), (483, 34500), (484, 34497), (514, 34431), (542, 34371), (562, 34326), (583, 34287), (649, 34107), (665, 34059), (677, 34020), (692, 33954), (706, 33915), (722, 33894), (728, 33873), (733, 33855), (757, 33789), (828, 33639), (829, 33636), (836, 33600), (846, 33576), (852, 33567), (856, 33555), (874, 33480), (884, 33459),

Gene: OlanP_47 Start: 31923, Stop: 30109, Start Num: 181

Candidate Starts for OlanP_47:

(Start: 181 @31923 has 918 MA's), (206, 31884), (214, 31872), (273, 31719), (281, 31704), (302, 31647), (323, 31590), (328, 31581), (341, 31539), (360, 31488), (378, 31437), (438, 31344), (458, 31296), (472, 31272), (489, 31233), (499, 31206), (514, 31176), (555, 31083), (562, 31071), (584, 31023), (586, 31020), (595, 31008), (649, 30852), (667, 30801), (676, 30768), (677, 30765), (692, 30699), (706, 30660), (729, 30588), (739, 30549), (750, 30525), (757, 30507), (767, 30474), (816, 30393), (832, 30333), (837, 30315), (859, 30255), (862, 30246), (874, 30198), (880, 30186), (884, 30177),

Gene: OldNelly_39 Start: 28936, Stop: 27071, Start Num: 211

Candidate Starts for OldNelly_39:

(Start: 140 @29023 has 3 MA's), (Start: 211 @28936 has 115 MA's), (Start: 215 @28927 has 5 MA's), (255, 28822), (259, 28813), (275, 28783), (276, 28780), (332, 28660), (335, 28648), (338, 28642), (374, 28537), (384, 28510), (434, 28369), (435, 28363), (437, 28360), (440, 28348), (450, 28321), (451, 28318), (458, 28303), (461, 28297), (466, 28291), (481, 28258), (561, 28129), (584, 28069), (685, 27754), (688, 27745), (689, 27742), (692, 27724), (707, 27682), (709, 27676), (712, 27667), (718, 27652), (735, 27595), (787, 27436), (802, 27406), (804, 27397), (829, 27337), (833, 27313), (846, 27274), (857, 27241), (858, 27229), (874, 27169),

Gene: Ollie_48 Start: 31724, Stop: 29910, Start Num: 181

Candidate Starts for Ollie_48:

(Start: 181 @31724 has 918 MA's), (206, 31685), (214, 31673), (273, 31520), (281, 31505), (302, 31448), (323, 31391), (328, 31382), (341, 31340), (360, 31289), (378, 31238), (438, 31145), (458, 31097), (466, 31088), (472, 31073), (489, 31034), (499, 31007), (514, 30977), (555, 30884), (562, 30872), (584, 30824), (595, 30809), (649, 30653), (665, 30605), (677, 30566), (692, 30500), (706, 30461), (729, 30389), (739, 30350), (750, 30326), (757, 30308), (767, 30275), (782, 30248), (816, 30194), (832, 30134), (859, 30056), (874, 29999), (880, 29987), (884, 29978),

Gene: Olliecat_39 Start: 28106, Stop: 29989, Start Num: 172

Candidate Starts for Olliecat_39:

(Start: 172 @28106 has 3 MA's), (195, 28127), (Start: 219 @28175 has 1 MA's), (227, 28196), (273, 28313), (302, 28376), (311, 28406), (318, 28427), (328, 28442), (332, 28454), (366, 28535), (371, 28550), (450, 28706), (467, 28736), (489, 28787), (497, 28808), (500, 28817), (547, 28916), (649, 29204), (650, 29210), (674, 29270), (677, 29291), (683, 29321), (686, 29330), (692, 29357), (726, 29450), (733, 29474), (757, 29540), (758, 29543), (793, 29621), (796, 29627), (820, 29672), (839, 29741), (855, 29774), (857, 29780), (858, 29792), (859, 29795), (874, 29852), (882, 29867), (884, 29873), (918, 29954),

Gene: Onglai_43 Start: 29824, Stop: 28031, Start Num: 181

Candidate Starts for Onglai_43:

(Start: 181 @29824 has 918 MA's), (187, 29815), (214, 29773), (259, 29653), (261, 29650), (282, 29602), (303, 29542), (312, 29512), (316, 29500), (323, 29488), (378, 29335), (438, 29242), (499, 29104), (514, 29074), (586, 28915), (595, 28903), (616, 28876), (646, 28768), (649, 28747), (689, 28612), (692, 28594), (728, 28513), (739, 28471), (767, 28396), (813, 28321), (828, 28279), (859, 28177), (874, 28120), (880, 28108), (884, 28099),

Gene: Oofda_47 Start: 29834, Stop: 28044, Start Num: 181

Candidate Starts for Oofda_47:

(Start: 181 @29834 has 918 MA's), (302, 29555), (303, 29552), (311, 29525), (323, 29498), (341, 29447), (378, 29345), (438, 29252), (453, 29213), (466, 29195), (549, 29006), (583, 28940), (619, 28880), (628, 28841), (644, 28790), (646, 28781), (649, 28760), (667, 28709), (676, 28676), (683, 28643), (685, 28637), (692, 28607), (722, 28547), (728, 28526), (739, 28484), (751, 28457), (796, 28355), (828, 28292), (829, 28289), (874, 28133), (880, 28121), (885, 28109),

Gene: Oogway_42 Start: 33561, Stop: 31732, Start Num: 181

Candidate Starts for Oogway_42:

(Start: 181 @33561 has 918 MA's), (277, 33348), (285, 33333), (311, 33255), (318, 33234), (323, 33228), (328, 33219), (369, 33102), (378, 33075), (438, 32982), (443, 32967), (458, 32934), (483, 32883), (484, 32880), (514, 32814), (530, 32784), (542, 32754), (562, 32709), (583, 32670), (649, 32490), (665, 32442), (680, 32394), (689, 32355), (692, 32337), (706, 32298), (722, 32277), (728, 32256), (732, 32241), (779, 32118), (853, 31947), (858, 31923), (871, 31875), (874, 31863), (884, 31842), (887, 31836), (903, 31788), (908, 31773),

Gene: Orange_44 Start: 30325, Stop: 28538, Start Num: 181

Candidate Starts for Orange_44:

(Start: 181 @30325 has 918 MA's), (273, 30121), (302, 30049), (311, 30019), (323, 29992), (440, 29740), (466, 29689), (499, 29608), (523, 29563), (560, 29479), (586, 29422), (617, 29380), (628, 29335), (649, 29254), (667, 29203), (677, 29167), (692, 29101), (722, 29041), (725, 29029), (760, 28927), (767, 28903), (777, 28885), (816, 28822), (825, 28795), (828, 28786), (832, 28762), (874, 28627), (880, 28615), (884, 28606),

Gene: Origami_47 Start: 30472, Stop: 32334, Start Num: 180

Candidate Starts for Origami_47:

(Start: 180 @30472 has 21 MA's), (213, 30520), (277, 30685), (311, 30769), (338, 30835), (447, 31081), (489, 31171), (555, 31318), (560, 31324), (597, 31408), (649, 31582), (676, 31666), (683, 31699), (726, 31828), (729, 31837), (765, 31939), (832, 32095), (839, 32119), (853, 32146), (857, 32158), (874, 32230),

Gene: Orla_51 Start: 35183, Stop: 32787, Start Num: 26

Candidate Starts for Orla_51:

(8, 35312), (9, 35303), (Start: 26 @35183 has 25 MA's), (50, 35051), (52, 35039), (57, 34994), (73, 34931), (80, 34910), (99, 34877), (132, 34820), (164, 34772), (Start: 172 @34757 has 3 MA's), (204, 34709), (238, 34634), (239, 34628), (240, 34622), (242, 34616), (274, 34547), (287, 34523), (296, 34499), (329, 34424), (335, 34403), (350, 34355), (355, 34343), (372, 34298), (425, 34142), (427, 34136), (496, 34007), (552, 33959), (558, 33947), (596, 33875), (618, 33833), (648, 33722), (653, 33680), (656, 33656), (659, 33647), (672, 33605), (692, 33512), (705, 33476), (707, 33470), (709, 33464), (711, 33458), (729, 33401), (735, 33377), (740, 33359), (768, 33266), (797, 33197), (817, 33158), (829, 33119), (832, 33098), (842, 33065), (851, 33047), (874, 32951), (880, 32927), (894, 32888), (922, 32819),

Gene: Oxtober96_39 Start: 28935, Stop: 27070, Start Num: 211

Candidate Starts for Oxtober96_39:

(Start: 140 @29022 has 3 MA's), (Start: 142 @29019 has 1 MA's), (197, 28950), (Start: 211 @28935 has 115 MA's), (Start: 215 @28926 has 5 MA's), (255, 28821), (259, 28812), (275, 28782), (276, 28779), (332, 28659), (335, 28647), (338, 28641), (374, 28536), (384, 28509), (434, 28368), (437, 28359), (440, 28347), (450, 28320), (451, 28317), (458, 28302), (461, 28296), (466, 28290), (481, 28257), (584, 28068), (685, 27753), (688, 27744), (689, 27741), (692, 27723), (707, 27681), (709, 27675), (718, 27651), (735, 27594), (787, 27435), (802, 27405), (804, 27396), (829, 27336), (833, 27312), (846, 27273), (857, 27240), (858, 27228), (874, 27168),

Gene: P28Green_49 Start: 31855, Stop: 30041, Start Num: 181

Candidate Starts for P28Green_49:

(Start: 181 @31855 has 918 MA's), (206, 31816), (214, 31804), (273, 31651), (281, 31636), (302, 31579), (323, 31522), (328, 31513), (341, 31471), (360, 31420), (378, 31369), (438, 31276), (458, 31228), (466, 31219), (472, 31204), (489, 31165), (499, 31138), (514, 31108), (555, 31015), (584, 30955), (595, 30940), (649, 30784), (677, 30697), (692, 30631), (706, 30592), (729, 30520), (739, 30481), (750, 30457), (757, 30439), (767, 30406), (782, 30379), (816, 30325), (832, 30265), (859,

30187), (874, 30130), (880, 30118), (884, 30109),

Gene: PGHhamlin_50 Start: 31845, Stop: 30031, Start Num: 181

Candidate Starts for PGHhamlin_50:

(Start: 181 @31845 has 918 MA's), (206, 31806), (214, 31794), (273, 31641), (281, 31626), (302, 31569), (323, 31512), (328, 31503), (341, 31461), (360, 31410), (378, 31359), (438, 31266), (458, 31218), (466, 31209), (472, 31194), (489, 31155), (499, 31128), (514, 31098), (555, 31005), (562, 30993), (584, 30945), (595, 30930), (649, 30774), (677, 30687), (692, 30621), (706, 30582), (729, 30510), (739, 30471), (750, 30447), (757, 30429), (767, 30396), (782, 30369), (816, 30315), (832, 30255), (859, 30177), (874, 30120), (880, 30108), (884, 30099),

Gene: PP_46 Start: 35109, Stop: 33271, Start Num: 181

Candidate Starts for PP_46:

(Start: 181 @35109 has 918 MA's), (214, 35058), (273, 34905), (277, 34896), (285, 34881), (299, 34845), (323, 34776), (328, 34767), (332, 34755), (378, 34623), (438, 34527), (460, 34479), (466, 34473), (489, 34419), (560, 34266), (583, 34221), (649, 34029), (660, 33999), (689, 33894), (692, 33876), (693, 33873), (706, 33837), (729, 33765), (733, 33750), (756, 33687), (813, 33561), (832, 33495), (874, 33360), (880, 33348), (884, 33339),

Gene: PSirce_38 Start: 28735, Stop: 26870, Start Num: 209

Candidate Starts for PSirce_38:

(Start: 209 @28735 has 41 MA's), (227, 28690), (247, 28636), (277, 28576), (300, 28525), (335, 28447), (338, 28441), (351, 28396), (353, 28393), (354, 28390), (367, 28351), (393, 28291), (434, 28168), (437, 28159), (440, 28147), (444, 28135), (451, 28117), (461, 28096), (468, 28084), (568, 27913), (639, 27745), (680, 27580), (688, 27544), (692, 27523), (707, 27481), (735, 27394), (745, 27349), (781, 27250), (802, 27205), (804, 27196), (829, 27136), (833, 27112), (844, 27079), (874, 26968),

Gene: PSullivan_44 Start: 33947, Stop: 32121, Start Num: 181

Candidate Starts for PSullivan_44:

(Start: 181 @33947 has 918 MA's), (277, 33734), (285, 33719), (302, 33671), (311, 33641), (318, 33620), (323, 33614), (328, 33605), (369, 33488), (378, 33461), (438, 33368), (443, 33353), (451, 33332), (483, 33269), (484, 33266), (514, 33200), (530, 33170), (542, 33140), (562, 33095), (583, 33056), (649, 32876), (660, 32846), (665, 32828), (667, 32825), (677, 32789), (692, 32723), (706, 32684), (722, 32663), (728, 32642), (733, 32624), (757, 32558), (828, 32408), (829, 32405), (836, 32369), (852, 32336), (856, 32324), (874, 32249), (884, 32228),

Gene: PacerPaul_45 Start: 34817, Stop: 32991, Start Num: 181

Candidate Starts for PacerPaul_45:

(Start: 181 @34817 has 918 MA's), (277, 34604), (285, 34589), (311, 34511), (318, 34490), (323, 34484), (328, 34475), (369, 34358), (378, 34331), (438, 34238), (443, 34223), (458, 34190), (483, 34139), (484, 34136), (514, 34070), (530, 34040), (542, 34010), (562, 33965), (583, 33926), (649, 33746), (660, 33716), (665, 33698), (667, 33695), (677, 33659), (692, 33593), (728, 33512), (729, 33509), (757, 33428), (822, 33293), (828, 33278), (829, 33275), (836, 33239), (846, 33215), (852, 33206), (856, 33194), (862, 33167), (874, 33119), (884, 33098),

Gene: PackMan_44 Start: 31483, Stop: 29690, Start Num: 181

Candidate Starts for PackMan_44:

(Start: 181 @31483 has 918 MA's), (187, 31474), (214, 31432), (259, 31312), (261, 31309), (282, 31261), (303, 31201), (312, 31171), (316, 31159), (323, 31147), (378, 30994), (438, 30901), (499, 30763), (514, 30733), (586, 30574), (595, 30562), (616, 30535), (646, 30427), (649, 30406), (689, 30271), (692, 30253), (728, 30172), (739, 30130), (767, 30055), (813, 29980), (828, 29938), (859, 29836), (874, 29779), (880, 29767), (884, 29758),

Gene: PainterBoy_45 Start: 30908, Stop: 29076, Start Num: 181

Candidate Starts for PainterBoy_45:

(Start: 181 @30908 has 918 MA's), (273, 30704), (275, 30701), (291, 30665), (302, 30632), (303, 30629), (311, 30602), (318, 30581), (323, 30575), (328, 30566), (341, 30524), (370, 30446), (378, 30422), (438, 30329), (514, 30161), (616, 29963), (649, 29834), (680, 29738), (689, 29699), (692, 29681), (725, 29609), (728, 29600), (779, 29462), (825, 29375), (828, 29366), (859, 29264), (874, 29207), (880, 29195), (923, 29090),

Gene: Pajaza_35 Start: 27722, Stop: 25905, Start Num: 208

Candidate Starts for Pajaza_35:

(Start: 208 @27722 has 4 MA's), (216, 27707), (335, 27431), (338, 27425), (406, 27290), (411, 27275), (435, 27197), (437, 27194), (440, 27182), (451, 27152), (480, 27095), (568, 26948), (642, 26768), (675, 26630), (688, 26579), (689, 26576), (692, 26558), (693, 26555), (707, 26516), (735, 26429), (743, 26402), (787, 26270), (833, 26147), (844, 26114), (846, 26108), (851, 26099), (874, 26003), (875, 25997),

Gene: Palestino_44 Start: 31570, Stop: 29741, Start Num: 181

Candidate Starts for Palestino_44:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (506, 30838), (510, 30832), (549, 30751), (560, 30730), (583, 30685), (646, 30520), (649, 30499), (692, 30346), (705, 30310), (706, 30307), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: Panamaxus_42 Start: 31597, Stop: 29759, Start Num: 181

Candidate Starts for Panamaxus_42:

(Start: 181 @31597 has 918 MA's), (214, 31546), (273, 31393), (302, 31321), (311, 31291), (323, 31264), (328, 31255), (378, 31111), (438, 31015), (460, 30967), (489, 30907), (531, 30820), (549, 30775), (560, 30754), (596, 30682), (618, 30640), (628, 30598), (649, 30517), (665, 30469), (677, 30430), (685, 30394), (692, 30364), (704, 30334), (729, 30253), (739, 30214), (750, 30190), (757, 30172), (758, 30169), (816, 30043), (832, 29983), (862, 29896), (874, 29848), (880, 29836), (884, 29827),

Gene: Panchaali_95 Start: 75288, Stop: 77090, Start Num: 186

Candidate Starts for Panchaali_95:

(Start: 186 @75288 has 1 MA's), (Start: 223 @75357 has 1 MA's), (Start: 232 @75390 has 11 MA's), (244, 75417), (259, 75450), (295, 75525), (312, 75582), (326, 75606), (338, 75639), (366, 75699), (476, 75891), (489, 75918), (491, 75924), (494, 75933), (521, 75987), (583, 76119), (624, 76215), (634, 76248), (646, 76287), (649, 76308), (650, 76314), (676, 76398), (683, 76431), (705, 76515), (706, 76518), (726, 76581), (730, 76593), (739, 76629), (754, 76662), (774, 76716), (783, 76734), (820, 76818), (828, 76839), (833, 76866), (837, 76881), (855, 76920), (858, 76938), (862, 76950), (864, 76962), (874, 76998),

Gene: Papafritta_38 Start: 28640, Stop: 26775, Start Num: 211

Candidate Starts for Papafritta_38:

(Start: 140 @28727 has 3 MA's), (Start: 142 @28724 has 1 MA's), (Start: 211 @28640 has 115 MA's), (Start: 215 @28631 has 5 MA's), (255, 28526), (259, 28517), (275, 28487), (276, 28484), (332, 28364), (335, 28352), (338, 28346), (374, 28241), (384, 28214), (434, 28073), (435, 28067), (437, 28064), (440, 28052), (450, 28025), (451, 28022), (458, 28007), (461, 28001), (466, 27995), (481, 27962), (561, 27833), (584, 27773), (685, 27458), (688, 27449), (689, 27446), (692, 27428), (707, 27386), (709, 27380), (712, 27371), (718, 27356), (735, 27299), (787, 27140), (802, 27110), (804, 27101), (829, 27041), (833, 27017), (846, 26978), (857, 26945), (858, 26933), (874, 26873),

Gene: Papez_47 Start: 36969, Stop: 35152, Start Num: 181

Candidate Starts for Papez_47:

(Start: 181 @36969 has 918 MA's), (277, 36756), (302, 36693), (311, 36663), (318, 36642), (323, 36636), (328, 36627), (360, 36534), (369, 36510), (378, 36483), (438, 36390), (443, 36375), (458, 36342), (483, 36291), (484, 36288), (514, 36222), (542, 36162), (562, 36117), (583, 36078), (649, 35898), (665, 35850), (676, 35814), (677, 35811), (692, 35745), (706, 35706), (722, 35685), (728, 35664), (733, 35646), (757, 35580), (828, 35430), (829, 35427), (836, 35391), (846, 35367), (852, 35358), (856, 35346), (874, 35271), (884, 35250),

Gene: Paphu_43 Start: 34328, Stop: 32499, Start Num: 181

Candidate Starts for Paphu_43:

(Start: 181 @34328 has 918 MA's), (277, 34115), (285, 34100), (311, 34022), (318, 34001), (323, 33995), (328, 33986), (369, 33869), (378, 33842), (438, 33749), (443, 33734), (458, 33701), (483, 33650), (484, 33647), (514, 33581), (530, 33551), (542, 33521), (562, 33476), (583, 33437), (649, 33257), (665, 33209), (680, 33161), (689, 33122), (692, 33104), (706, 33065), (722, 33044), (728, 33023), (732, 33008), (779, 32885), (853, 32714), (858, 32690), (871, 32642), (874, 32630), (884, 32609), (887, 32603), (903, 32555), (908, 32540),

Gene: Paraselene_43 Start: 34680, Stop: 32854, Start Num: 181

Candidate Starts for Paraselene_43:

(Start: 181 @34680 has 918 MA's), (277, 34467), (285, 34452), (302, 34404), (311, 34374), (318, 34353), (323, 34347), (328, 34338), (369, 34221), (378, 34194), (438, 34101), (443, 34086), (458, 34053), (483, 34002), (484, 33999), (514, 33933), (530, 33903), (542, 33873), (562, 33828), (583, 33789), (649, 33609), (665, 33561), (677, 33522), (692, 33456), (706, 33417), (722, 33396), (728, 33375), (733, 33357), (757, 33291), (828, 33141), (829, 33138), (836, 33102), (846, 33078), (852, 33069), (856, 33057), (874, 32982), (884, 32961),

Gene: Pari_45 Start: 34105, Stop: 32279, Start Num: 181

Candidate Starts for Pari_45:

(Start: 181 @34105 has 918 MA's), (277, 33892), (285, 33877), (302, 33829), (311, 33799), (318, 33778), (323, 33772), (328, 33763), (369, 33646), (378, 33619), (438, 33526), (443, 33511), (483, 33427), (484, 33424), (514, 33358), (530, 33328), (542, 33298), (562, 33253), (583, 33214), (649, 33034), (665, 32986), (677, 32947), (692, 32881), (706, 32842), (722, 32821), (728, 32800), (733, 32782), (757, 32716), (828, 32566), (829, 32563), (836, 32527), (852, 32494), (856, 32482), (874, 32407), (884, 32386),

Gene: ParleG_39 Start: 28937, Stop: 27072, Start Num: 211

Candidate Starts for ParleG_39:

(Start: 140 @29024 has 3 MA's), (Start: 142 @29021 has 1 MA's), (Start: 211 @28937 has 115 MA's), (Start: 215 @28928 has 5 MA's), (255, 28823), (259, 28814), (275, 28784), (276, 28781), (332, 28661), (335, 28649), (338, 28643), (374, 28538), (384, 28511), (434, 28370), (435, 28364), (437, 28361), (440, 28349), (450, 28322), (451, 28319), (458, 28304), (461, 28298), (466, 28292), (481, 28259), (561, 28130), (584, 28070), (685, 27755), (688, 27746), (689, 27743), (692, 27725), (707, 27683), (709, 27677), (712, 27668), (718, 27653), (735, 27596), (787, 27437), (802, 27407), (804, 27398), (829, 27338), (833, 27314), (846, 27275), (857, 27242), (858, 27230), (874, 27170),

Gene: Parliament_44 Start: 34876, Stop: 33050, Start Num: 181

Candidate Starts for Parliament_44:

(Start: 181 @34876 has 918 MA's), (277, 34663), (302, 34600), (311, 34570), (318, 34549), (323, 34543), (328, 34534), (369, 34417), (378, 34390), (438, 34297), (443, 34282), (483, 34198), (484, 34195), (514, 34129), (530, 34099), (542, 34069), (562, 34024), (583, 33985), (649, 33805), (665, 33757), (667, 33754), (677, 33718), (692, 33652), (706, 33613), (722, 33592), (728, 33571), (733,

33553), (757, 33487), (828, 33337), (829, 33334), (836, 33298), (846, 33274), (852, 33265), (856, 33253), (874, 33178), (884, 33157),

Gene: Partridge_36 Start: 28196, Stop: 26412, Start Num: 181

Candidate Starts for Partridge_36:

(Start: 181 @28196 has 918 MA's), (259, 28025), (288, 27962), (301, 27923), (316, 27875), (323, 27863), (328, 27854), (378, 27710), (438, 27617), (458, 27569), (489, 27506), (499, 27479), (549, 27374), (562, 27347), (583, 27308), (649, 27128), (665, 27080), (692, 26975), (693, 26972), (722, 26915), (728, 26894), (741, 26846), (769, 26771), (813, 26702), (828, 26660), (829, 26657), (832, 26636), (836, 26621), (859, 26558), (874, 26501), (880, 26489), (894, 26450), (900, 26432),

Gene: PascalRango_45 Start: 34446, Stop: 32620, Start Num: 181

Candidate Starts for PascalRango_45:

(Start: 181 @34446 has 918 MA's), (277, 34233), (285, 34218), (302, 34170), (311, 34140), (318, 34119), (323, 34113), (328, 34104), (369, 33987), (378, 33960), (438, 33867), (443, 33852), (483, 33768), (484, 33765), (514, 33699), (530, 33669), (542, 33639), (562, 33594), (583, 33555), (649, 33375), (660, 33345), (665, 33327), (677, 33288), (692, 33222), (728, 33141), (729, 33138), (757, 33057), (828, 32907), (829, 32904), (836, 32868), (846, 32844), (852, 32835), (856, 32823), (874, 32748), (884, 32727),

Gene: PastaFagioli_43 Start: 30294, Stop: 32099, Start Num: 219

Candidate Starts for PastaFagioli_43:

(100, 30102), (108, 30114), (117, 30132), (141, 30177), (Start: 171 @30225 has 61 MA's), (Start: 219 @30294 has 1 MA's), (332, 30573), (333, 30576), (366, 30657), (440, 30789), (530, 30984), (594, 31131), (635, 31254), (649, 31314), (650, 31320), (667, 31365), (674, 31380), (675, 31395), (683, 31431), (692, 31467), (726, 31560), (731, 31578), (739, 31608), (793, 31731), (828, 31803), (836, 31842), (855, 31884), (868, 31938), (874, 31962), (880, 31974), (884, 31983), (892, 32007),

Gene: Patbob_100 Start: 78526, Stop: 80328, Start Num: 190

Candidate Starts for Patbob_100:

(Start: 190 @78526 has 7 MA's), (Start: 223 @78589 has 1 MA's), (227, 78601), (268, 78712), (295, 78766), (326, 78847), (335, 78874), (338, 78880), (369, 78949), (381, 78985), (438, 79054), (476, 79132), (489, 79159), (494, 79174), (583, 79363), (608, 79408), (618, 79432), (620, 79441), (624, 79459), (634, 79492), (646, 79531), (649, 79552), (650, 79558), (683, 79672), (705, 79756), (711, 79774), (726, 79822), (730, 79834), (739, 79870), (754, 79903), (757, 79912), (774, 79957), (783, 79975), (820, 80059), (828, 80080), (833, 80107), (858, 80179), (864, 80203), (874, 80239), (884, 80266),

Gene: PattyP_45 Start: 34329, Stop: 32500, Start Num: 181

Candidate Starts for PattyP_45:

(Start: 181 @34329 has 918 MA's), (277, 34116), (285, 34101), (302, 34053), (311, 34023), (318, 34002), (323, 33996), (328, 33987), (358, 33903), (369, 33870), (378, 33843), (438, 33750), (443, 33735), (483, 33651), (484, 33648), (514, 33582), (530, 33552), (542, 33522), (562, 33477), (583, 33438), (649, 33258), (665, 33210), (680, 33162), (689, 33123), (692, 33105), (706, 33066), (722, 33045), (728, 33024), (732, 33009), (779, 32886), (853, 32715), (858, 32691), (871, 32643), (874, 32631), (884, 32610), (887, 32604), (903, 32556), (908, 32541),

Gene: PauloDiaboli_117 Start: 81175, Stop: 79307, Start Num: 186

Candidate Starts for PauloDiaboli_117:

(135, 81250), (Start: 168 @81196 has 7 MA's), (Start: 175 @81187 has 2 MA's), (Start: 186 @81175 has 1 MA's), (263, 80977), (275, 80950), (295, 80911), (314, 80848), (326, 80830), (335, 80803), (338, 80797), (381, 80689), (441, 80611), (449, 80590), (463, 80557), (476, 80527), (489, 80500), (516, 80440), (565, 80335), (583, 80302), (618, 80233), (620, 80224), (649, 80113), (682, 79999), (704,

79915), (708, 79900), (739, 79789), (741, 79783), (748, 79771), (754, 79756), (798, 79654), (803, 79645), (832, 79555), (846, 79516), (853, 79504), (859, 79477), (874, 79420), (884, 79396),

Gene: Pawn_48 Start: 31757, Stop: 29943, Start Num: 181

Candidate Starts for Pawn_48:

(Start: 181 @31757 has 918 MA's), (206, 31718), (214, 31706), (273, 31553), (281, 31538), (302, 31481), (323, 31424), (328, 31415), (341, 31373), (360, 31322), (378, 31271), (438, 31178), (458, 31130), (472, 31106), (489, 31067), (499, 31040), (514, 31010), (555, 30917), (562, 30905), (584, 30857), (595, 30842), (649, 30686), (667, 30635), (676, 30602), (677, 30599), (692, 30533), (706, 30494), (729, 30422), (739, 30383), (750, 30359), (757, 30341), (767, 30308), (816, 30227), (832, 30167), (837, 30149), (859, 30089), (862, 30080), (874, 30032), (880, 30020), (884, 30011),

Gene: Payneful_44 Start: 33908, Stop: 32082, Start Num: 181

Candidate Starts for Payneful_44:

(Start: 181 @33908 has 918 MA's), (277, 33695), (285, 33680), (311, 33602), (318, 33581), (323, 33575), (328, 33566), (369, 33449), (378, 33422), (438, 33329), (443, 33314), (483, 33230), (484, 33227), (514, 33161), (530, 33131), (542, 33101), (562, 33056), (583, 33017), (649, 32837), (660, 32807), (665, 32789), (667, 32786), (677, 32750), (692, 32684), (728, 32603), (729, 32600), (757, 32519), (828, 32369), (829, 32366), (836, 32330), (846, 32306), (852, 32297), (856, 32285), (862, 32258), (874, 32210), (884, 32189),

Gene: PeaceMeal1_42 Start: 30387, Stop: 28555, Start Num: 181

Candidate Starts for PeaceMeal1_42:

(Start: 181 @30387 has 918 MA's), (214, 30336), (238, 30270), (273, 30183), (277, 30174), (299, 30123), (302, 30111), (323, 30054), (353, 29973), (358, 29961), (360, 29952), (370, 29925), (378, 29901), (438, 29808), (453, 29769), (489, 29700), (499, 29673), (562, 29541), (649, 29313), (674, 29247), (685, 29190), (692, 29160), (706, 29121), (729, 29049), (733, 29034), (739, 29010), (757, 28968), (767, 28935), (832, 28779), (839, 28755), (862, 28692), (874, 28644), (880, 28632), (884, 28623),

Gene: Peaches_45 Start: 31569, Stop: 29743, Start Num: 181

Candidate Starts for Peaches_45:

(Start: 181 @31569 has 918 MA's), (195, 31548), (214, 31518), (224, 31488), (291, 31326), (298, 31308), (323, 31236), (328, 31227), (370, 31107), (378, 31083), (438, 30990), (460, 30942), (472, 30921), (489, 30882), (549, 30750), (560, 30729), (583, 30684), (586, 30672), (646, 30519), (649, 30498), (685, 30375), (692, 30345), (706, 30306), (728, 30240), (729, 30237), (733, 30222), (739, 30198), (750, 30174), (832, 29967), (874, 29832), (880, 29820), (884, 29811),

Gene: Pecas_43 Start: 29785, Stop: 31659, Start Num: 171

Candidate Starts for Pecas_43:

(Start: 168 @29782 has 7 MA's), (Start: 171 @29785 has 61 MA's), (Start: 219 @29854 has 1 MA's), (227, 29875), (236, 29899), (302, 30055), (328, 30121), (489, 30457), (549, 30592), (594, 30691), (635, 30814), (649, 30874), (650, 30880), (667, 30925), (674, 30940), (675, 30955), (683, 30991), (692, 31027), (726, 31120), (758, 31213), (793, 31291), (828, 31363), (836, 31402), (855, 31444), (858, 31462), (874, 31522), (884, 31543),

Gene: Peep_39 Start: 28922, Stop: 27057, Start Num: 211

Candidate Starts for Peep_39:

(Start: 140 @29009 has 3 MA's), (Start: 142 @29006 has 1 MA's), (Start: 211 @28922 has 115 MA's), (Start: 215 @28913 has 5 MA's), (255, 28808), (259, 28799), (275, 28769), (276, 28766), (332, 28646), (335, 28634), (338, 28628), (374, 28523), (384, 28496), (434, 28355), (435, 28349), (437, 28346), (440, 28334), (450, 28307), (451, 28304), (458, 28289), (461, 28283), (466, 28277), (481, 28244), (561, 28115), (584, 28055), (648, 27890), (685, 27740), (688, 27731), (689, 27728), (692, 27710),

(707, 27668), (709, 27662), (712, 27653), (718, 27638), (735, 27581), (787, 27422), (802, 27392), (804, 27383), (829, 27323), (833, 27299), (846, 27260), (857, 27227), (858, 27215), (874, 27155),

Gene: Pelly_44 Start: 34856, Stop: 33030, Start Num: 181

Candidate Starts for Pelly_44:

(Start: 181 @34856 has 918 MA's), (285, 34628), (302, 34580), (311, 34550), (318, 34529), (323, 34523), (328, 34514), (369, 34397), (378, 34370), (438, 34277), (443, 34262), (458, 34229), (483, 34178), (484, 34175), (506, 34121), (514, 34109), (530, 34079), (542, 34049), (562, 34004), (583, 33965), (649, 33785), (665, 33737), (677, 33698), (692, 33632), (706, 33593), (722, 33572), (728, 33551), (733, 33533), (757, 33467), (828, 33317), (829, 33314), (836, 33278), (846, 33254), (856, 33233), (862, 33206), (874, 33158), (884, 33137),

Gene: Pembroke_48 Start: 31854, Stop: 30040, Start Num: 181

Candidate Starts for Pembroke_48:

(Start: 181 @31854 has 918 MA's), (206, 31815), (214, 31803), (273, 31650), (281, 31635), (302, 31578), (323, 31521), (328, 31512), (341, 31470), (360, 31419), (378, 31368), (438, 31275), (458, 31227), (466, 31218), (472, 31203), (489, 31164), (499, 31137), (514, 31107), (555, 31014), (562, 31002), (584, 30954), (595, 30939), (649, 30783), (677, 30696), (692, 30630), (706, 30591), (729, 30519), (739, 30480), (750, 30456), (757, 30438), (767, 30405), (782, 30378), (816, 30324), (832, 30264), (859, 30186), (874, 30129), (880, 30117), (884, 30108),

Gene: Penny1_49 Start: 31856, Stop: 30042, Start Num: 181

Candidate Starts for Penny1_49:

(Start: 181 @31856 has 918 MA's), (206, 31817), (214, 31805), (273, 31652), (281, 31637), (302, 31580), (323, 31523), (328, 31514), (341, 31472), (360, 31421), (378, 31370), (438, 31277), (458, 31229), (466, 31220), (472, 31205), (489, 31166), (499, 31139), (514, 31109), (555, 31016), (584, 30956), (595, 30941), (649, 30785), (677, 30698), (692, 30632), (706, 30593), (729, 30521), (739, 30482), (750, 30458), (757, 30440), (767, 30407), (782, 30380), (816, 30326), (832, 30266), (859, 30188), (874, 30131), (880, 30119), (884, 30110),

Gene: Penta_35 Start: 27010, Stop: 25109, Start Num: 208

Candidate Starts for Penta_35:

(Start: 208 @27010 has 4 MA's), (259, 26887), (275, 26857), (277, 26851), (298, 26809), (300, 26800), (329, 26743), (332, 26734), (335, 26722), (338, 26716), (410, 26515), (434, 26440), (437, 26431), (440, 26419), (451, 26389), (461, 26368), (468, 26356), (480, 26332), (570, 26182), (648, 25975), (654, 25921), (680, 25819), (683, 25798), (692, 25762), (705, 25726), (707, 25720), (735, 25633), (743, 25606), (787, 25474), (804, 25435), (817, 25414), (829, 25375), (833, 25351), (835, 25345), (844, 25318), (874, 25207),

Gene: Pepe_42 Start: 33016, Stop: 31229, Start Num: 181

Candidate Starts for Pepe_42:

(Start: 181 @33016 has 918 MA's), (277, 32803), (285, 32788), (302, 32740), (311, 32710), (318, 32689), (323, 32683), (328, 32674), (369, 32557), (378, 32530), (438, 32437), (443, 32422), (483, 32338), (484, 32335), (514, 32269), (530, 32239), (542, 32209), (562, 32164), (583, 32125), (649, 31945), (665, 31897), (677, 31858), (692, 31792), (725, 31720), (728, 31711), (757, 31627), (796, 31540), (846, 31414), (853, 31402), (868, 31342), (874, 31318), (878, 31312),

Gene: Peppino_38 Start: 29047, Stop: 27182, Start Num: 211

Candidate Starts for Peppino_38:

(Start: 211 @29047 has 115 MA's), (Start: 215 @29038 has 5 MA's), (330, 28774), (335, 28759), (338, 28753), (384, 28621), (406, 28567), (434, 28480), (437, 28471), (440, 28459), (450, 28432), (451, 28429), (458, 28414), (461, 28408), (630, 28078), (685, 27865), (688, 27856), (689, 27853), (692, 27835), (707, 27793), (712, 27778), (735, 27706), (743, 27679), (787, 27547), (802, 27517), (829,

27448), (833, 27424), (835, 27418), (846, 27385), (857, 27352), (858, 27340),

Gene: Percival_49 Start: 32475, Stop: 34340, Start Num: 180

Candidate Starts for Percival_49:

(Start: 102 @32349 has 1 MA's), (138, 32418), (Start: 180 @32475 has 21 MA's), (311, 32772), (366, 32916), (440, 33069), (489, 33177), (499, 33204), (531, 33264), (555, 33324), (560, 33330), (586, 33387), (588, 33393), (628, 33507), (649, 33588), (672, 33651), (683, 33705), (685, 33711), (741, 33888), (750, 33906), (754, 33915), (758, 33927), (796, 34011), (837, 34119), (857, 34164), (874, 34236), (905, 34314), (920, 34335),

Gene: Perplexer_44 Start: 31519, Stop: 29690, Start Num: 181

Candidate Starts for Perplexer_44:

(Start: 181 @31519 has 918 MA's), (214, 31468), (224, 31438), (291, 31276), (298, 31258), (302, 31243), (323, 31186), (328, 31177), (370, 31057), (378, 31033), (414, 30991), (438, 30940), (460, 30892), (472, 30871), (489, 30832), (506, 30787), (510, 30781), (549, 30700), (560, 30679), (583, 30634), (646, 30469), (649, 30448), (692, 30295), (706, 30256), (729, 30184), (733, 30169), (739, 30145), (748, 30127), (750, 30121), (753, 30115), (832, 29914), (874, 29779), (880, 29767), (884, 29758),

Gene: Perseus_45 Start: 35152, Stop: 33323, Start Num: 181

Candidate Starts for Perseus_45:

(Start: 181 @35152 has 918 MA's), (277, 34939), (285, 34924), (311, 34846), (318, 34825), (323, 34819), (328, 34810), (358, 34726), (369, 34693), (378, 34666), (438, 34573), (443, 34558), (451, 34537), (458, 34525), (483, 34474), (484, 34471), (514, 34405), (530, 34375), (542, 34345), (562, 34300), (583, 34261), (649, 34081), (665, 34033), (680, 33985), (689, 33946), (692, 33928), (706, 33889), (722, 33868), (728, 33847), (732, 33832), (779, 33709), (853, 33538), (858, 33514), (871, 33466), (874, 33454), (884, 33433), (887, 33427), (903, 33379), (908, 33364),

Gene: PeterPeter_45 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for PeterPeter_45:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: Petersenfast_43 Start: 30332, Stop: 28545, Start Num: 181

Candidate Starts for Petersenfast_43:

(Start: 181 @30332 has 918 MA's), (273, 30128), (302, 30056), (311, 30026), (323, 29999), (440, 29747), (466, 29696), (499, 29615), (523, 29570), (524, 29567), (560, 29486), (586, 29429), (617, 29387), (628, 29342), (649, 29261), (667, 29210), (677, 29174), (692, 29108), (722, 29048), (725, 29036), (760, 28934), (767, 28910), (777, 28892), (816, 28829), (825, 28802), (828, 28793), (832, 28769), (874, 28634), (880, 28622), (884, 28613),

Gene: Peterson_48 Start: 37027, Stop: 35201, Start Num: 181

Candidate Starts for Peterson_48:

(Start: 181 @37027 has 918 MA's), (277, 36814), (285, 36799), (311, 36721), (323, 36694), (369, 36568), (378, 36541), (438, 36448), (443, 36433), (458, 36400), (483, 36349), (484, 36346), (514, 36280), (530, 36250), (542, 36220), (562, 36175), (583, 36136), (649, 35956), (665, 35908), (677, 35869), (692, 35803), (706, 35764), (722, 35743), (728, 35722), (733, 35704), (757, 35638), (828, 35488), (829, 35485), (836, 35449), (846, 35425), (852, 35416), (856, 35404), (874, 35329), (884, 35308),

Gene: PetiteSangsue_44 Start: 31522, Stop: 29693, Start Num: 181

Candidate Starts for PetiteSangsue_44:

(Start: 181 @31522 has 918 MA's), (214, 31471), (224, 31441), (291, 31279), (298, 31261), (302, 31246), (323, 31189), (328, 31180), (370, 31060), (378, 31036), (414, 30994), (438, 30943), (460, 30895), (472, 30874), (489, 30835), (506, 30790), (510, 30784), (549, 30703), (560, 30682), (583, 30637), (646, 30472), (649, 30451), (692, 30298), (706, 30259), (729, 30187), (733, 30172), (739, 30148), (748, 30130), (750, 30124), (753, 30118), (832, 29917), (874, 29782), (880, 29770), (884, 29761),

Gene: Petp2012_45 Start: 34941, Stop: 33115, Start Num: 181

Candidate Starts for Petp2012_45:

(Start: 181 @34941 has 918 MA's), (277, 34728), (285, 34713), (302, 34665), (311, 34635), (318, 34614), (323, 34608), (328, 34599), (369, 34482), (378, 34455), (438, 34362), (443, 34347), (451, 34326), (483, 34263), (484, 34260), (514, 34194), (530, 34164), (542, 34134), (562, 34089), (583, 34050), (649, 33870), (665, 33822), (677, 33783), (692, 33717), (706, 33678), (722, 33657), (728, 33636), (733, 33618), (757, 33552), (828, 33402), (829, 33399), (836, 33363), (846, 33339), (852, 33330), (856, 33318), (874, 33243), (884, 33222),

Gene: Petruchio_45 Start: 34801, Stop: 32972, Start Num: 181

Candidate Starts for Petruchio_45:

(Start: 181 @34801 has 918 MA's), (277, 34588), (285, 34573), (302, 34525), (311, 34495), (318, 34474), (323, 34468), (328, 34459), (369, 34342), (378, 34315), (438, 34222), (443, 34207), (458, 34174), (483, 34123), (484, 34120), (506, 34066), (514, 34054), (530, 34024), (542, 33994), (562, 33949), (583, 33910), (649, 33730), (665, 33682), (680, 33634), (689, 33595), (692, 33577), (706, 33538), (722, 33517), (728, 33496), (732, 33481), (779, 33358), (853, 33187), (858, 33163), (871, 33115), (874, 33103), (884, 33082), (887, 33076), (903, 33028), (908, 33013),

Gene: PetterN_40 Start: 30056, Stop: 28191, Start Num: 181

Candidate Starts for PetterN_40:

(127, 30131), (Start: 152 @30089 has 2 MA's), (Start: 181 @30056 has 918 MA's), (236, 29945), (273, 29852), (275, 29849), (302, 29780), (303, 29777), (311, 29750), (323, 29723), (328, 29714), (358, 29630), (360, 29621), (366, 29606), (378, 29570), (422, 29510), (438, 29474), (458, 29426), (471, 29405), (472, 29402), (497, 29342), (537, 29264), (555, 29216), (562, 29204), (584, 29156), (614, 29105), (649, 28970), (665, 28922), (677, 28883), (680, 28874), (686, 28844), (692, 28817), (693, 28814), (728, 28736), (733, 28718), (750, 28670), (767, 28619), (796, 28565), (801, 28556), (816, 28538), (837, 28460), (874, 28343), (880, 28331), (923, 28226),

Gene: Ph8s_46 Start: 30526, Stop: 28739, Start Num: 181

Candidate Starts for Ph8s_46:

(Start: 181 @30526 has 918 MA's), (273, 30322), (302, 30250), (303, 30247), (311, 30220), (323, 30193), (332, 30172), (378, 30040), (438, 29947), (458, 29899), (499, 29809), (524, 29761), (649, 29455), (676, 29371), (677, 29368), (685, 29332), (692, 29302), (706, 29263), (722, 29242), (725, 29230), (728, 29221), (731, 29209), (767, 29104), (782, 29077), (801, 29041), (816, 29023), (828, 28987), (832, 28963), (874, 28828), (880, 28816), (884, 28807),

Gene: Phacado_45 Start: 31569, Stop: 29743, Start Num: 181

Candidate Starts for Phacado_45:

(Start: 181 @31569 has 918 MA's), (195, 31548), (214, 31518), (224, 31488), (291, 31326), (298, 31308), (323, 31236), (328, 31227), (370, 31107), (378, 31083), (438, 30990), (460, 30942), (472, 30921), (489, 30882), (549, 30750), (560, 30729), (583, 30684), (586, 30672), (646, 30519), (649, 30498), (685, 30375), (692, 30345), (706, 30306), (728, 30240), (729, 30237), (733, 30222), (739, 30198), (750, 30174), (832, 29967), (874, 29832), (880, 29820), (884, 29811),

Gene: Phaded_46 Start: 32625, Stop: 30835, Start Num: 181

Candidate Starts for Phaded_46:

(Start: 181 @32625 has 918 MA's), (273, 32421), (277, 32412), (303, 32343), (311, 32316), (323, 32289), (378, 32136), (438, 32043), (458, 31995), (466, 31986), (472, 31971), (499, 31905), (516, 31872), (553, 31788), (595, 31707), (617, 31677), (649, 31551), (660, 31521), (667, 31500), (685, 31428), (692, 31398), (706, 31359), (722, 31338), (728, 31317), (731, 31305), (801, 31137), (828, 31083), (832, 31059), (855, 31002), (859, 30981), (874, 30924), (880, 30912), (884, 30903),

Gene: Phaeder_45 Start: 31483, Stop: 29690, Start Num: 181

Candidate Starts for Phaeder_45:

(Start: 181 @31483 has 918 MA's), (187, 31474), (214, 31432), (259, 31312), (261, 31309), (282, 31261), (303, 31201), (312, 31171), (316, 31159), (323, 31147), (378, 30994), (438, 30901), (499, 30763), (514, 30733), (586, 30574), (595, 30562), (616, 30535), (646, 30427), (649, 30406), (689, 30271), (692, 30253), (728, 30172), (739, 30130), (767, 30055), (813, 29980), (828, 29938), (859, 29836), (874, 29779), (880, 29767), (884, 29758),

Gene: PhailMary_35 Start: 28435, Stop: 26651, Start Num: 181

Candidate Starts for PhailMary_35:

(Start: 181 @28435 has 918 MA's), (288, 28201), (299, 28171), (301, 28162), (302, 28159), (316, 28114), (323, 28102), (328, 28093), (341, 28051), (378, 27949), (391, 27928), (438, 27856), (455, 27811), (458, 27808), (480, 27766), (482, 27760), (489, 27745), (499, 27718), (549, 27613), (553, 27604), (562, 27586), (583, 27547), (618, 27490), (649, 27367), (665, 27319), (692, 27214), (693, 27211), (722, 27154), (728, 27133), (741, 27085), (769, 27010), (813, 26941), (828, 26899), (832, 26875), (859, 26797), (874, 26740), (880, 26728), (900, 26671),

Gene: Phanita_38 Start: 28715, Stop: 26850, Start Num: 209

Candidate Starts for Phanita_38:

(Start: 209 @28715 has 41 MA's), (247, 28616), (277, 28556), (300, 28505), (335, 28427), (338, 28421), (351, 28376), (353, 28373), (354, 28370), (367, 28331), (393, 28271), (434, 28148), (437, 28139), (440, 28127), (444, 28115), (451, 28097), (461, 28076), (468, 28064), (568, 27893), (639, 27725), (680, 27560), (688, 27524), (692, 27503), (707, 27461), (735, 27374), (745, 27329), (781, 27230), (802, 27185), (829, 27116), (833, 27092), (844, 27059), (874, 26948),

Gene: Phantastic_46 Start: 31173, Stop: 29335, Start Num: 181

Candidate Starts for Phantastic_46:

(133, 31245), (Start: 181 @31173 has 918 MA's), (214, 31122), (273, 30969), (302, 30897), (323, 30840), (328, 30831), (332, 30819), (370, 30711), (378, 30687), (438, 30591), (460, 30543), (489, 30483), (517, 30420), (549, 30351), (560, 30330), (595, 30261), (618, 30216), (649, 30093), (665, 30045), (685, 29970), (692, 29940), (729, 29829), (733, 29814), (739, 29790), (750, 29766), (757, 29748), (813, 29625), (816, 29619), (825, 29592), (832, 29559), (874, 29424), (880, 29412), (884, 29403),

Gene: Pharaoh_39 Start: 30968, Stop: 29124, Start Num: 181

Candidate Starts for Pharaoh_39:

(Start: 181 @30968 has 918 MA's), (195, 30947), (204, 30932), (213, 30920), (277, 30755), (291, 30722), (302, 30689), (303, 30686), (311, 30659), (323, 30632), (332, 30611), (378, 30479), (438, 30386), (458, 30338), (466, 30329), (472, 30314), (489, 30275), (499, 30248), (524, 30200), (553, 30131), (595, 30050), (617, 30008), (634, 29945), (649, 29882), (667, 29831), (677, 29795), (685, 29759), (692, 29729), (706, 29690), (722, 29669), (728, 29648), (767, 29531), (801, 29468), (828, 29414), (832, 29390), (855, 29333), (859, 29312), (874, 29255), (880, 29243), (900, 29186),

Gene: Phelipe_46 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Phelipe_46:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Phendrix_176 Start: 96123, Stop: 94333, Start Num: 181

Candidate Starts for Phendrix_176:

(Start: 181 @96123 has 918 MA's), (227, 96036), (241, 95994), (266, 95937), (315, 95814), (316, 95811), (330, 95784), (340, 95754), (358, 95727), (376, 95673), (381, 95658), (420, 95628), (438, 95589), (447, 95565), (452, 95553), (476, 95505), (489, 95478), (494, 95463), (521, 95409), (542, 95364), (562, 95319), (619, 95220), (620, 95214), (646, 95118), (649, 95097), (666, 95046), (683, 94980), (716, 94860), (726, 94830), (737, 94791), (739, 94782), (748, 94764), (754, 94749), (757, 94740), (759, 94734), (761, 94728), (780, 94686), (790, 94665), (822, 94587), (825, 94581), (842, 94518), (854, 94494), (871, 94419), (874, 94407), (894, 94356),

Gene: Pherbot_37 Start: 28480, Stop: 26630, Start Num: 207

Candidate Starts for Pherbot_37:

(Start: 207 @28480 has 19 MA's), (259, 28357), (276, 28324), (329, 28213), (335, 28192), (338, 28186), (354, 28135), (415, 27979), (434, 27925), (435, 27919), (437, 27916), (440, 27904), (451, 27874), (480, 27817), (568, 27670), (630, 27523), (685, 27313), (689, 27301), (692, 27283), (707, 27241), (712, 27226), (725, 27190), (735, 27154), (802, 26965), (804, 26956), (829, 26896), (833, 26872), (839, 26851), (844, 26839), (874, 26728),

Gene: Pherferi_39 Start: 28930, Stop: 27065, Start Num: 211

Candidate Starts for Pherferi_39:

(Start: 140 @29017 has 3 MA's), (Start: 142 @29014 has 1 MA's), (Start: 211 @28930 has 115 MA's), (Start: 215 @28921 has 5 MA's), (255, 28816), (259, 28807), (275, 28777), (276, 28774), (332, 28654), (335, 28642), (338, 28636), (374, 28531), (384, 28504), (434, 28363), (435, 28357), (437, 28354), (440, 28342), (450, 28315), (451, 28312), (458, 28297), (461, 28291), (466, 28285), (481, 28252), (584, 28063), (685, 27748), (688, 27739), (689, 27736), (692, 27718), (707, 27676), (709, 27670), (712, 27661), (718, 27646), (735, 27589), (787, 27430), (802, 27400), (804, 27391), (829, 27331), (833, 27307), (846, 27268), (857, 27235), (858, 27223), (874, 27163),

Gene: PherrisBueller_44 Start: 33917, Stop: 32091, Start Num: 181

Candidate Starts for PherrisBueller_44:

(Start: 181 @33917 has 918 MA's), (277, 33704), (285, 33689), (302, 33641), (311, 33611), (318, 33590), (323, 33584), (328, 33575), (369, 33458), (378, 33431), (438, 33338), (443, 33323), (483, 33239), (484, 33236), (514, 33170), (530, 33140), (542, 33110), (562, 33065), (583, 33026), (649, 32846), (665, 32798), (677, 32759), (692, 32693), (706, 32654), (722, 32633), (728, 32612), (733, 32594), (757, 32528), (828, 32378), (829, 32375), (836, 32339), (846, 32315), (852, 32306), (856, 32294), (862, 32267), (874, 32219), (884, 32198),

Gene: Phiderman_39 Start: 28927, Stop: 27062, Start Num: 211

Candidate Starts for Phiderman_39:

(Start: 140 @29014 has 3 MA's), (Start: 142 @29011 has 1 MA's), (Start: 211 @28927 has 115 MA's), (Start: 215 @28918 has 5 MA's), (255, 28813), (259, 28804), (275, 28774), (276, 28771), (332, 28651), (335, 28639), (338, 28633), (374, 28528), (384, 28501), (434, 28360), (435, 28354), (437, 28351), (440, 28339), (450, 28312), (451, 28309), (458, 28294), (461, 28288), (466, 28282), (481, 28249), (584, 28060), (685, 27745), (688, 27736), (689, 27733), (692, 27715), (707, 27673), (709, 27667), (712, 27658), (718, 27643), (735, 27586), (787, 27427), (802, 27397), (804, 27388), (829, 27328), (833, 27304), (846, 27265), (857, 27232), (858, 27220), (874, 27160),

Gene: PhigPhack_43 Start: 29405, Stop: 31279, Start Num: 171

Candidate Starts for PhigPhack_43:

(Start: 171 @29405 has 61 MA's), (Start: 219 @29474 has 1 MA's), (227, 29495), (328, 29741), (333, 29756), (341, 29783), (489, 30077), (549, 30212), (594, 30311), (635, 30434), (649, 30494), (650, 30500), (667, 30545), (674, 30560), (675, 30575), (683, 30611), (692, 30647), (726, 30740), (758, 30833), (793, 30911), (828, 30983), (836, 31022), (855, 31064), (858, 31082), (868, 31118), (874, 31142), (884, 31163),

Gene: Phighter1804_45 Start: 31612, Stop: 29786, Start Num: 181

Candidate Starts for Phighter1804_45:

(Start: 181 @31612 has 918 MA's), (195, 31591), (214, 31561), (224, 31531), (291, 31369), (298, 31351), (323, 31279), (328, 31270), (370, 31150), (378, 31126), (438, 31033), (460, 30985), (472, 30964), (489, 30925), (549, 30793), (560, 30772), (583, 30727), (586, 30715), (646, 30562), (649, 30541), (685, 30418), (692, 30388), (706, 30349), (728, 30283), (729, 30280), (733, 30265), (739, 30241), (750, 30217), (832, 30010), (874, 29875), (880, 29863), (884, 29854),

Gene: Phillis_44 Start: 30925, Stop: 29081, Start Num: 181

Candidate Starts for Phillis_44:

(89, 31090), (112, 31042), (Start: 181 @30925 has 918 MA's), (214, 30874), (261, 30751), (273, 30721), (291, 30682), (311, 30619), (318, 30598), (323, 30592), (328, 30583), (341, 30541), (360, 30490), (378, 30439), (438, 30343), (442, 30331), (448, 30316), (455, 30298), (458, 30295), (466, 30286), (489, 30232), (499, 30205), (524, 30157), (549, 30100), (562, 30073), (586, 30022), (596, 30007), (619, 29959), (646, 29860), (649, 29839), (660, 29809), (665, 29791), (667, 29788), (674, 29773), (677, 29752), (680, 29743), (685, 29716), (689, 29704), (692, 29686), (728, 29605), (731, 29593), (750, 29539), (763, 29503), (779, 29467), (796, 29434), (813, 29413), (816, 29407), (829, 29368), (837, 29329), (874, 29212), (880, 29200),

Gene: PhillyPhantom_38 Start: 29037, Stop: 27172, Start Num: 211

Candidate Starts for PhillyPhantom_38:

(Start: 211 @29037 has 115 MA's), (Start: 215 @29028 has 5 MA's), (330, 28764), (335, 28749), (338, 28743), (384, 28611), (406, 28557), (434, 28470), (437, 28461), (440, 28449), (450, 28422), (451, 28419), (458, 28404), (461, 28398), (480, 28362), (496, 28317), (630, 28068), (685, 27855), (688, 27846), (689, 27843), (692, 27825), (707, 27783), (720, 27753), (735, 27696), (787, 27537), (802, 27507), (829, 27438), (833, 27414), (846, 27375), (858, 27330),

Gene: PhineBark_44 Start: 35454, Stop: 33628, Start Num: 181

Candidate Starts for PhineBark_44:

(Start: 181 @35454 has 918 MA's), (277, 35241), (285, 35226), (302, 35178), (311, 35148), (318, 35127), (323, 35121), (328, 35112), (369, 34995), (378, 34968), (438, 34875), (443, 34860), (451, 34839), (483, 34776), (484, 34773), (514, 34707), (530, 34677), (542, 34647), (562, 34602), (583, 34563), (649, 34383), (660, 34353), (665, 34335), (677, 34296), (692, 34230), (728, 34149), (729, 34146), (757, 34065), (828, 33915), (829, 33912), (836, 33876), (846, 33852), (852, 33843), (856, 33831), (874, 33756), (884, 33735),

Gene: Phireproof_39 Start: 28936, Stop: 27071, Start Num: 211

Candidate Starts for Phireproof_39:

(Start: 140 @29023 has 3 MA's), (Start: 142 @29020 has 1 MA's), (Start: 211 @28936 has 115 MA's), (Start: 215 @28927 has 5 MA's), (255, 28822), (259, 28813), (275, 28783), (276, 28780), (332, 28660), (335, 28648), (338, 28642), (374, 28537), (384, 28510), (434, 28369), (435, 28363), (437, 28360), (440, 28348), (450, 28321), (451, 28318), (458, 28303), (461, 28297), (466, 28291), (481, 28258), (584, 28069), (685, 27754), (688, 27745), (689, 27742), (692, 27724), (707, 27682), (709, 27676), (718, 27652), (735, 27595), (787, 27436), (802, 27406), (804, 27397), (829, 27337), (833, 27313), (846, 27274), (857, 27241), (858, 27229), (874, 27169),

Gene: Phisb_43 Start: 29630, Stop: 31504, Start Num: 171

Candidate Starts for Phisb_43:

(Start: 168 @29627 has 7 MA's), (Start: 171 @29630 has 61 MA's), (Start: 219 @29699 has 1 MA's),
(227, 29720), (273, 29837), (302, 29900), (328, 29966), (341, 30008), (489, 30302), (549, 30437),
(594, 30536), (635, 30659), (649, 30719), (650, 30725), (667, 30770), (675, 30800), (683, 30836),
(692, 30872), (726, 30965), (758, 31058), (793, 31136), (828, 31208), (836, 31247), (855, 31289),
(858, 31307), (874, 31367), (884, 31388),

Gene: PhishRPhriends_46 Start: 30931, Stop: 29117, Start Num: 181

Candidate Starts for PhishRPhriends_46:

(Start: 181 @30931 has 918 MA's), (206, 30892), (214, 30880), (273, 30727), (281, 30712), (302,
30655), (323, 30598), (328, 30589), (341, 30547), (360, 30496), (378, 30445), (438, 30352), (458,
30304), (472, 30280), (489, 30241), (499, 30214), (514, 30184), (555, 30091), (562, 30079), (584,
30031), (595, 30016), (649, 29860), (667, 29809), (676, 29776), (677, 29773), (692, 29707), (706,
29668), (729, 29596), (739, 29557), (750, 29533), (757, 29515), (767, 29482), (816, 29401), (832,
29341), (837, 29323), (859, 29263), (862, 29254), (874, 29206), (880, 29194), (884, 29185),

Gene: Phives_43 Start: 31162, Stop: 33027, Start Num: 181

Candidate Starts for Phives_43:

(Start: 181 @31162 has 918 MA's), (213, 31210), (273, 31366), (311, 31459), (345, 31549), (440,
31756), (484, 31855), (489, 31864), (494, 31879), (499, 31891), (539, 31969), (560, 32017), (586,
32074), (619, 32155), (649, 32275), (660, 32305), (677, 32362), (692, 32428), (726, 32521), (750,
32593), (799, 32701), (828, 32764), (874, 32923), (879, 32932), (909, 33010),

Gene: Phlei_33 Start: 30919, Stop: 29120, Start Num: 181

Candidate Starts for Phlei_33:

(Start: 181 @30919 has 918 MA's), (236, 30808), (238, 30802), (261, 30745), (273, 30715), (282,
30697), (303, 30637), (311, 30610), (323, 30583), (360, 30481), (378, 30430), (434, 30349), (438,
30337), (451, 30301), (458, 30289), (499, 30199), (533, 30133), (571, 30049), (614, 29971), (615,
29968), (646, 29857), (649, 29836), (667, 29785), (677, 29749), (689, 29701), (692, 29683), (706,
29644), (728, 29602), (737, 29569), (828, 29368), (832, 29344), (836, 29329), (839, 29320), (855,
29287), (874, 29209), (880, 29197), (884, 29188), (900, 29140),

Gene: Phlippers_43 Start: 35349, Stop: 33523, Start Num: 181

Candidate Starts for Phlippers_43:

(Start: 181 @35349 has 918 MA's), (277, 35136), (285, 35121), (302, 35073), (311, 35043), (318,
35022), (323, 35016), (328, 35007), (369, 34890), (378, 34863), (438, 34770), (443, 34755), (483,
34671), (484, 34668), (514, 34602), (530, 34572), (542, 34542), (562, 34497), (583, 34458), (649,
34278), (665, 34230), (677, 34191), (692, 34125), (706, 34086), (722, 34065), (728, 34044), (733,
34026), (757, 33960), (828, 33810), (829, 33807), (836, 33771), (846, 33747), (852, 33738), (856,
33726), (867, 33678), (874, 33651), (884, 33630),

Gene: Phlorence_37 Start: 30134, Stop: 28275, Start Num: 181

Candidate Starts for Phlorence_37:

(Start: 181 @30134 has 918 MA's), (214, 30083), (236, 30023), (261, 29960), (273, 29930), (275,
29927), (299, 29870), (302, 29858), (311, 29828), (323, 29801), (378, 29648), (438, 29552), (458,
29504), (471, 29483), (497, 29420), (499, 29414), (537, 29342), (549, 29309), (555, 29294), (562,
29282), (614, 29183), (649, 29048), (660, 29018), (665, 29000), (674, 28982), (677, 28961), (680,
28952), (692, 28895), (706, 28856), (728, 28814), (733, 28796), (750, 28748), (767, 28697), (796,
28643), (801, 28634), (816, 28616), (832, 28556), (837, 28538), (868, 28445), (874, 28421), (880,
28409), (930, 28292), (931, 28289),

Gene: Phoebe_49 Start: 31845, Stop: 30031, Start Num: 181

Candidate Starts for Phoebe_49:

(Start: 181 @31845 has 918 MA's), (206, 31806), (214, 31794), (273, 31641), (281, 31626), (302, 31569), (323, 31512), (328, 31503), (341, 31461), (360, 31410), (378, 31359), (438, 31266), (458, 31218), (466, 31209), (472, 31194), (489, 31155), (499, 31128), (514, 31098), (555, 31005), (584, 30945), (595, 30930), (649, 30774), (677, 30687), (692, 30621), (706, 30582), (729, 30510), (739, 30471), (750, 30447), (757, 30429), (767, 30396), (782, 30369), (816, 30315), (832, 30255), (859, 30177), (874, 30120), (880, 30108), (884, 30099),

Gene: Phonnegut_45 Start: 31538, Stop: 29745, Start Num: 181

Candidate Starts for Phonnegut_45:

(Start: 181 @31538 has 918 MA's), (187, 31529), (214, 31487), (259, 31367), (261, 31364), (282, 31316), (303, 31256), (312, 31226), (316, 31214), (323, 31202), (378, 31049), (438, 30956), (499, 30818), (514, 30788), (586, 30629), (595, 30617), (616, 30590), (646, 30482), (649, 30461), (689, 30326), (692, 30308), (728, 30227), (739, 30185), (767, 30110), (813, 30035), (828, 29993), (859, 29891), (874, 29834), (880, 29822), (884, 29813),

Gene: Phontbonne_45 Start: 31461, Stop: 29635, Start Num: 181

Candidate Starts for Phontbonne_45:

(Start: 181 @31461 has 918 MA's), (195, 31440), (214, 31410), (224, 31380), (291, 31218), (298, 31200), (323, 31128), (328, 31119), (370, 30999), (378, 30975), (438, 30882), (460, 30834), (472, 30813), (489, 30774), (549, 30642), (560, 30621), (583, 30576), (586, 30564), (646, 30411), (649, 30390), (685, 30267), (692, 30237), (706, 30198), (728, 30132), (729, 30129), (733, 30114), (739, 30090), (750, 30066), (832, 29859), (874, 29724), (880, 29712), (884, 29703),

Gene: Phoxy_48 Start: 31881, Stop: 30067, Start Num: 181

Candidate Starts for Phoxy_48:

(Start: 181 @31881 has 918 MA's), (206, 31842), (214, 31830), (273, 31677), (281, 31662), (302, 31605), (323, 31548), (328, 31539), (341, 31497), (360, 31446), (378, 31395), (420, 31341), (438, 31302), (458, 31254), (472, 31230), (489, 31191), (499, 31164), (514, 31134), (555, 31041), (562, 31029), (584, 30981), (595, 30966), (649, 30810), (667, 30759), (676, 30726), (677, 30723), (692, 30657), (706, 30618), (729, 30546), (739, 30507), (750, 30483), (757, 30465), (767, 30432), (816, 30351), (832, 30291), (862, 30204), (874, 30156), (880, 30144), (884, 30135), (885, 30132),

Gene: Phrampa_94 Start: 80024, Stop: 81826, Start Num: 190

Candidate Starts for Phrampa_94:

(Start: 190 @80024 has 7 MA's), (204, 80045), (220, 80081), (Start: 223 @80087 has 1 MA's), (238, 80135), (244, 80156), (268, 80210), (291, 80255), (295, 80264), (326, 80345), (335, 80372), (338, 80378), (369, 80447), (381, 80483), (438, 80552), (442, 80564), (447, 80576), (476, 80630), (489, 80657), (494, 80672), (583, 80861), (608, 80906), (618, 80930), (620, 80939), (624, 80957), (634, 80990), (646, 81029), (649, 81050), (650, 81056), (683, 81170), (686, 81179), (705, 81254), (711, 81272), (726, 81320), (730, 81332), (739, 81368), (754, 81401), (757, 81410), (774, 81455), (783, 81473), (820, 81557), (828, 81578), (833, 81605), (858, 81677), (864, 81701), (874, 81737), (892, 81788),

Gene: Phrankenstein_36 Start: 28059, Stop: 26275, Start Num: 181

Candidate Starts for Phrankenstein_36:

(Start: 181 @28059 has 918 MA's), (288, 27825), (299, 27795), (301, 27786), (302, 27783), (316, 27738), (323, 27726), (341, 27675), (378, 27573), (391, 27552), (438, 27480), (455, 27435), (458, 27432), (480, 27390), (482, 27384), (489, 27369), (499, 27342), (549, 27237), (553, 27228), (562, 27210), (564, 27207), (583, 27171), (618, 27114), (649, 26991), (665, 26943), (692, 26838), (693, 26835), (722, 26778), (728, 26757), (741, 26709), (769, 26634), (813, 26565), (828, 26523), (832, 26499), (859, 26421), (874, 26364), (880, 26352), (884, 26343), (894, 26313), (900, 26295),

Gene: Phranny_49 Start: 31739, Stop: 29925, Start Num: 181

Candidate Starts for Phranny_49:

(Start: 181 @31739 has 918 MA's), (206, 31700), (214, 31688), (273, 31535), (281, 31520), (302, 31463), (323, 31406), (328, 31397), (341, 31355), (360, 31304), (378, 31253), (438, 31160), (458, 31112), (472, 31088), (489, 31049), (499, 31022), (514, 30992), (555, 30899), (562, 30887), (584, 30839), (595, 30824), (649, 30668), (667, 30617), (676, 30584), (677, 30581), (692, 30515), (706, 30476), (729, 30404), (739, 30365), (750, 30341), (757, 30323), (767, 30290), (816, 30209), (832, 30149), (837, 30131), (859, 30071), (862, 30062), (874, 30014), (880, 30002), (884, 29993),

Gene: PhredFlintston_39 Start: 28930, Stop: 27065, Start Num: 211

Candidate Starts for PhredFlintston_39:

(Start: 140 @29017 has 3 MA's), (Start: 142 @29014 has 1 MA's), (Start: 211 @28930 has 115 MA's), (Start: 215 @28921 has 5 MA's), (255, 28816), (259, 28807), (275, 28777), (276, 28774), (332, 28654), (335, 28642), (338, 28636), (374, 28531), (384, 28504), (434, 28363), (435, 28357), (437, 28354), (440, 28342), (450, 28315), (451, 28312), (458, 28297), (461, 28291), (466, 28285), (481, 28252), (584, 28063), (685, 27748), (688, 27739), (689, 27736), (692, 27718), (707, 27676), (709, 27670), (712, 27661), (718, 27646), (735, 27589), (787, 27430), (802, 27400), (804, 27391), (829, 27331), (833, 27307), (846, 27268), (857, 27235), (858, 27223), (874, 27163),

Gene: Phriends_39 Start: 28936, Stop: 27071, Start Num: 211

Candidate Starts for Phriends_39:

(Start: 140 @29023 has 3 MA's), (Start: 211 @28936 has 115 MA's), (Start: 215 @28927 has 5 MA's), (255, 28822), (259, 28813), (275, 28783), (276, 28780), (332, 28660), (335, 28648), (338, 28642), (374, 28537), (384, 28510), (434, 28369), (435, 28363), (437, 28360), (440, 28348), (450, 28321), (451, 28318), (458, 28303), (461, 28297), (466, 28291), (481, 28258), (561, 28129), (584, 28069), (685, 27754), (688, 27745), (689, 27742), (692, 27724), (707, 27682), (709, 27676), (712, 27667), (718, 27652), (735, 27595), (787, 27436), (802, 27406), (804, 27397), (829, 27337), (833, 27313), (846, 27274), (857, 27241), (858, 27229), (874, 27169),

Gene: Phroglets_31 Start: 31082, Stop: 29427, Start Num: 264

Candidate Starts for Phroglets_31:

(Start: 168 @31286 has 7 MA's), (195, 31253), (Start: 211 @31229 has 115 MA's), (224, 31196), (264, 31082), (312, 30962), (325, 30932), (348, 30860), (371, 30803), (399, 30752), (414, 30734), (416, 30731), (417, 30728), (482, 30572), (484, 30566), (487, 30563), (489, 30557), (504, 30512), (520, 30488), (546, 30428), (548, 30419), (551, 30410), (554, 30404), (587, 30323), (619, 30266), (636, 30206), (674, 30065), (682, 30020), (707, 29933), (722, 29915), (740, 29849), (795, 29726), (836, 29615), (847, 29594), (853, 29579), (855, 29573), (858, 29555), (874, 29495),

Gene: PhrostyMug_44 Start: 34431, Stop: 32605, Start Num: 181

Candidate Starts for PhrostyMug_44:

(Start: 181 @34431 has 918 MA's), (277, 34218), (285, 34203), (311, 34125), (318, 34104), (323, 34098), (328, 34089), (369, 33972), (378, 33945), (438, 33852), (443, 33837), (451, 33816), (458, 33804), (483, 33753), (484, 33750), (514, 33684), (530, 33654), (542, 33624), (562, 33579), (583, 33540), (649, 33360), (660, 33330), (665, 33312), (677, 33273), (692, 33207), (728, 33126), (729, 33123), (757, 33042), (828, 32892), (829, 32889), (836, 32853), (846, 32829), (852, 32820), (856, 32808), (862, 32781), (874, 32733), (884, 32712),

Gene: PickleBack_38 Start: 30260, Stop: 28416, Start Num: 181

Candidate Starts for PickleBack_38:

(Start: 181 @30260 has 918 MA's), (214, 30209), (236, 30149), (261, 30086), (273, 30056), (275, 30053), (299, 29996), (302, 29984), (311, 29954), (323, 29927), (360, 29825), (366, 29810), (378, 29774), (422, 29714), (438, 29678), (458, 29630), (497, 29546), (499, 29540), (537, 29468), (549,

29435), (555, 29420), (562, 29408), (614, 29309), (649, 29174), (660, 29144), (665, 29126), (667, 29123), (677, 29087), (680, 29078), (683, 29057), (686, 29048), (692, 29021), (693, 29018), (722, 28961), (728, 28940), (767, 28823), (796, 28769), (801, 28760), (816, 28742), (837, 28664), (858, 28607), (868, 28571), (874, 28547), (880, 28535),

Gene: PigHeaded_40 Start: 32631, Stop: 30790, Start Num: 218

Candidate Starts for PigHeaded_40:

(143, 32733), (149, 32721), (194, 32670), (Start: 218 @32631 has 1 MA's), (260, 32511), (263, 32505), (323, 32349), (331, 32334), (348, 32298), (401, 32199), (413, 32190), (414, 32184), (427, 32163), (432, 32148), (450, 32091), (474, 32037), (489, 32004), (587, 31779), (599, 31761), (636, 31650), (657, 31569), (707, 31377), (740, 31293), (755, 31260), (757, 31254), (836, 31059), (853, 31017), (855, 31011), (864, 30969), (872, 30942), (874, 30933), (883, 30900), (898, 30855), (916, 30804), (921, 30795),

Gene: Pikmin_35 Start: 27722, Stop: 25905, Start Num: 208

Candidate Starts for Pikmin_35:

(Start: 208 @27722 has 4 MA's), (216, 27707), (335, 27431), (338, 27425), (406, 27290), (411, 27275), (435, 27197), (437, 27194), (440, 27182), (451, 27152), (480, 27095), (568, 26948), (642, 26768), (675, 26630), (688, 26579), (689, 26576), (692, 26558), (693, 26555), (707, 26516), (735, 26429), (743, 26402), (787, 26270), (833, 26147), (844, 26114), (846, 26108), (851, 26099), (874, 26003), (875, 25997),

Gene: PinkPlastic_43 Start: 34151, Stop: 32325, Start Num: 181

Candidate Starts for PinkPlastic_43:

(Start: 181 @34151 has 918 MA's), (277, 33938), (285, 33923), (302, 33875), (311, 33845), (318, 33824), (323, 33818), (328, 33809), (341, 33767), (369, 33692), (378, 33665), (438, 33572), (443, 33557), (458, 33524), (483, 33473), (484, 33470), (514, 33404), (530, 33374), (542, 33344), (562, 33299), (583, 33260), (649, 33080), (665, 33032), (677, 32993), (692, 32927), (706, 32888), (722, 32867), (728, 32846), (733, 32828), (757, 32762), (828, 32612), (829, 32609), (836, 32573), (852, 32540), (856, 32528), (862, 32501), (874, 32453), (884, 32432),

Gene: Pinto_45 Start: 34258, Stop: 32429, Start Num: 181

Candidate Starts for Pinto_45:

(Start: 181 @34258 has 918 MA's), (277, 34045), (285, 34030), (302, 33982), (311, 33952), (318, 33931), (323, 33925), (328, 33916), (369, 33799), (378, 33772), (438, 33679), (443, 33664), (458, 33631), (483, 33580), (484, 33577), (506, 33523), (514, 33511), (530, 33481), (542, 33451), (562, 33406), (583, 33367), (649, 33187), (665, 33139), (680, 33091), (689, 33052), (692, 33034), (706, 32995), (722, 32974), (728, 32953), (732, 32938), (779, 32815), (853, 32644), (858, 32620), (871, 32572), (874, 32560), (884, 32539), (887, 32533), (903, 32485), (908, 32470),

Gene: Pioneer_45 Start: 31538, Stop: 29745, Start Num: 181

Candidate Starts for Pioneer_45:

(Start: 181 @31538 has 918 MA's), (187, 31529), (214, 31487), (259, 31367), (261, 31364), (282, 31316), (303, 31256), (312, 31226), (316, 31214), (323, 31202), (378, 31049), (438, 30956), (499, 30818), (514, 30788), (586, 30629), (595, 30617), (616, 30590), (646, 30482), (649, 30461), (689, 30326), (692, 30308), (728, 30227), (739, 30185), (767, 30110), (813, 30035), (828, 29993), (859, 29891), (874, 29834), (880, 29822), (884, 29813),

Gene: Pipcraft_43 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Pipcraft_43:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649,

30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Pippin_47 Start: 35168, Stop: 33381, Start Num: 181

Candidate Starts for Pippin_47:

(Start: 181 @35168 has 918 MA's), (277, 34955), (285, 34940), (302, 34892), (311, 34862), (318, 34841), (323, 34835), (328, 34826), (369, 34709), (378, 34682), (438, 34589), (443, 34574), (458, 34541), (483, 34490), (484, 34487), (514, 34421), (530, 34391), (542, 34361), (562, 34316), (583, 34277), (649, 34097), (665, 34049), (677, 34010), (692, 33944), (725, 33872), (728, 33863), (757, 33779), (796, 33692), (846, 33566), (853, 33554), (874, 33470), (878, 33464),

Gene: Piro94_44 Start: 31722, Stop: 29935, Start Num: 181

Candidate Starts for Piro94_44:

(Start: 181 @31722 has 918 MA's), (273, 31518), (275, 31515), (277, 31509), (291, 31479), (302, 31446), (303, 31443), (311, 31416), (323, 31389), (341, 31338), (378, 31236), (438, 31143), (458, 31095), (466, 31086), (472, 31071), (499, 31005), (539, 30924), (560, 30876), (628, 30732), (649, 30651), (667, 30600), (676, 30567), (692, 30498), (706, 30459), (722, 30438), (728, 30417), (731, 30405), (813, 30225), (816, 30219), (828, 30183), (832, 30159), (859, 30081), (874, 30024), (880, 30012),

Gene: Pistachio_47 Start: 31102, Stop: 29264, Start Num: 181

Candidate Starts for Pistachio_47:

(Start: 181 @31102 has 918 MA's), (214, 31051), (238, 30985), (273, 30898), (299, 30838), (302, 30826), (323, 30769), (328, 30760), (370, 30640), (378, 30616), (438, 30520), (460, 30472), (489, 30412), (517, 30349), (549, 30280), (560, 30259), (596, 30187), (618, 30145), (628, 30103), (649, 30022), (665, 29974), (685, 29899), (692, 29869), (704, 29839), (729, 29758), (739, 29719), (750, 29695), (757, 29677), (816, 29548), (832, 29488), (874, 29353), (880, 29341), (884, 29332),

Gene: Pita2_47 Start: 35444, Stop: 33618, Start Num: 181

Candidate Starts for Pita2_47:

(Start: 181 @35444 has 918 MA's), (277, 35231), (285, 35216), (302, 35168), (311, 35138), (318, 35117), (323, 35111), (328, 35102), (369, 34985), (378, 34958), (438, 34865), (443, 34850), (451, 34829), (483, 34766), (484, 34763), (514, 34697), (530, 34667), (542, 34637), (562, 34592), (583, 34553), (649, 34373), (660, 34343), (665, 34325), (667, 34322), (677, 34286), (692, 34220), (706, 34181), (722, 34160), (728, 34139), (733, 34121), (757, 34055), (828, 33905), (829, 33902), (836, 33866), (852, 33833), (856, 33821), (874, 33746), (884, 33725),

Gene: Pixelle_41 Start: 30386, Stop: 32251, Start Num: 181

Candidate Starts for Pixelle_41:

(Start: 181 @30386 has 918 MA's), (213, 30434), (290, 30617), (293, 30623), (311, 30683), (345, 30773), (440, 30980), (443, 30989), (489, 31088), (494, 31103), (560, 31241), (619, 31379), (643, 31466), (649, 31499), (672, 31562), (677, 31586), (692, 31652), (726, 31745), (799, 31925), (828, 31988), (832, 32012), (874, 32147), (879, 32156),

Gene: Pmask_45 Start: 29639, Stop: 27798, Start Num: 181

Candidate Starts for Pmask_45:

(Start: 181 @29639 has 918 MA's), (273, 29435), (302, 29360), (303, 29357), (311, 29330), (316, 29315), (323, 29303), (341, 29252), (374, 29162), (378, 29150), (438, 29057), (453, 29018), (466, 29000), (472, 28985), (499, 28919), (516, 28886), (517, 28883), (564, 28781), (595, 28721), (628, 28637), (649, 28556), (676, 28472), (677, 28469), (680, 28460), (685, 28433), (692, 28403), (722, 28343), (733, 28304), (828, 28088), (829, 28085), (832, 28064), (874, 27929), (880, 27917), (884, 27908), (885, 27905), (923, 27812),

Gene: Pocahontas_44 Start: 31594, Stop: 29756, Start Num: 181

Candidate Starts for Pocahontas_44:

(Start: 181 @31594 has 918 MA's), (214, 31543), (273, 31390), (302, 31318), (311, 31288), (323, 31261), (328, 31252), (378, 31108), (438, 31012), (460, 30964), (489, 30904), (531, 30817), (549, 30772), (560, 30751), (596, 30679), (618, 30637), (628, 30595), (649, 30514), (665, 30466), (677, 30427), (685, 30391), (692, 30361), (704, 30331), (729, 30250), (739, 30211), (750, 30187), (757, 30169), (758, 30166), (816, 30040), (832, 29980), (862, 29893), (874, 29845), (880, 29833), (884, 29824),

Gene: Pocket_38 Start: 28623, Stop: 26758, Start Num: 211

Candidate Starts for Pocket_38:

(Start: 140 @28710 has 3 MA's), (Start: 211 @28623 has 115 MA's), (Start: 215 @28614 has 5 MA's), (255, 28509), (259, 28500), (275, 28470), (276, 28467), (332, 28347), (335, 28335), (338, 28329), (374, 28224), (384, 28197), (434, 28056), (435, 28050), (437, 28047), (440, 28035), (450, 28008), (451, 28005), (458, 27990), (461, 27984), (466, 27978), (481, 27945), (561, 27816), (584, 27756), (685, 27441), (688, 27432), (689, 27429), (692, 27411), (707, 27369), (709, 27363), (718, 27339), (735, 27282), (787, 27123), (802, 27093), (804, 27084), (829, 27024), (833, 27000), (846, 26961), (857, 26928), (858, 26916), (874, 26856),

Gene: Polymorphads_46 Start: 31563, Stop: 29737, Start Num: 181

Candidate Starts for Polymorphads_46:

(Start: 181 @31563 has 918 MA's), (195, 31542), (214, 31512), (224, 31482), (291, 31320), (298, 31302), (323, 31230), (328, 31221), (370, 31101), (378, 31077), (438, 30984), (460, 30936), (472, 30915), (489, 30876), (549, 30744), (560, 30723), (583, 30678), (586, 30666), (646, 30513), (649, 30492), (685, 30369), (692, 30339), (706, 30300), (728, 30234), (729, 30231), (733, 30216), (739, 30192), (750, 30168), (832, 29961), (874, 29826), (880, 29814), (884, 29805),

Gene: Polyphemus_46 Start: 29782, Stop: 27941, Start Num: 181

Candidate Starts for Polyphemus_46:

(Start: 181 @29782 has 918 MA's), (273, 29578), (302, 29503), (303, 29500), (311, 29473), (316, 29458), (323, 29446), (341, 29395), (374, 29305), (378, 29293), (438, 29200), (453, 29161), (466, 29143), (472, 29128), (499, 29062), (516, 29029), (517, 29026), (564, 28924), (595, 28864), (628, 28780), (649, 28699), (676, 28615), (677, 28612), (680, 28603), (685, 28576), (692, 28546), (722, 28486), (733, 28447), (828, 28231), (829, 28228), (832, 28207), (874, 28072), (880, 28060), (884, 28051), (885, 28048), (923, 27955),

Gene: Pomar16_47 Start: 31194, Stop: 29371, Start Num: 181

Candidate Starts for Pomar16_47:

(Start: 181 @31194 has 918 MA's), (273, 30990), (285, 30966), (291, 30948), (298, 30930), (302, 30915), (303, 30912), (311, 30885), (323, 30858), (341, 30807), (378, 30705), (438, 30612), (458, 30564), (466, 30555), (471, 30543), (472, 30540), (499, 30474), (530, 30414), (583, 30300), (595, 30276), (617, 30237), (649, 30111), (667, 30060), (677, 30024), (692, 29958), (706, 29919), (729, 29850), (739, 29811), (758, 29766), (767, 29736), (801, 29673), (813, 29661), (816, 29655), (832, 29595), (874, 29460), (880, 29448), (884, 29439),

Gene: PondAmelia_53 Start: 30450, Stop: 32324, Start Num: 171

Candidate Starts for PondAmelia_53:

(Start: 171 @30450 has 61 MA's), (Start: 219 @30519 has 1 MA's), (227, 30540), (302, 30720), (328, 30786), (333, 30801), (341, 30828), (451, 31044), (489, 31122), (594, 31356), (634, 31476), (635, 31479), (649, 31539), (650, 31545), (667, 31590), (674, 31605), (675, 31620), (683, 31656), (692, 31692), (726, 31785), (758, 31878), (793, 31956), (795, 31959), (828, 32028), (829, 32031), (832, 32052), (836, 32067), (855, 32109), (858, 32127), (874, 32187), (884, 32208),

Gene: Pons_46 Start: 34228, Stop: 31850, Start Num: 27

Candidate Starts for Pons_46:

(Start: 27 @34228 has 14 MA's), (36, 34168), (52, 34087), (73, 33967), (97, 33922), (136, 33844), (Start: 140 @33838 has 3 MA's), (Start: 142 @33835 has 1 MA's), (165, 33805), (191, 33766), (196, 33757), (214, 33730), (Start: 215 @33727 has 5 MA's), (238, 33670), (255, 33631), (287, 33568), (296, 33544), (299, 33535), (302, 33523), (312, 33490), (313, 33487), (329, 33469), (335, 33448), (355, 33388), (404, 33265), (427, 33190), (440, 33148), (496, 33061), (552, 33013), (566, 32983), (570, 32977), (596, 32932), (598, 32929), (606, 32914), (617, 32893), (635, 32830), (648, 32779), (656, 32719), (659, 32710), (662, 32695), (667, 32680), (672, 32668), (692, 32575), (705, 32539), (707, 32533), (709, 32527), (711, 32521), (729, 32464), (735, 32440), (766, 32335), (767, 32332), (787, 32281), (806, 32239), (817, 32221), (829, 32182), (838, 32140), (848, 32116), (857, 32086), (868, 32038), (870, 32029), (874, 32014), (889, 31969), (906, 31915), (922, 31882), (928, 31870),

Gene: Ponzi_14 Start: 9802, Stop: 8006, Start Num: 181

Candidate Starts for Ponzi_14:

(Start: 181 @9802 has 918 MA's), (311, 9493), (378, 9313), (422, 9253), (438, 9220), (455, 9175), (458, 9172), (489, 9103), (497, 9082), (555, 8956), (583, 8905), (618, 8857), (642, 8776), (649, 8734), (671, 8671), (674, 8665), (676, 8647), (678, 8641), (682, 8620), (689, 8596), (692, 8578), (693, 8575), (722, 8518), (728, 8497), (733, 8479), (740, 8452), (839, 8215), (853, 8188), (869, 8125), (874, 8104), (884, 8083), (900, 8035),

Gene: Poompha_43 Start: 30385, Stop: 28553, Start Num: 181

Candidate Starts for Poompha_43:

(Start: 181 @30385 has 918 MA's), (214, 30334), (238, 30268), (273, 30181), (277, 30172), (299, 30121), (302, 30109), (323, 30052), (353, 29971), (358, 29959), (360, 29950), (370, 29923), (378, 29899), (438, 29806), (489, 29698), (499, 29671), (562, 29539), (649, 29311), (674, 29245), (685, 29188), (692, 29158), (706, 29119), (729, 29047), (733, 29032), (739, 29008), (757, 28966), (767, 28933), (832, 28777), (839, 28753), (862, 28690), (874, 28642), (880, 28630), (884, 28621),

Gene: Popcicle_44 Start: 31594, Stop: 29756, Start Num: 181

Candidate Starts for Popcicle_44:

(Start: 181 @31594 has 918 MA's), (214, 31543), (273, 31390), (302, 31318), (311, 31288), (323, 31261), (328, 31252), (378, 31108), (438, 31012), (460, 30964), (489, 30904), (531, 30817), (549, 30772), (560, 30751), (596, 30679), (618, 30637), (628, 30595), (649, 30514), (665, 30466), (677, 30427), (685, 30391), (692, 30361), (704, 30331), (729, 30250), (739, 30211), (750, 30187), (757, 30169), (758, 30166), (816, 30040), (832, 29980), (862, 29893), (874, 29845), (880, 29833), (884, 29824),

Gene: PotPie_44 Start: 34903, Stop: 32528, Start Num: 27

Candidate Starts for PotPie_44:

(Start: 27 @34903 has 14 MA's), (36, 34843), (46, 34801), (52, 34762), (73, 34642), (80, 34621), (97, 34597), (136, 34519), (Start: 140 @34513 has 3 MA's), (Start: 142 @34510 has 1 MA's), (165, 34480), (196, 34432), (214, 34405), (Start: 215 @34402 has 5 MA's), (238, 34345), (255, 34306), (265, 34285), (287, 34243), (296, 34219), (299, 34210), (300, 34204), (302, 34198), (312, 34165), (329, 34144), (335, 34123), (404, 33940), (427, 33865), (440, 33823), (496, 33736), (542, 33712), (552, 33688), (556, 33679), (566, 33658), (596, 33607), (598, 33604), (606, 33589), (617, 33568), (649, 33442), (656, 33394), (659, 33385), (672, 33343), (692, 33250), (705, 33214), (707, 33208), (709, 33202), (711, 33196), (729, 33139), (735, 33115), (766, 33010), (767, 33007), (806, 32914), (817, 32896), (829, 32857), (838, 32815), (848, 32791), (857, 32761), (868, 32713), (874, 32689), (889, 32644), (922, 32557),

Gene: PotatoSplit_50 Start: 31856, Stop: 30042, Start Num: 181

Candidate Starts for PotatoSplit_50:

(Start: 181 @31856 has 918 MA's), (206, 31817), (214, 31805), (273, 31652), (281, 31637), (302, 31580), (323, 31523), (328, 31514), (341, 31472), (360, 31421), (378, 31370), (438, 31277), (458, 31229), (466, 31220), (472, 31205), (489, 31166), (499, 31139), (514, 31109), (555, 31016), (584, 30956), (595, 30941), (649, 30785), (677, 30698), (692, 30632), (706, 30593), (729, 30521), (739, 30482), (750, 30458), (757, 30440), (767, 30407), (782, 30380), (816, 30326), (832, 30266), (859, 30188), (874, 30131), (880, 30119), (884, 30110),

Gene: Power_43 Start: 31319, Stop: 29532, Start Num: 181

Candidate Starts for Power_43:

(67, 31574), (Start: 181 @31319 has 918 MA's), (273, 31115), (275, 31112), (277, 31106), (286, 31091), (291, 31076), (302, 31043), (303, 31040), (311, 31013), (323, 30986), (332, 30965), (341, 30935), (378, 30833), (381, 30824), (438, 30740), (458, 30692), (466, 30683), (472, 30668), (499, 30602), (539, 30521), (560, 30473), (562, 30467), (595, 30404), (628, 30329), (649, 30248), (667, 30197), (676, 30164), (677, 30161), (692, 30095), (706, 30056), (722, 30035), (757, 29930), (767, 29897), (782, 29870), (801, 29834), (813, 29822), (816, 29816), (828, 29780), (832, 29756), (859, 29678), (874, 29621), (880, 29609), (884, 29600),

Gene: PowerRanger_46 Start: 35483, Stop: 33657, Start Num: 181

Candidate Starts for PowerRanger_46:

(Start: 181 @35483 has 918 MA's), (277, 35270), (285, 35255), (302, 35207), (311, 35177), (318, 35156), (323, 35150), (328, 35141), (369, 35024), (378, 34997), (438, 34904), (443, 34889), (483, 34805), (484, 34802), (514, 34736), (530, 34706), (542, 34676), (562, 34631), (583, 34592), (649, 34412), (665, 34364), (677, 34325), (692, 34259), (706, 34220), (722, 34199), (728, 34178), (733, 34160), (757, 34094), (828, 33944), (829, 33941), (836, 33905), (846, 33881), (856, 33860), (862, 33833), (874, 33785), (884, 33764),

Gene: Powerpuff_43 Start: 30792, Stop: 32657, Start Num: 181

Candidate Starts for Powerpuff_43:

(Start: 181 @30792 has 918 MA's), (213, 30840), (311, 31089), (345, 31179), (440, 31386), (443, 31395), (484, 31485), (489, 31494), (494, 31509), (516, 31554), (539, 31599), (560, 31647), (586, 31704), (619, 31785), (643, 31872), (649, 31905), (660, 31935), (677, 31992), (692, 32058), (703, 32082), (726, 32151), (750, 32223), (754, 32232), (799, 32331), (828, 32394), (832, 32418), (868, 32529), (874, 32553), (879, 32562),

Gene: Priamo_47 Start: 29939, Stop: 28098, Start Num: 181

Candidate Starts for Priamo_47:

(Start: 181 @29939 has 918 MA's), (273, 29735), (302, 29660), (303, 29657), (311, 29630), (316, 29615), (323, 29603), (341, 29552), (378, 29450), (438, 29357), (453, 29318), (466, 29300), (499, 29219), (517, 29183), (564, 29081), (595, 29021), (628, 28937), (649, 28856), (676, 28772), (677, 28769), (680, 28760), (685, 28733), (692, 28703), (722, 28643), (733, 28604), (739, 28580), (828, 28388), (829, 28385), (832, 28364), (874, 28229), (880, 28217), (884, 28208), (885, 28205), (923, 28112),

Gene: Prinash11_39 Start: 30426, Stop: 28582, Start Num: 181

Candidate Starts for Prinash11_39:

(Start: 181 @30426 has 918 MA's), (214, 30375), (236, 30315), (261, 30252), (273, 30222), (275, 30219), (299, 30162), (302, 30150), (311, 30120), (323, 30093), (378, 29940), (438, 29844), (458, 29796), (497, 29712), (499, 29706), (537, 29634), (549, 29601), (555, 29586), (562, 29574), (614, 29475), (649, 29340), (660, 29310), (665, 29292), (667, 29289), (677, 29253), (680, 29244), (683, 29223), (686, 29214), (692, 29187), (693, 29184), (722, 29127), (728, 29106), (767, 28989), (796, 28935), (801, 28926), (816, 28908), (837, 28830), (858, 28773), (868, 28737), (874, 28713), (880, 28701),

Gene: PrincePhergus_37 Start: 28495, Stop: 26645, Start Num: 207

Candidate Starts for PrincePhergus_37:

(Start: 207 @28495 has 19 MA's), (259, 28372), (276, 28339), (329, 28228), (335, 28207), (338, 28201), (340, 28192), (354, 28150), (415, 27994), (434, 27940), (435, 27934), (437, 27931), (440, 27919), (451, 27889), (480, 27832), (568, 27685), (630, 27538), (685, 27328), (688, 27319), (689, 27316), (692, 27298), (707, 27256), (712, 27241), (735, 27169), (802, 26980), (804, 26971), (829, 26911), (833, 26887), (844, 26854), (874, 26743),

Gene: Priya_45 Start: 31550, Stop: 29757, Start Num: 181

Candidate Starts for Priya_45:

(Start: 181 @31550 has 918 MA's), (187, 31541), (214, 31499), (259, 31379), (261, 31376), (282, 31328), (303, 31268), (312, 31238), (316, 31226), (323, 31214), (378, 31061), (438, 30968), (499, 30830), (514, 30800), (586, 30641), (595, 30629), (616, 30602), (646, 30494), (649, 30473), (689, 30338), (692, 30320), (728, 30239), (739, 30197), (767, 30122), (813, 30047), (828, 30005), (859, 29903), (874, 29846), (880, 29834), (884, 29825),

Gene: ProMouse_45 Start: 35152, Stop: 33326, Start Num: 181

Candidate Starts for ProMouse_45:

(Start: 181 @35152 has 918 MA's), (277, 34939), (302, 34876), (311, 34846), (318, 34825), (323, 34819), (328, 34810), (369, 34693), (378, 34666), (438, 34573), (443, 34558), (483, 34474), (484, 34471), (514, 34405), (530, 34375), (542, 34345), (562, 34300), (583, 34261), (649, 34081), (667, 34030), (677, 33994), (692, 33928), (706, 33889), (722, 33868), (728, 33847), (828, 33613), (829, 33610), (836, 33574), (846, 33550), (867, 33481), (874, 33454), (884, 33433),

Gene: Prudy_43 Start: 31986, Stop: 30199, Start Num: 181

Candidate Starts for Prudy_43:

(Start: 181 @31986 has 918 MA's), (273, 31782), (275, 31779), (277, 31773), (286, 31758), (291, 31743), (302, 31710), (311, 31680), (323, 31653), (332, 31632), (341, 31602), (360, 31551), (378, 31500), (438, 31407), (458, 31359), (466, 31350), (472, 31335), (499, 31269), (539, 31188), (560, 31140), (595, 31071), (628, 30996), (649, 30915), (667, 30864), (676, 30831), (677, 30828), (692, 30762), (706, 30723), (722, 30702), (745, 30627), (801, 30501), (816, 30483), (828, 30447), (832, 30423), (855, 30366), (859, 30345), (874, 30288), (880, 30276), (884, 30267),

Gene: PsychoKiller_42 Start: 32441, Stop: 30048, Start Num: 20

Candidate Starts for PsychoKiller_42:

(Start: 20 @32441 has 19 MA's), (28, 32435), (Start: 35 @32387 has 1 MA's), (43, 32345), (49, 32321), (69, 32195), (73, 32171), (97, 32126), (123, 32075), (132, 32060), (Start: 142 @32039 has 1 MA's), (176, 31991), (Start: 198 @31958 has 6 MA's), (204, 31949), (238, 31874), (240, 31862), (274, 31793), (288, 31766), (290, 31760), (296, 31745), (312, 31691), (313, 31688), (329, 31670), (335, 31649), (355, 31589), (404, 31466), (405, 31460), (427, 31391), (440, 31349), (496, 31262), (519, 31238), (542, 31232), (552, 31208), (556, 31199), (563, 31184), (570, 31172), (590, 31130), (596, 31127), (598, 31124), (648, 30977), (653, 30935), (659, 30908), (661, 30902), (692, 30773), (705, 30737), (707, 30731), (709, 30725), (711, 30719), (729, 30662), (735, 30638), (745, 30593), (873, 30215), (874, 30212), (889, 30167), (891, 30158), (911, 30098),

Gene: Pukovnik_43 Start: 32125, Stop: 30323, Start Num: 181

Candidate Starts for Pukovnik_43:

(Start: 181 @32125 has 918 MA's), (273, 31921), (275, 31918), (303, 31843), (311, 31816), (323, 31789), (332, 31768), (374, 31648), (378, 31636), (438, 31543), (458, 31495), (466, 31486), (472, 31471), (499, 31405), (553, 31288), (583, 31231), (595, 31207), (617, 31165), (634, 31102), (649, 31039), (667, 30988), (677, 30952), (685, 30916), (692, 30886), (706, 30847), (722, 30826), (728, 30805), (767, 30688), (801, 30625), (828, 30571), (832, 30547), (855, 30490), (859, 30469), (874, 30412), (880, 30400), (884, 30391),

Gene: Pumbaa_45 Start: 31515, Stop: 29686, Start Num: 181

Candidate Starts for Pumbaa_45:

(Start: 181 @31515 has 918 MA's), (195, 31494), (214, 31464), (224, 31434), (291, 31272), (298, 31254), (323, 31182), (328, 31173), (370, 31053), (378, 31029), (438, 30936), (460, 30888), (472, 30867), (489, 30828), (549, 30696), (560, 30675), (583, 30630), (586, 30618), (649, 30444), (689, 30309), (692, 30291), (706, 30252), (729, 30180), (739, 30141), (750, 30117), (753, 30111), (758, 30096), (832, 29910), (874, 29775), (880, 29763), (884, 29754),

Gene: Pumpnickel_113 Start: 82450, Stop: 80615, Start Num: 177

Candidate Starts for Pumpnickel_113:

(Start: 177 @82450 has 3 MA's), (213, 82408), (275, 82222), (300, 82165), (326, 82102), (335, 82075), (365, 82012), (441, 81886), (449, 81865), (456, 81847), (476, 81802), (489, 81775), (506, 81730), (516, 81715), (525, 81697), (531, 81685), (549, 81640), (553, 81631), (649, 81385), (674, 81319), (682, 81271), (708, 81172), (737, 81076), (739, 81067), (754, 81034), (757, 81025), (767, 80992), (786, 80956), (837, 80815), (853, 80782), (857, 80770), (865, 80731), (874, 80698),

Gene: Pumpkins_40 Start: 29815, Stop: 31680, Start Num: 181

Candidate Starts for Pumpkins_40:

(Start: 181 @29815 has 918 MA's), (213, 29863), (311, 30112), (358, 30232), (440, 30409), (489, 30517), (494, 30532), (560, 30670), (619, 30808), (649, 30928), (677, 31015), (692, 31081), (726, 31174), (828, 31417), (874, 31576), (879, 31585),

Gene: Puppet_46 Start: 35284, Stop: 33497, Start Num: 181

Candidate Starts for Puppet_46:

(Start: 181 @35284 has 918 MA's), (277, 35071), (285, 35056), (302, 35008), (311, 34978), (318, 34957), (323, 34951), (328, 34942), (369, 34825), (378, 34798), (438, 34705), (443, 34690), (483, 34606), (484, 34603), (514, 34537), (530, 34507), (542, 34477), (562, 34432), (583, 34393), (649, 34213), (665, 34165), (677, 34126), (692, 34060), (725, 33988), (728, 33979), (757, 33895), (796, 33808), (846, 33682), (853, 33670), (874, 33586), (878, 33580),

Gene: Puppy_47 Start: 31175, Stop: 29337, Start Num: 181

Candidate Starts for Puppy_47:

(Start: 181 @31175 has 918 MA's), (214, 31124), (238, 31058), (273, 30971), (299, 30911), (302, 30899), (323, 30842), (328, 30833), (370, 30713), (378, 30689), (438, 30593), (460, 30545), (489, 30485), (517, 30422), (549, 30353), (560, 30332), (596, 30260), (618, 30218), (628, 30176), (649, 30095), (665, 30047), (685, 29972), (692, 29942), (704, 29912), (729, 29831), (739, 29792), (750, 29768), (757, 29750), (816, 29621), (832, 29561), (874, 29426), (880, 29414), (884, 29405),

Gene: PuppyEggo_39 Start: 28937, Stop: 27072, Start Num: 211

Candidate Starts for PuppyEggo_39:

(Start: 140 @29024 has 3 MA's), (Start: 142 @29021 has 1 MA's), (Start: 211 @28937 has 115 MA's), (Start: 215 @28928 has 5 MA's), (255, 28823), (259, 28814), (275, 28784), (276, 28781), (332, 28661), (335, 28649), (338, 28643), (374, 28538), (384, 28511), (434, 28370), (435, 28364), (437, 28361), (440, 28349), (450, 28322), (451, 28319), (458, 28304), (461, 28298), (466, 28292), (481, 28259), (561, 28130), (584, 28070), (622, 27995), (685, 27755), (688, 27746), (689, 27743), (692, 27725), (707, 27683), (709, 27677), (712, 27668), (718, 27653), (735, 27596), (787, 27437), (802, 27407), (804, 27398), (829, 27338), (833, 27314), (846, 27275), (857, 27242), (858, 27230), (874, 27170),

Gene: PurpleHaze_48 Start: 31752, Stop: 29938, Start Num: 181

Candidate Starts for PurpleHaze_48:

(Start: 181 @31752 has 918 MA's), (206, 31713), (214, 31701), (273, 31548), (281, 31533), (302, 31476), (323, 31419), (328, 31410), (341, 31368), (360, 31317), (378, 31266), (438, 31173), (458,

31125), (472, 31101), (489, 31062), (499, 31035), (514, 31005), (555, 30912), (562, 30900), (584, 30852), (595, 30837), (649, 30681), (667, 30630), (676, 30597), (677, 30594), (692, 30528), (706, 30489), (729, 30417), (739, 30378), (750, 30354), (757, 30336), (767, 30303), (816, 30222), (832, 30162), (837, 30144), (859, 30084), (862, 30075), (874, 30027), (880, 30015), (884, 30006),

Gene: QMacho_45 Start: 30268, Stop: 32142, Start Num: 171

Candidate Starts for QMacho_45:

(Start: 168 @30265 has 7 MA's), (Start: 171 @30268 has 61 MA's), (Start: 219 @30337 has 1 MA's), (227, 30358), (236, 30382), (302, 30538), (328, 30604), (489, 30940), (549, 31075), (594, 31174), (635, 31297), (649, 31357), (650, 31363), (667, 31408), (675, 31438), (683, 31474), (692, 31510), (726, 31603), (758, 31696), (793, 31774), (828, 31846), (836, 31885), (855, 31927), (858, 31945), (874, 32005), (884, 32026),

Gene: QTRLifeCrisis_45 Start: 35266, Stop: 33440, Start Num: 181

Candidate Starts for QTRLifeCrisis_45:

(Start: 181 @35266 has 918 MA's), (277, 35053), (302, 34990), (311, 34960), (318, 34939), (323, 34933), (328, 34924), (369, 34807), (378, 34780), (438, 34687), (443, 34672), (458, 34639), (483, 34588), (484, 34585), (514, 34519), (530, 34489), (542, 34459), (562, 34414), (583, 34375), (649, 34195), (665, 34147), (677, 34108), (692, 34042), (706, 34003), (722, 33982), (728, 33961), (733, 33943), (757, 33877), (828, 33727), (829, 33724), (836, 33688), (846, 33664), (852, 33655), (856, 33643), (874, 33568), (884, 33547),

Gene: Qobbit_45 Start: 31512, Stop: 29719, Start Num: 181

Candidate Starts for Qobbit_45:

(Start: 181 @31512 has 918 MA's), (187, 31503), (214, 31461), (259, 31341), (261, 31338), (282, 31290), (303, 31230), (312, 31200), (316, 31188), (323, 31176), (378, 31023), (438, 30930), (499, 30792), (514, 30762), (586, 30603), (595, 30591), (616, 30564), (646, 30456), (649, 30435), (689, 30300), (692, 30282), (728, 30201), (739, 30159), (767, 30084), (813, 30009), (828, 29967), (859, 29865), (874, 29808), (880, 29796), (884, 29787),

Gene: QuadZero_37 Start: 27017, Stop: 25152, Start Num: 209

Candidate Starts for QuadZero_37:

(Start: 209 @27017 has 41 MA's), (214, 27011), (253, 26912), (255, 26903), (267, 26879), (275, 26864), (277, 26858), (300, 26807), (302, 26804), (338, 26723), (393, 26573), (398, 26570), (427, 26471), (435, 26444), (437, 26441), (440, 26429), (451, 26399), (461, 26378), (480, 26342), (568, 26195), (642, 26015), (685, 25835), (692, 25805), (711, 25751), (718, 25733), (735, 25676), (743, 25649), (755, 25607), (767, 25568), (802, 25487), (804, 25478), (829, 25418), (833, 25394), (836, 25382), (839, 25373), (846, 25355), (857, 25322), (874, 25250),

Gene: Quantum_66 Start: 46750, Stop: 44786, Start Num: 231

Candidate Starts for Quantum_66:

(Start: 231 @46750 has 7 MA's), (268, 46654), (310, 46546), (314, 46534), (328, 46480), (356, 46396), (396, 46261), (423, 46162), (428, 46150), (436, 46123), (440, 46108), (494, 45970), (535, 45883), (573, 45787), (609, 45679), (611, 45676), (616, 45649), (623, 45622), (631, 45592), (642, 45562), (671, 45457), (695, 45349), (696, 45340), (698, 45334), (755, 45190), (761, 45172), (766, 45154), (801, 45100), (839, 44983), (845, 44971), (852, 44962), (856, 44950), (859, 44932), (865, 44908), (872, 44884), (879, 44866),

Gene: Quartz_38 Start: 28631, Stop: 26730, Start Num: 209

Candidate Starts for Quartz_38:

(Start: 209 @28631 has 41 MA's), (259, 28508), (267, 28493), (275, 28478), (291, 28445), (296, 28436), (300, 28421), (312, 28385), (326, 28370), (335, 28343), (338, 28337), (354, 28286), (367, 28247), (393, 28187), (434, 28061), (437, 28052), (440, 28040), (451, 28010), (480, 27953), (568,

27806), (584, 27761), (633, 27650), (675, 27455), (685, 27413), (692, 27383), (707, 27341), (718, 27311), (725, 27290), (735, 27254), (829, 26996), (833, 26972), (844, 26939), (846, 26933), (874, 26828),

Gene: Quasar_43 Start: 33103, Stop: 30710, Start Num: 20

Candidate Starts for Quasar_43:

(Start: 20 @33103 has 19 MA's), (28, 33097), (Start: 35 @33049 has 1 MA's), (43, 33007), (49, 32983), (69, 32857), (73, 32833), (97, 32788), (123, 32737), (132, 32722), (Start: 142 @32701 has 1 MA's), (176, 32653), (Start: 198 @32620 has 6 MA's), (204, 32611), (238, 32536), (240, 32524), (274, 32455), (288, 32428), (290, 32422), (296, 32407), (312, 32353), (313, 32350), (329, 32332), (335, 32311), (355, 32251), (404, 32128), (405, 32122), (427, 32053), (440, 32011), (496, 31924), (519, 31900), (542, 31894), (552, 31870), (556, 31861), (563, 31846), (570, 31834), (590, 31792), (596, 31789), (598, 31786), (618, 31750), (648, 31639), (659, 31570), (661, 31564), (672, 31528), (692, 31435), (694, 31426), (705, 31399), (707, 31393), (709, 31387), (711, 31381), (729, 31324), (733, 31309), (735, 31300), (745, 31255), (873, 30877), (874, 30874), (889, 30829), (891, 30820), (911, 30760),

Gene: QueenB2_44 Start: 31390, Stop: 29603, Start Num: 181

Candidate Starts for QueenB2_44:

(Start: 181 @31390 has 918 MA's), (275, 31183), (277, 31177), (286, 31162), (291, 31147), (302, 31114), (303, 31111), (311, 31084), (323, 31057), (332, 31036), (378, 30904), (438, 30811), (451, 30775), (458, 30763), (466, 30754), (472, 30739), (499, 30673), (539, 30592), (560, 30544), (562, 30538), (595, 30475), (649, 30319), (667, 30268), (676, 30235), (677, 30232), (692, 30166), (706, 30127), (722, 30106), (745, 30031), (750, 30019), (801, 29905), (816, 29887), (828, 29851), (832, 29827), (859, 29749), (874, 29692), (880, 29680), (884, 29671),

Gene: QueenBeesly_44 Start: 31266, Stop: 29479, Start Num: 181

Candidate Starts for QueenBeesly_44:

(67, 31521), (Start: 181 @31266 has 918 MA's), (273, 31062), (275, 31059), (277, 31053), (286, 31038), (291, 31023), (302, 30990), (303, 30987), (311, 30960), (323, 30933), (332, 30912), (341, 30882), (378, 30780), (438, 30687), (458, 30639), (466, 30630), (472, 30615), (499, 30549), (539, 30468), (560, 30420), (562, 30414), (595, 30351), (628, 30276), (649, 30195), (667, 30144), (676, 30111), (677, 30108), (692, 30042), (706, 30003), (722, 29982), (745, 29907), (753, 29889), (767, 29844), (782, 29817), (801, 29781), (813, 29769), (816, 29763), (828, 29727), (832, 29703), (859, 29625), (874, 29568), (880, 29556), (884, 29547),

Gene: Quenya_42 Start: 30106, Stop: 31977, Start Num: 181

Candidate Starts for Quenya_42:

(145, 30058), (Start: 181 @30106 has 918 MA's), (193, 30124), (Start: 219 @30175 has 1 MA's), (273, 30313), (332, 30454), (333, 30457), (366, 30538), (450, 30697), (470, 30733), (489, 30778), (494, 30793), (530, 30865), (539, 30886), (649, 31192), (667, 31243), (674, 31258), (683, 31309), (686, 31318), (692, 31345), (726, 31438), (758, 31531), (793, 31609), (828, 31681), (832, 31705), (855, 31762), (868, 31816), (874, 31840), (884, 31861),

Gene: QuinnKiro_43 Start: 31597, Stop: 29759, Start Num: 181

Candidate Starts for QuinnKiro_43:

(Start: 181 @31597 has 918 MA's), (214, 31546), (273, 31393), (302, 31321), (311, 31291), (323, 31264), (328, 31255), (378, 31111), (438, 31015), (460, 30967), (489, 30907), (531, 30820), (549, 30775), (560, 30754), (596, 30682), (618, 30640), (628, 30598), (649, 30517), (665, 30469), (677, 30430), (685, 30394), (692, 30364), (704, 30334), (729, 30253), (739, 30214), (750, 30190), (757, 30172), (758, 30169), (816, 30043), (832, 29983), (862, 29896), (874, 29848), (880, 29836), (884, 29827),

Gene: Quokka_43 Start: 30374, Stop: 28545, Start Num: 180

Candidate Starts for Quokka_43:

(Start: 180 @30374 has 21 MA's), (273, 30170), (275, 30167), (277, 30161), (286, 30146), (291, 30131), (301, 30101), (302, 30098), (311, 30068), (323, 30041), (332, 30020), (341, 29990), (378, 29888), (438, 29795), (458, 29747), (466, 29738), (472, 29723), (499, 29657), (539, 29576), (560, 29528), (583, 29483), (649, 29303), (665, 29255), (667, 29252), (677, 29216), (692, 29150), (706, 29111), (722, 29090), (745, 29015), (753, 28997), (767, 28952), (782, 28925), (801, 28889), (816, 28871), (828, 28835), (832, 28811), (859, 28733), (874, 28676), (880, 28664), (884, 28655), (900, 28607), (915, 28577), (924, 28559), (926, 28556),

Gene: RADical_44 Start: 32435, Stop: 30042, Start Num: 20

Candidate Starts for RADical_44:

(Start: 20 @32435 has 19 MA's), (28, 32429), (Start: 35 @32381 has 1 MA's), (43, 32339), (49, 32315), (69, 32189), (73, 32165), (97, 32120), (123, 32069), (132, 32054), (Start: 142 @32033 has 1 MA's), (176, 31985), (204, 31943), (238, 31868), (240, 31856), (274, 31787), (290, 31754), (296, 31739), (312, 31685), (313, 31682), (329, 31664), (335, 31643), (355, 31583), (404, 31460), (405, 31454), (427, 31385), (440, 31343), (496, 31256), (519, 31232), (542, 31226), (552, 31202), (556, 31193), (563, 31178), (570, 31166), (590, 31124), (596, 31121), (598, 31118), (648, 30971), (659, 30902), (661, 30896), (672, 30860), (683, 30803), (692, 30767), (705, 30731), (707, 30725), (709, 30719), (711, 30713), (729, 30656), (735, 30632), (745, 30587), (873, 30209), (874, 30206), (889, 30161), (891, 30152), (911, 30092),

Gene: RER2_29 Start: 24985, Stop: 23201, Start Num: 181

Candidate Starts for RER2_29:

(Start: 181 @24985 has 918 MA's), (288, 24751), (299, 24721), (301, 24712), (302, 24709), (316, 24664), (323, 24652), (328, 24643), (341, 24601), (378, 24499), (391, 24478), (438, 24406), (455, 24361), (458, 24358), (480, 24316), (482, 24310), (489, 24295), (499, 24268), (549, 24163), (562, 24136), (583, 24097), (649, 23917), (665, 23869), (692, 23764), (693, 23761), (722, 23704), (728, 23683), (741, 23635), (769, 23560), (813, 23491), (828, 23449), (832, 23425), (859, 23347), (874, 23290), (880, 23278), (900, 23221),

Gene: RGL3_31 Start: 25970, Stop: 24174, Start Num: 181

Candidate Starts for RGL3_31:

(Start: 181 @25970 has 918 MA's), (273, 25766), (277, 25757), (291, 25727), (299, 25706), (318, 25643), (328, 25628), (332, 25616), (370, 25508), (378, 25484), (381, 25475), (419, 25433), (420, 25430), (438, 25391), (455, 25346), (458, 25343), (489, 25280), (497, 25259), (499, 25253), (549, 25148), (562, 25121), (583, 25082), (584, 25073), (596, 25055), (618, 25013), (649, 24890), (665, 24842), (692, 24737), (728, 24656), (731, 24644), (813, 24464), (816, 24458), (828, 24422), (829, 24419), (832, 24398), (874, 24263), (880, 24251), (884, 24242), (894, 24212), (900, 24194),

Gene: RSchmailzl_44 Start: 32591, Stop: 30198, Start Num: 20

Candidate Starts for RSchmailzl_44:

(Start: 20 @32591 has 19 MA's), (28, 32585), (Start: 35 @32537 has 1 MA's), (43, 32495), (49, 32471), (69, 32345), (73, 32321), (97, 32276), (123, 32225), (132, 32210), (Start: 142 @32189 has 1 MA's), (Start: 198 @32108 has 6 MA's), (204, 32099), (238, 32024), (240, 32012), (274, 31943), (296, 31895), (312, 31841), (313, 31838), (329, 31820), (335, 31799), (355, 31739), (404, 31616), (405, 31610), (427, 31541), (440, 31499), (496, 31412), (519, 31388), (542, 31382), (552, 31358), (556, 31349), (563, 31334), (570, 31322), (590, 31280), (596, 31277), (598, 31274), (648, 31127), (659, 31058), (661, 31052), (692, 30923), (705, 30887), (707, 30881), (709, 30875), (711, 30869), (729, 30812), (735, 30788), (745, 30743), (874, 30362), (889, 30317), (891, 30308), (911, 30248),

Gene: Raccoon_38 Start: 29022, Stop: 27157, Start Num: 211

Candidate Starts for Raccoon_38:

(Start: 211 @29022 has 115 MA's), (Start: 215 @29013 has 5 MA's), (330, 28749), (335, 28734), (338, 28728), (384, 28596), (406, 28542), (434, 28455), (437, 28446), (440, 28434), (450, 28407), (451, 28404), (458, 28389), (461, 28383), (630, 28053), (685, 27840), (688, 27831), (689, 27828), (692, 27810), (707, 27768), (712, 27753), (735, 27681), (743, 27654), (787, 27522), (802, 27492), (829, 27423), (833, 27399), (846, 27360), (858, 27315),

Gene: Racecar_100 Start: 78450, Stop: 80246, Start Num: 190

Candidate Starts for Racecar_100:

(Start: 190 @78450 has 7 MA's), (236, 78546), (326, 78762), (335, 78789), (338, 78795), (369, 78864), (381, 78900), (476, 79047), (479, 79053), (489, 79074), (494, 79089), (583, 79278), (608, 79323), (620, 79356), (624, 79374), (634, 79407), (646, 79446), (649, 79467), (650, 79473), (683, 79587), (705, 79671), (707, 79677), (711, 79689), (726, 79737), (730, 79749), (739, 79785), (754, 79818), (757, 79827), (774, 79872), (783, 79890), (820, 79974), (828, 79995), (833, 80022), (837, 80037), (853, 80070), (858, 80094), (864, 80118), (874, 80154), (884, 80181),

Gene: Rachaly_45 Start: 31989, Stop: 30202, Start Num: 181

Candidate Starts for Rachaly_45:

(Start: 181 @31989 has 918 MA's), (275, 31782), (277, 31776), (291, 31746), (302, 31713), (303, 31710), (316, 31668), (323, 31656), (378, 31503), (438, 31410), (458, 31362), (466, 31353), (472, 31338), (499, 31272), (560, 31143), (628, 30999), (649, 30918), (667, 30867), (676, 30834), (677, 30831), (692, 30765), (706, 30726), (722, 30705), (745, 30630), (750, 30618), (782, 30540), (801, 30504), (816, 30486), (828, 30450), (832, 30426), (859, 30348), (874, 30291), (880, 30279), (884, 30270),

Gene: Rahalelujah_44 Start: 30731, Stop: 28938, Start Num: 181

Candidate Starts for Rahalelujah_44:

(Start: 181 @30731 has 918 MA's), (187, 30722), (214, 30680), (244, 30593), (273, 30527), (277, 30518), (282, 30509), (289, 30491), (303, 30449), (311, 30422), (316, 30407), (323, 30395), (341, 30344), (378, 30242), (433, 30164), (438, 30149), (466, 30092), (514, 29981), (557, 29885), (586, 29822), (616, 29783), (618, 29777), (649, 29654), (680, 29558), (685, 29531), (692, 29501), (706, 29462), (728, 29420), (767, 29303), (813, 29228), (828, 29186), (859, 29084), (874, 29027), (880, 29015), (884, 29006),

Gene: Raid_45 Start: 34729, Stop: 32903, Start Num: 181

Candidate Starts for Raid_45:

(Start: 181 @34729 has 918 MA's), (277, 34516), (302, 34453), (311, 34423), (318, 34402), (323, 34396), (328, 34387), (335, 34363), (369, 34270), (378, 34243), (438, 34150), (443, 34135), (483, 34051), (484, 34048), (514, 33982), (530, 33952), (542, 33922), (562, 33877), (583, 33838), (649, 33658), (665, 33610), (677, 33571), (692, 33505), (706, 33466), (722, 33445), (728, 33424), (733, 33406), (757, 33340), (828, 33190), (829, 33187), (836, 33151), (846, 33127), (852, 33118), (856, 33106), (874, 33031), (884, 33010),

Gene: RainyPolka_49 Start: 39380, Stop: 37371, Start Num: 232

Candidate Starts for RainyPolka_49:

(Start: 232 @39380 has 11 MA's), (261, 39311), (279, 39269), (291, 39242), (310, 39179), (312, 39173), (314, 39167), (332, 39119), (335, 39107), (344, 39080), (352, 39056), (375, 38996), (383, 38972), (393, 38933), (394, 38930), (413, 38846), (447, 38750), (484, 38663), (494, 38639), (499, 38627), (502, 38615), (539, 38546), (632, 38294), (638, 38279), (650, 38222), (656, 38207), (658, 38201), (672, 38159), (678, 38129), (685, 38096), (693, 38063), (696, 38042), (700, 38024), (705, 38000), (719, 37943), (739, 37859), (748, 37841), (750, 37835), (753, 37829), (758, 37814), (761, 37805), (813, 37673), (828, 37628), (832, 37604), (833, 37601), (856, 37547), (859, 37529), (868, 37496), (874, 37472), (884, 37451), (893, 37424),

Gene: Rajelicia_46 Start: 35200, Stop: 33413, Start Num: 181

Candidate Starts for Rajelicia_46:

(Start: 181 @35200 has 918 MA's), (277, 34987), (285, 34972), (311, 34894), (318, 34873), (323, 34867), (328, 34858), (369, 34741), (378, 34714), (438, 34621), (443, 34606), (483, 34522), (484, 34519), (514, 34453), (530, 34423), (542, 34393), (562, 34348), (583, 34309), (649, 34129), (665, 34081), (677, 34042), (692, 33976), (725, 33904), (728, 33895), (757, 33811), (796, 33724), (846, 33598), (853, 33586), (874, 33502), (878, 33496),

Gene: RanchParmCat_48 Start: 34005, Stop: 31612, Start Num: 26

Candidate Starts for RanchParmCat_48:

(8, 34134), (9, 34125), (Start: 26 @34005 has 25 MA's), (Start: 37 @33939 has 1 MA's), (50, 33873), (57, 33816), (69, 33777), (73, 33753), (80, 33732), (132, 33642), (164, 33594), (Start: 172 @33579 has 3 MA's), (204, 33531), (217, 33501), (239, 33450), (240, 33444), (242, 33438), (274, 33366), (287, 33342), (296, 33318), (329, 33243), (335, 33222), (355, 33162), (372, 33117), (391, 33069), (425, 32961), (427, 32955), (455, 32874), (496, 32826), (558, 32766), (596, 32694), (618, 32652), (621, 32640), (653, 32499), (656, 32475), (659, 32466), (672, 32424), (692, 32331), (705, 32295), (707, 32289), (711, 32277), (718, 32253), (729, 32220), (735, 32196), (740, 32178), (768, 32085), (810, 31989), (817, 31977), (818, 31974), (829, 31938), (832, 31917), (842, 31884), (851, 31866), (867, 31797), (874, 31770), (880, 31746), (922, 31638), (928, 31626),

Gene: Rapheph_39 Start: 28930, Stop: 27065, Start Num: 211

Candidate Starts for Rapheph_39:

(Start: 140 @29017 has 3 MA's), (Start: 142 @29014 has 1 MA's), (Start: 211 @28930 has 115 MA's), (Start: 215 @28921 has 5 MA's), (255, 28816), (259, 28807), (275, 28777), (276, 28774), (332, 28654), (335, 28642), (338, 28636), (374, 28531), (384, 28504), (434, 28363), (435, 28357), (437, 28354), (440, 28342), (450, 28315), (451, 28312), (458, 28297), (461, 28291), (466, 28285), (481, 28252), (561, 28123), (584, 28063), (685, 27748), (688, 27739), (689, 27736), (692, 27718), (707, 27676), (709, 27670), (712, 27661), (718, 27646), (735, 27589), (787, 27430), (802, 27400), (804, 27391), (829, 27331), (833, 27307), (846, 27268), (857, 27235), (858, 27223), (874, 27163),

Gene: Raptor_39 Start: 28934, Stop: 27069, Start Num: 211

Candidate Starts for Raptor_39:

(Start: 140 @29021 has 3 MA's), (Start: 211 @28934 has 115 MA's), (Start: 215 @28925 has 5 MA's), (255, 28820), (259, 28811), (275, 28781), (276, 28778), (332, 28658), (335, 28646), (338, 28640), (374, 28535), (384, 28508), (434, 28367), (435, 28361), (437, 28358), (440, 28346), (450, 28319), (451, 28316), (458, 28301), (461, 28295), (466, 28289), (481, 28256), (561, 28127), (584, 28067), (685, 27752), (688, 27743), (689, 27740), (692, 27722), (707, 27680), (709, 27674), (718, 27650), (735, 27593), (787, 27434), (802, 27404), (804, 27395), (829, 27335), (833, 27311), (846, 27272), (857, 27239), (858, 27227), (874, 27167),

Gene: Rasputia_89 Start: 56570, Stop: 58606, Start Num: 124

Candidate Starts for Rasputia_89:

(Start: 124 @56570 has 4 MA's), (132, 56582), (161, 56627), (189, 56669), (Start: 215 @56711 has 5 MA's), (287, 56894), (288, 56897), (293, 56909), (304, 56948), (305, 56954), (355, 57086), (366, 57116), (410, 57230), (441, 57323), (451, 57350), (482, 57416), (502, 57458), (515, 57473), (550, 57512), (555, 57524), (559, 57530), (565, 57545), (587, 57611), (662, 57812), (692, 57926), (735, 58061), (757, 58136), (767, 58169), (797, 58241), (818, 58283), (825, 58307), (829, 58319), (833, 58343), (835, 58349), (839, 58364), (850, 58394), (854, 58412), (860, 58439), (862, 58445), (869, 58472), (874, 58493), (877, 58511), (882, 58523), (889, 58541), (907, 58601),

Gene: Rasputin_36 Start: 28083, Stop: 26299, Start Num: 181

Candidate Starts for Rasputin_36:

(Start: 181 @28083 has 918 MA's), (288, 27849), (299, 27819), (301, 27810), (302, 27807), (316, 27762), (323, 27750), (341, 27699), (378, 27597), (391, 27576), (438, 27504), (455, 27459), (458, 27456), (480, 27414), (482, 27408), (489, 27393), (499, 27366), (549, 27261), (553, 27252), (562, 27234), (583, 27195), (618, 27138), (649, 27015), (665, 26967), (692, 26862), (693, 26859), (722, 26802), (728, 26781), (741, 26733), (769, 26658), (813, 26589), (828, 26547), (832, 26523), (859, 26445), (874, 26388), (880, 26376), (884, 26367), (894, 26337), (900, 26319),

Gene: Ravana_49 Start: 30371, Stop: 28581, Start Num: 181

Candidate Starts for Ravana_49:

(Start: 181 @30371 has 918 MA's), (302, 30092), (303, 30089), (311, 30062), (323, 30035), (378, 29882), (438, 29789), (455, 29744), (458, 29741), (466, 29732), (542, 29561), (549, 29543), (560, 29522), (562, 29516), (583, 29477), (619, 29417), (628, 29378), (644, 29327), (646, 29318), (649, 29297), (667, 29246), (676, 29213), (685, 29174), (692, 29144), (722, 29084), (728, 29063), (739, 29021), (751, 28994), (757, 28979), (796, 28892), (828, 28829), (829, 28826), (874, 28670), (880, 28658), (900, 28601),

Gene: ReMo_46 Start: 29740, Stop: 27950, Start Num: 181

Candidate Starts for ReMo_46:

(Start: 181 @29740 has 918 MA's), (261, 29566), (302, 29461), (303, 29458), (311, 29431), (323, 29404), (341, 29353), (378, 29251), (438, 29158), (455, 29113), (458, 29110), (466, 29101), (539, 28939), (549, 28912), (560, 28891), (562, 28885), (619, 28786), (628, 28747), (644, 28696), (649, 28666), (667, 28615), (676, 28582), (683, 28549), (685, 28543), (692, 28513), (722, 28453), (728, 28432), (739, 28390), (751, 28363), (757, 28348), (796, 28261), (828, 28198), (829, 28195), (874, 28039), (880, 28027), (885, 28015),

Gene: Reba_48 Start: 31412, Stop: 29598, Start Num: 181

Candidate Starts for Reba_48:

(Start: 181 @31412 has 918 MA's), (206, 31373), (214, 31361), (273, 31208), (281, 31193), (302, 31136), (323, 31079), (328, 31070), (341, 31028), (360, 30977), (378, 30926), (438, 30833), (458, 30785), (472, 30761), (489, 30722), (499, 30695), (514, 30665), (555, 30572), (562, 30560), (584, 30512), (595, 30497), (649, 30341), (667, 30290), (676, 30257), (677, 30254), (692, 30188), (706, 30149), (729, 30077), (739, 30038), (750, 30014), (757, 29996), (767, 29963), (816, 29882), (832, 29822), (837, 29804), (859, 29744), (862, 29735), (874, 29687), (880, 29675), (884, 29666),

Gene: Rebeuca_44 Start: 31493, Stop: 29658, Start Num: 181

Candidate Starts for Rebeuca_44:

(Start: 181 @31493 has 918 MA's), (214, 31442), (238, 31376), (273, 31289), (285, 31265), (299, 31229), (302, 31217), (323, 31160), (328, 31151), (378, 31007), (414, 30965), (438, 30914), (460, 30866), (489, 30806), (548, 30677), (549, 30674), (560, 30653), (562, 30647), (618, 30539), (649, 30416), (665, 30368), (685, 30293), (692, 30263), (706, 30224), (728, 30155), (729, 30152), (739, 30113), (750, 30089), (753, 30083), (757, 30071), (832, 29882), (839, 29858), (862, 29795), (874, 29747), (880, 29735), (884, 29726),

Gene: RedBaron_45 Start: 32770, Stop: 30377, Start Num: 20

Candidate Starts for RedBaron_45:

(Start: 20 @32770 has 19 MA's), (28, 32764), (Start: 35 @32716 has 1 MA's), (43, 32674), (49, 32650), (69, 32524), (73, 32500), (97, 32455), (123, 32404), (132, 32389), (Start: 142 @32368 has 1 MA's), (176, 32320), (204, 32278), (238, 32203), (240, 32191), (274, 32122), (290, 32089), (296, 32074), (312, 32020), (313, 32017), (329, 31999), (335, 31978), (355, 31918), (404, 31795), (405, 31789), (427, 31720), (440, 31678), (496, 31591), (519, 31567), (542, 31561), (552, 31537), (556, 31528), (563, 31513), (570, 31501), (590, 31459), (596, 31456), (598, 31453), (648, 31306), (659, 31237), (661, 31231), (672, 31195), (692, 31102), (694, 31093), (705, 31066), (707, 31060), (709, 31054), (711, 31048), (729, 30991), (735, 30967), (745, 30922), (873, 30544), (874, 30541), (889, 30496),

(891, 30487), (911, 30427),

Gene: RedRock_46 Start: 32469, Stop: 30682, Start Num: 181

Candidate Starts for RedRock_46:

(Start: 181 @32469 has 918 MA's), (273, 32265), (275, 32262), (286, 32241), (291, 32226), (302, 32193), (311, 32163), (323, 32136), (332, 32115), (378, 31983), (438, 31890), (458, 31842), (466, 31833), (472, 31818), (499, 31752), (539, 31671), (560, 31623), (596, 31551), (628, 31479), (649, 31398), (667, 31347), (676, 31314), (677, 31311), (692, 31245), (706, 31206), (722, 31185), (728, 31164), (816, 30966), (828, 30930), (829, 30927), (832, 30906), (855, 30849), (859, 30828), (874, 30771), (880, 30759), (884, 30750),

Gene: Redfield_38 Start: 29054, Stop: 27189, Start Num: 211

Candidate Starts for Redfield_38:

(Start: 211 @29054 has 115 MA's), (Start: 215 @29045 has 5 MA's), (330, 28781), (335, 28766), (338, 28760), (384, 28628), (406, 28574), (434, 28487), (437, 28478), (440, 28466), (450, 28439), (451, 28436), (458, 28421), (461, 28415), (630, 28085), (685, 27872), (688, 27863), (689, 27860), (692, 27842), (707, 27800), (720, 27770), (735, 27713), (787, 27554), (802, 27524), (829, 27455), (833, 27431), (835, 27425), (846, 27392), (857, 27359), (858, 27347),

Gene: Reedo_40 Start: 27887, Stop: 29797, Start Num: 181

Candidate Starts for Reedo_40:

(62, 27626), (93, 27752), (Start: 181 @27887 has 918 MA's), (213, 27935), (261, 28061), (273, 28091), (311, 28184), (318, 28205), (345, 28274), (440, 28526), (443, 28535), (489, 28634), (494, 28649), (560, 28787), (619, 28925), (628, 28964), (649, 29045), (677, 29132), (685, 29168), (690, 29189), (692, 29198), (750, 29363), (754, 29372), (874, 29693), (879, 29702),

Gene: Refuge_44 Start: 32644, Stop: 30800, Start Num: 181

Candidate Starts for Refuge_44:

(Start: 181 @32644 has 918 MA's), (204, 32608), (213, 32596), (214, 32593), (236, 32533), (238, 32527), (261, 32470), (277, 32431), (302, 32365), (303, 32362), (323, 32308), (332, 32287), (374, 32167), (378, 32155), (438, 32062), (458, 32014), (466, 32005), (472, 31990), (499, 31924), (524, 31876), (553, 31807), (595, 31726), (617, 31684), (628, 31639), (638, 31612), (649, 31558), (667, 31507), (677, 31471), (692, 31405), (706, 31366), (722, 31345), (728, 31324), (801, 31144), (828, 31090), (829, 31087), (832, 31066), (855, 31009), (859, 30988), (874, 30931), (880, 30919), (900, 30862),

Gene: ReginaGlobina_98 Start: 78225, Stop: 79943, Start Num: 227

Candidate Starts for ReginaGlobina_98:

(Start: 190 @78150 has 7 MA's), (Start: 219 @78204 has 1 MA's), (Start: 223 @78213 has 1 MA's), (227, 78225), (314, 78444), (326, 78462), (335, 78489), (338, 78495), (381, 78600), (476, 78747), (489, 78774), (494, 78789), (521, 78843), (618, 79044), (624, 79071), (634, 79104), (646, 79143), (649, 79164), (650, 79170), (683, 79287), (705, 79371), (706, 79374), (726, 79437), (730, 79449), (739, 79485), (754, 79518), (774, 79572), (783, 79590), (828, 79695), (833, 79722), (837, 79737), (853, 79770), (855, 79776), (858, 79794), (862, 79806), (864, 79818), (865, 79821), (874, 79854), (892, 79905),

Gene: Relief_44 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for Relief_44:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: Remus_47 Start: 29659, Stop: 27869, Start Num: 181

Candidate Starts for Remus_47:

(Start: 181 @29659 has 918 MA's), (261, 29485), (302, 29380), (303, 29377), (311, 29350), (323, 29323), (341, 29272), (378, 29170), (438, 29077), (455, 29032), (458, 29029), (466, 29020), (539, 28858), (549, 28831), (560, 28810), (562, 28804), (619, 28705), (628, 28666), (644, 28615), (649, 28585), (667, 28534), (676, 28501), (685, 28462), (692, 28432), (722, 28372), (728, 28351), (739, 28309), (751, 28282), (796, 28180), (828, 28117), (829, 28114), (874, 27958), (880, 27946), (885, 27934),

Gene: RemusLoopin_36 Start: 28123, Stop: 30075, Start Num: 181

Candidate Starts for RemusLoopin_36:

(Start: 181 @28123 has 918 MA's), (195, 28144), (224, 28204), (273, 28333), (298, 28390), (311, 28435), (312, 28438), (380, 28621), (427, 28672), (440, 28711), (466, 28768), (472, 28783), (483, 28810), (488, 28819), (489, 28822), (490, 28825), (496, 28840), (510, 28873), (549, 28954), (560, 28975), (565, 28987), (614, 29119), (649, 29254), (665, 29302), (677, 29341), (678, 29344), (683, 29371), (690, 29398), (692, 29407), (704, 29437), (711, 29461), (733, 29524), (799, 29680), (820, 29722), (825, 29734), (832, 29767), (836, 29782), (839, 29791), (853, 29818), (874, 29902), (880, 29914), (903, 29977),

Gene: RenegadeRaider_39 Start: 28571, Stop: 26721, Start Num: 207

Candidate Starts for RenegadeRaider_39:

(Start: 207 @28571 has 19 MA's), (259, 28448), (276, 28415), (329, 28304), (335, 28283), (338, 28277), (340, 28268), (354, 28226), (415, 28070), (434, 28016), (435, 28010), (437, 28007), (440, 27995), (451, 27965), (480, 27908), (602, 27692), (630, 27614), (685, 27404), (689, 27392), (692, 27374), (707, 27332), (735, 27245), (802, 27056), (804, 27047), (829, 26987), (833, 26963), (839, 26942), (844, 26930), (874, 26819),

Gene: Renzie_39 Start: 28913, Stop: 27057, Start Num: 215

Candidate Starts for Renzie_39:

(Start: 140 @29009 has 3 MA's), (Start: 211 @28922 has 115 MA's), (Start: 215 @28913 has 5 MA's), (255, 28808), (259, 28799), (275, 28769), (276, 28766), (332, 28646), (335, 28634), (338, 28628), (374, 28523), (384, 28496), (434, 28355), (435, 28349), (437, 28346), (440, 28334), (450, 28307), (451, 28304), (458, 28289), (461, 28283), (466, 28277), (481, 28244), (561, 28115), (584, 28055), (685, 27740), (688, 27731), (689, 27728), (692, 27710), (707, 27668), (709, 27662), (718, 27638), (735, 27581), (787, 27422), (802, 27392), (804, 27383), (829, 27323), (833, 27299), (846, 27260), (857, 27227), (858, 27215), (874, 27155),

Gene: ResDef_44 Start: 31597, Stop: 29759, Start Num: 181

Candidate Starts for ResDef_44:

(Start: 181 @31597 has 918 MA's), (214, 31546), (273, 31393), (302, 31321), (311, 31291), (323, 31264), (328, 31255), (378, 31111), (438, 31015), (460, 30967), (489, 30907), (531, 30820), (549, 30775), (560, 30754), (596, 30682), (618, 30640), (628, 30598), (649, 30517), (665, 30469), (677, 30430), (685, 30394), (692, 30364), (704, 30334), (729, 30253), (739, 30214), (750, 30190), (757, 30172), (758, 30169), (816, 30043), (832, 29983), (862, 29896), (874, 29848), (880, 29836), (884, 29827),

Gene: Retro23_45 Start: 31674, Stop: 29887, Start Num: 181

Candidate Starts for Retro23_45:

(Start: 181 @31674 has 918 MA's), (273, 31470), (275, 31467), (277, 31461), (286, 31446), (291, 31431), (302, 31398), (303, 31395), (311, 31368), (323, 31341), (332, 31320), (378, 31188), (438, 31095), (451, 31059), (458, 31047), (466, 31038), (472, 31023), (499, 30957), (539, 30876), (560, 30828), (562, 30822), (595, 30759), (649, 30603), (667, 30552), (676, 30519), (677, 30516), (692,

30450), (706, 30411), (722, 30390), (745, 30315), (750, 30303), (801, 30189), (816, 30171), (828, 30135), (832, 30111), (859, 30033), (874, 29976), (880, 29964), (884, 29955),

Gene: RexFury_36 Start: 28144, Stop: 26360, Start Num: 181

Candidate Starts for RexFury_36:

(Start: 181 @28144 has 918 MA's), (288, 27910), (299, 27880), (301, 27871), (302, 27868), (316, 27823), (323, 27811), (341, 27760), (378, 27658), (391, 27637), (438, 27565), (455, 27520), (458, 27517), (480, 27475), (482, 27469), (489, 27454), (499, 27427), (549, 27322), (553, 27313), (562, 27295), (564, 27292), (583, 27256), (618, 27199), (649, 27076), (665, 27028), (692, 26923), (693, 26920), (722, 26863), (728, 26842), (729, 26839), (741, 26794), (769, 26719), (813, 26650), (828, 26608), (832, 26584), (859, 26506), (874, 26449), (880, 26437), (884, 26428), (894, 26398), (900, 26380),

Gene: Rhodalyssa_36 Start: 28113, Stop: 26329, Start Num: 181

Candidate Starts for Rhodalyssa_36:

(Start: 181 @28113 has 918 MA's), (288, 27879), (299, 27849), (301, 27840), (302, 27837), (316, 27792), (323, 27780), (341, 27729), (378, 27627), (391, 27606), (438, 27534), (455, 27489), (458, 27486), (480, 27444), (482, 27438), (489, 27423), (499, 27396), (549, 27291), (553, 27282), (562, 27264), (564, 27261), (583, 27225), (649, 27045), (665, 26997), (692, 26892), (693, 26889), (722, 26832), (728, 26811), (741, 26763), (769, 26688), (813, 26619), (828, 26577), (832, 26553), (859, 26475), (874, 26418), (880, 26406), (884, 26397), (894, 26367), (900, 26349),

Gene: RhynO_45 Start: 31292, Stop: 29457, Start Num: 181

Candidate Starts for RhynO_45:

(Start: 181 @31292 has 918 MA's), (214, 31241), (238, 31175), (273, 31088), (285, 31064), (299, 31028), (302, 31016), (323, 30959), (328, 30950), (358, 30866), (370, 30830), (374, 30818), (378, 30806), (438, 30713), (460, 30665), (489, 30605), (548, 30476), (549, 30473), (560, 30452), (562, 30446), (618, 30338), (649, 30215), (665, 30167), (685, 30092), (692, 30062), (706, 30023), (728, 29954), (729, 29951), (739, 29912), (750, 29888), (753, 29882), (757, 29870), (805, 29762), (832, 29681), (839, 29657), (862, 29594), (874, 29546), (880, 29534), (884, 29525),

Gene: Rhynn_44 Start: 34513, Stop: 32687, Start Num: 181

Candidate Starts for Rhynn_44:

(Start: 181 @34513 has 918 MA's), (277, 34300), (302, 34237), (311, 34207), (318, 34186), (323, 34180), (328, 34171), (369, 34054), (378, 34027), (438, 33934), (443, 33919), (458, 33886), (483, 33835), (484, 33832), (514, 33766), (530, 33736), (542, 33706), (562, 33661), (583, 33622), (649, 33442), (665, 33394), (677, 33355), (692, 33289), (706, 33250), (722, 33229), (728, 33208), (733, 33190), (757, 33124), (828, 32974), (829, 32971), (836, 32935), (846, 32911), (852, 32902), (856, 32890), (874, 32815), (884, 32794),

Gene: RidgeCB_44 Start: 34287, Stop: 32458, Start Num: 181

Candidate Starts for RidgeCB_44:

(Start: 181 @34287 has 918 MA's), (277, 34074), (302, 34011), (311, 33981), (318, 33960), (323, 33954), (369, 33828), (378, 33801), (438, 33708), (443, 33693), (483, 33609), (484, 33606), (514, 33540), (530, 33510), (542, 33480), (562, 33435), (583, 33396), (649, 33216), (665, 33168), (680, 33120), (689, 33081), (692, 33063), (706, 33024), (722, 33003), (728, 32982), (732, 32967), (779, 32844), (853, 32673), (858, 32649), (871, 32601), (874, 32589), (884, 32568), (887, 32562), (903, 32514), (908, 32499),

Gene: Rifter_47 Start: 29753, Stop: 27954, Start Num: 181

Candidate Starts for Rifter_47:

(Start: 181 @29753 has 918 MA's), (273, 29549), (277, 29540), (302, 29474), (303, 29471), (311, 29444), (316, 29429), (323, 29417), (341, 29366), (374, 29276), (378, 29264), (438, 29171), (458,

29123), (466, 29114), (547, 28931), (622, 28781), (649, 28676), (667, 28619), (677, 28583), (680, 28574), (685, 28547), (692, 28517), (706, 28478), (722, 28457), (731, 28424), (733, 28418), (767, 28319), (801, 28256), (828, 28202), (832, 28178), (855, 28121), (874, 28043), (880, 28031), (884, 28022), (885, 28019),

Gene: Ringer_46 Start: 35532, Stop: 33745, Start Num: 181

Candidate Starts for Ringer_46:

(Start: 181 @35532 has 918 MA's), (277, 35319), (285, 35304), (311, 35226), (318, 35205), (323, 35199), (328, 35190), (369, 35073), (378, 35046), (438, 34953), (443, 34938), (458, 34905), (483, 34854), (484, 34851), (514, 34785), (530, 34755), (542, 34725), (562, 34680), (583, 34641), (649, 34461), (665, 34413), (677, 34374), (692, 34308), (725, 34236), (728, 34227), (757, 34143), (796, 34056), (846, 33930), (853, 33918), (874, 33834), (878, 33828),

Gene: Rings_55 Start: 36927, Stop: 34759, Start Num: 158

Candidate Starts for Rings_55:

(155, 36930), (Start: 158 @36927 has 13 MA's), (195, 36873), (Start: 230 @36789 has 5 MA's), (278, 36663), (289, 36636), (293, 36627), (306, 36582), (328, 36504), (330, 36495), (335, 36480), (341, 36465), (342, 36462), (362, 36405), (393, 36312), (401, 36270), (473, 36063), (475, 36057), (486, 36033), (493, 36012), (501, 35991), (505, 35976), (509, 35970), (541, 35907), (562, 35856), (587, 35769), (616, 35709), (628, 35661), (652, 35559), (655, 35553), (669, 35526), (670, 35523), (676, 35502), (686, 35460), (688, 35454), (693, 35430), (707, 35388), (708, 35385), (716, 35358), (723, 35325), (727, 35313), (736, 35277), (745, 35253), (748, 35247), (750, 35241), (768, 35187), (792, 35139), (795, 35136), (820, 35076), (828, 35052), (834, 35022), (854, 34968), (871, 34899), (874, 34887), (885, 34848),

Gene: Riyhil_39 Start: 28940, Stop: 27075, Start Num: 211

Candidate Starts for Riyhil_39:

(Start: 140 @29027 has 3 MA's), (Start: 142 @29024 has 1 MA's), (Start: 211 @28940 has 115 MA's), (Start: 215 @28931 has 5 MA's), (255, 28826), (259, 28817), (275, 28787), (276, 28784), (332, 28664), (335, 28652), (338, 28646), (374, 28541), (384, 28514), (434, 28373), (435, 28367), (437, 28364), (440, 28352), (450, 28325), (451, 28322), (458, 28307), (461, 28301), (466, 28295), (481, 28262), (561, 28133), (584, 28073), (685, 27758), (688, 27749), (689, 27746), (692, 27728), (707, 27686), (709, 27680), (712, 27671), (718, 27656), (735, 27599), (787, 27440), (802, 27410), (804, 27401), (829, 27341), (833, 27317), (846, 27278), (857, 27245), (858, 27233), (874, 27173),

Gene: Roary_43 Start: 30556, Stop: 28712, Start Num: 181

Candidate Starts for Roary_43:

(89, 30721), (Start: 181 @30556 has 918 MA's), (214, 30505), (261, 30382), (273, 30352), (291, 30313), (302, 30280), (311, 30250), (318, 30229), (323, 30223), (328, 30214), (360, 30121), (378, 30070), (438, 29974), (442, 29962), (448, 29947), (455, 29929), (458, 29926), (466, 29917), (489, 29863), (499, 29836), (524, 29788), (562, 29704), (586, 29653), (596, 29638), (646, 29491), (649, 29470), (660, 29440), (665, 29422), (667, 29419), (674, 29404), (677, 29383), (680, 29374), (685, 29347), (689, 29335), (692, 29317), (728, 29236), (731, 29224), (750, 29170), (763, 29134), (796, 29065), (813, 29044), (816, 29038), (829, 28999), (832, 28978), (837, 28960), (874, 28843), (880, 28831),

Gene: Roberts_40 Start: 28660, Stop: 26870, Start Num: 167

Candidate Starts for Roberts_40:

(129, 28720), (146, 28696), (Start: 158 @28675 has 13 MA's), (167, 28660), (Start: 174 @28651 has 2 MA's), (Start: 232 @28528 has 11 MA's), (252, 28480), (312, 28342), (314, 28336), (335, 28288), (371, 28207), (373, 28201), (381, 28177), (438, 28108), (476, 28027), (489, 28000), (494, 27985), (525, 27922), (550, 27865), (562, 27841), (565, 27835), (583, 27799), (603, 27763), (634, 27691), (646, 27649), (650, 27622), (681, 27526), (686, 27502), (692, 27475), (706, 27436), (730, 27361), (754,

27292), (769, 27244), (782, 27223), (807, 27169), (815, 27154), (833, 27088), (855, 27031), (859, 27010), (860, 27007), (864, 26989), (869, 26974),

Gene: Robinson_39 Start: 28928, Stop: 27063, Start Num: 211

Candidate Starts for Robinson_39:

(Start: 140 @29015 has 3 MA's), (Start: 142 @29012 has 1 MA's), (Start: 211 @28928 has 115 MA's), (Start: 215 @28919 has 5 MA's), (255, 28814), (259, 28805), (275, 28775), (276, 28772), (332, 28652), (335, 28640), (338, 28634), (374, 28529), (384, 28502), (434, 28361), (435, 28355), (437, 28352), (440, 28340), (450, 28313), (451, 28310), (458, 28295), (461, 28289), (466, 28283), (481, 28250), (561, 28121), (584, 28061), (685, 27746), (688, 27737), (689, 27734), (692, 27716), (707, 27674), (709, 27668), (712, 27659), (718, 27644), (735, 27587), (787, 27428), (802, 27398), (804, 27389), (829, 27329), (833, 27305), (846, 27266), (857, 27233), (858, 27221), (874, 27161),

Gene: RockScotty_37 Start: 27507, Stop: 29489, Start Num: 181

Candidate Starts for RockScotty_37:

(Start: 181 @27507 has 918 MA's), (261, 27681), (273, 27711), (293, 27744), (303, 27777), (332, 27852), (340, 27879), (377, 27981), (420, 28080), (489, 28254), (499, 28281), (560, 28410), (619, 28548), (643, 28635), (649, 28668), (660, 28698), (677, 28755), (692, 28821), (726, 28914), (756, 29001), (832, 29181), (839, 29205), (874, 29316), (919, 29424),

Gene: Rockabye_103 Start: 71780, Stop: 73480, Start Num: 232

Candidate Starts for Rockabye_103:

(Start: 190 @71684 has 7 MA's), (Start: 223 @71747 has 1 MA's), (Start: 232 @71780 has 11 MA's), (295, 71915), (326, 71996), (335, 72023), (338, 72029), (381, 72134), (434, 72191), (476, 72281), (489, 72308), (494, 72323), (583, 72512), (587, 72527), (624, 72608), (634, 72641), (644, 72671), (646, 72680), (649, 72701), (650, 72707), (683, 72824), (705, 72908), (726, 72974), (730, 72986), (739, 73022), (754, 73055), (774, 73109), (788, 73136), (833, 73259), (835, 73265), (853, 73307), (855, 73313), (858, 73331), (874, 73391), (892, 73442),

Gene: RockieBear_44 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for RockieBear_44:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Rockstar_45 Start: 30972, Stop: 29134, Start Num: 181

Candidate Starts for Rockstar_45:

(133, 31044), (Start: 181 @30972 has 918 MA's), (214, 30921), (273, 30768), (291, 30729), (302, 30696), (323, 30639), (328, 30630), (332, 30618), (370, 30510), (378, 30486), (438, 30390), (460, 30342), (489, 30282), (549, 30150), (560, 30129), (595, 30060), (618, 30015), (628, 29973), (649, 29892), (677, 29805), (685, 29769), (692, 29739), (729, 29628), (739, 29589), (750, 29565), (757, 29547), (813, 29424), (816, 29418), (832, 29358), (874, 29223), (880, 29211), (884, 29202),

Gene: Rog141_38 Start: 28619, Stop: 26754, Start Num: 211

Candidate Starts for Rog141_38:

(Start: 140 @28706 has 3 MA's), (Start: 142 @28703 has 1 MA's), (Start: 211 @28619 has 115 MA's), (Start: 215 @28610 has 5 MA's), (255, 28505), (259, 28496), (275, 28466), (276, 28463), (332, 28343), (335, 28331), (338, 28325), (374, 28220), (384, 28193), (434, 28052), (435, 28046), (437, 28043), (440, 28031), (450, 28004), (451, 28001), (458, 27986), (461, 27980), (466, 27974), (481, 27941), (561, 27812), (584, 27752), (685, 27437), (688, 27428), (689, 27425), (692, 27407), (707, 27365), (709, 27359), (712, 27350), (718, 27335), (735, 27278), (787, 27119), (802, 27089), (804, 27080),

(829, 27020), (833, 26996), (846, 26957), (857, 26924), (858, 26912), (874, 26852),

Gene: Rohr_45 Start: 34984, Stop: 33155, Start Num: 181

Candidate Starts for Rohr_45:

(Start: 181 @34984 has 918 MA's), (277, 34771), (285, 34756), (302, 34708), (311, 34678), (318, 34657), (323, 34651), (328, 34642), (369, 34525), (378, 34498), (438, 34405), (443, 34390), (483, 34306), (484, 34303), (514, 34237), (530, 34207), (542, 34177), (562, 34132), (583, 34093), (649, 33913), (665, 33865), (680, 33817), (689, 33778), (692, 33760), (706, 33721), (722, 33700), (728, 33679), (779, 33541), (853, 33370), (858, 33346), (867, 33313), (871, 33298), (874, 33286), (884, 33265), (887, 33259), (903, 33211), (908, 33196),

Gene: Roksolana_46 Start: 29675, Stop: 27834, Start Num: 181

Candidate Starts for Roksolana_46:

(Start: 157 @29705 has 1 MA's), (Start: 181 @29675 has 918 MA's), (273, 29471), (302, 29396), (303, 29393), (311, 29366), (316, 29351), (323, 29339), (341, 29288), (374, 29198), (378, 29186), (438, 29093), (453, 29054), (466, 29036), (472, 29021), (499, 28955), (516, 28922), (517, 28919), (564, 28817), (595, 28757), (628, 28673), (649, 28592), (676, 28508), (677, 28505), (680, 28496), (685, 28469), (692, 28439), (722, 28379), (733, 28340), (828, 28124), (829, 28121), (832, 28100), (874, 27965), (880, 27953), (884, 27944), (885, 27941), (923, 27848),

Gene: Rollins_40 Start: 27521, Stop: 29389, Start Num: 168

Candidate Starts for Rollins_40:

(Start: 168 @27521 has 7 MA's), (Start: 171 @27524 has 61 MA's), (173, 27527), (Start: 219 @27596 has 1 MA's), (333, 27878), (341, 27905), (366, 27959), (453, 28124), (489, 28199), (497, 28220), (635, 28574), (649, 28634), (667, 28685), (683, 28751), (692, 28787), (726, 28880), (793, 29051), (828, 29123), (855, 29204), (873, 29279), (874, 29282), (884, 29303), (910, 29372),

Gene: Romney_45 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for Romney_45:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: Rona_40 Start: 29912, Stop: 31783, Start Num: 171

Candidate Starts for Rona_40:

(Start: 171 @29912 has 61 MA's), (263, 30095), (281, 30134), (293, 30152), (315, 30224), (328, 30248), (332, 30260), (333, 30263), (366, 30344), (468, 30536), (489, 30584), (531, 30674), (594, 30815), (635, 30938), (649, 30998), (674, 31064), (675, 31079), (683, 31115), (686, 31124), (692, 31151), (726, 31244), (758, 31337), (793, 31415), (828, 31487), (836, 31526), (855, 31568), (868, 31622), (874, 31646), (884, 31667), (892, 31691),

Gene: Roosevelt_44 Start: 31572, Stop: 29746, Start Num: 181

Candidate Starts for Roosevelt_44:

(Start: 181 @31572 has 918 MA's), (195, 31551), (214, 31521), (224, 31491), (291, 31329), (298, 31311), (323, 31239), (328, 31230), (370, 31110), (378, 31086), (438, 30993), (460, 30945), (472, 30924), (489, 30885), (549, 30753), (560, 30732), (583, 30687), (586, 30675), (646, 30522), (649, 30501), (685, 30378), (692, 30348), (706, 30309), (728, 30243), (729, 30240), (733, 30225), (739, 30201), (750, 30177), (832, 29970), (874, 29835), (880, 29823), (884, 29814),

Gene: Rosa24_44 Start: 31601, Stop: 29775, Start Num: 181

Candidate Starts for Rosa24_44:

(Start: 181 @31601 has 918 MA's), (195, 31580), (214, 31550), (224, 31520), (291, 31358), (298, 31340), (323, 31268), (328, 31259), (370, 31139), (378, 31115), (438, 31022), (460, 30974), (472, 30953), (489, 30914), (549, 30782), (560, 30761), (583, 30716), (586, 30704), (646, 30551), (649, 30530), (685, 30407), (692, 30377), (706, 30338), (728, 30272), (729, 30269), (733, 30254), (739, 30230), (750, 30206), (832, 29999), (874, 29864), (880, 29852), (884, 29843),

Gene: Rosalind_46 Start: 29862, Stop: 28072, Start Num: 181

Candidate Starts for Rosalind_46:

(Start: 181 @29862 has 918 MA's), (261, 29688), (302, 29583), (303, 29580), (311, 29553), (323, 29526), (341, 29475), (378, 29373), (438, 29280), (455, 29235), (458, 29232), (466, 29223), (539, 29061), (549, 29034), (560, 29013), (562, 29007), (619, 28908), (628, 28869), (644, 28818), (649, 28788), (667, 28737), (676, 28704), (683, 28671), (685, 28665), (692, 28635), (722, 28575), (728, 28554), (739, 28512), (751, 28485), (757, 28470), (796, 28383), (828, 28320), (829, 28317), (874, 28161), (880, 28149), (885, 28137),

Gene: RosieMae_38 Start: 28677, Stop: 26812, Start Num: 211

Candidate Starts for RosieMae_38:

(Start: 140 @28764 has 3 MA's), (Start: 142 @28761 has 1 MA's), (Start: 211 @28677 has 115 MA's), (Start: 215 @28668 has 5 MA's), (255, 28563), (259, 28554), (275, 28524), (276, 28521), (332, 28401), (335, 28389), (338, 28383), (374, 28278), (384, 28251), (434, 28110), (435, 28104), (437, 28101), (440, 28089), (450, 28062), (451, 28059), (458, 28044), (461, 28038), (466, 28032), (481, 27999), (561, 27870), (584, 27810), (685, 27495), (688, 27486), (689, 27483), (692, 27465), (707, 27423), (709, 27417), (712, 27408), (718, 27393), (735, 27336), (787, 27177), (802, 27147), (804, 27138), (829, 27078), (833, 27054), (846, 27015), (857, 26982), (858, 26970), (874, 26910),

Gene: Rowa_41 Start: 29682, Stop: 31553, Start Num: 181

Candidate Starts for Rowa_41:

(156, 29652), (166, 29661), (Start: 181 @29682 has 918 MA's), (311, 29994), (328, 30045), (361, 30141), (366, 30153), (433, 30264), (461, 30333), (462, 30336), (489, 30396), (494, 30411), (496, 30414), (539, 30501), (542, 30510), (560, 30549), (586, 30612), (587, 30615), (634, 30753), (635, 30756), (642, 30774), (644, 30786), (646, 30795), (649, 30816), (650, 30822), (665, 30864), (676, 30900), (677, 30903), (685, 30939), (686, 30942), (690, 30960), (692, 30969), (704, 30999), (711, 31023), (754, 31143), (758, 31155), (765, 31173), (767, 31185), (770, 31194), (793, 31233), (795, 31236), (799, 31242), (801, 31248), (825, 31296), (846, 31368), (858, 31404), (874, 31464), (907, 31548),

Gene: Rowdy_48 Start: 31200, Stop: 29365, Start Num: 181

Candidate Starts for Rowdy_48:

(Start: 181 @31200 has 918 MA's), (214, 31149), (238, 31083), (273, 30996), (285, 30972), (299, 30936), (302, 30924), (323, 30867), (328, 30858), (358, 30774), (370, 30738), (374, 30726), (378, 30714), (438, 30621), (460, 30573), (489, 30513), (548, 30384), (549, 30381), (560, 30360), (562, 30354), (618, 30246), (649, 30123), (665, 30075), (685, 30000), (692, 29970), (706, 29931), (728, 29862), (729, 29859), (739, 29820), (750, 29796), (753, 29790), (757, 29778), (805, 29670), (832, 29589), (839, 29565), (862, 29502), (874, 29454), (880, 29442), (884, 29433),

Gene: Rubeus_45 Start: 33074, Stop: 31248, Start Num: 181

Candidate Starts for Rubeus_45:

(Start: 181 @33074 has 918 MA's), (277, 32861), (302, 32798), (311, 32768), (318, 32747), (323, 32741), (328, 32732), (369, 32615), (378, 32588), (438, 32495), (443, 32480), (483, 32396), (484, 32393), (514, 32327), (530, 32297), (542, 32267), (562, 32222), (583, 32183), (649, 32003), (665, 31955), (677, 31916), (692, 31850), (706, 31811), (722, 31790), (728, 31769), (733, 31751), (757, 31685), (828, 31535), (829, 31532), (836, 31496), (846, 31472), (852, 31463), (856, 31451), (874, 31376), (884, 31355),

Gene: Rufus_45 Start: 34607, Stop: 32778, Start Num: 181

Candidate Starts for Rufus_45:

(Start: 181 @34607 has 918 MA's), (277, 34394), (302, 34331), (311, 34301), (318, 34280), (323, 34274), (328, 34265), (369, 34148), (378, 34121), (438, 34028), (443, 34013), (483, 33929), (484, 33926), (514, 33860), (530, 33830), (542, 33800), (562, 33755), (583, 33716), (649, 33536), (665, 33488), (680, 33440), (689, 33401), (692, 33383), (706, 33344), (722, 33323), (728, 33302), (779, 33164), (853, 32993), (858, 32969), (867, 32936), (871, 32921), (874, 32909), (884, 32888), (887, 32882), (903, 32834), (908, 32819),

Gene: Ruin_45 Start: 31563, Stop: 29737, Start Num: 181

Candidate Starts for Ruin_45:

(Start: 181 @31563 has 918 MA's), (195, 31542), (214, 31512), (224, 31482), (291, 31320), (298, 31302), (323, 31230), (328, 31221), (370, 31101), (378, 31077), (438, 30984), (460, 30936), (472, 30915), (489, 30876), (549, 30744), (560, 30723), (583, 30678), (586, 30666), (646, 30513), (649, 30492), (685, 30369), (692, 30339), (706, 30300), (728, 30234), (729, 30231), (733, 30216), (739, 30192), (750, 30168), (832, 29961), (874, 29826), (880, 29814), (884, 29805),

Gene: Rummer_47 Start: 31884, Stop: 30070, Start Num: 181

Candidate Starts for Rummer_47:

(Start: 181 @31884 has 918 MA's), (206, 31845), (214, 31833), (273, 31680), (281, 31665), (302, 31608), (323, 31551), (328, 31542), (341, 31500), (360, 31449), (378, 31398), (420, 31344), (438, 31305), (458, 31257), (472, 31233), (489, 31194), (499, 31167), (514, 31137), (555, 31044), (562, 31032), (584, 30984), (595, 30969), (649, 30813), (667, 30762), (676, 30729), (677, 30726), (692, 30660), (706, 30621), (729, 30549), (739, 30510), (750, 30486), (757, 30468), (767, 30435), (816, 30354), (832, 30294), (862, 30207), (874, 30159), (880, 30147), (884, 30138), (885, 30135),

Gene: Ruotula_48 Start: 36337, Stop: 34550, Start Num: 181

Candidate Starts for Ruotula_48:

(Start: 181 @36337 has 918 MA's), (277, 36124), (285, 36109), (302, 36061), (311, 36031), (318, 36010), (323, 36004), (328, 35995), (369, 35878), (378, 35851), (438, 35758), (443, 35743), (458, 35710), (483, 35659), (484, 35656), (514, 35590), (530, 35560), (542, 35530), (562, 35485), (583, 35446), (649, 35266), (665, 35218), (677, 35179), (692, 35113), (725, 35041), (728, 35032), (757, 34948), (796, 34861), (846, 34735), (853, 34723), (868, 34663), (874, 34639), (878, 34633),

Gene: Rutherferd_47 Start: 35726, Stop: 33900, Start Num: 181

Candidate Starts for Rutherferd_47:

(Start: 181 @35726 has 918 MA's), (288, 35492), (302, 35450), (311, 35420), (318, 35399), (323, 35393), (328, 35384), (369, 35267), (378, 35240), (438, 35147), (443, 35132), (458, 35099), (483, 35048), (484, 35045), (514, 34979), (530, 34949), (542, 34919), (562, 34874), (583, 34835), (649, 34655), (665, 34607), (677, 34568), (692, 34502), (706, 34463), (722, 34442), (728, 34421), (733, 34403), (757, 34337), (828, 34187), (829, 34184), (836, 34148), (846, 34124), (856, 34103), (874, 34028), (884, 34007),

Gene: RyeScarlet_46 Start: 31507, Stop: 29714, Start Num: 181

Candidate Starts for RyeScarlet_46:

(Start: 181 @31507 has 918 MA's), (187, 31498), (214, 31456), (259, 31336), (261, 31333), (282, 31285), (303, 31225), (312, 31195), (316, 31183), (323, 31171), (378, 31018), (438, 30925), (499, 30787), (514, 30757), (586, 30598), (595, 30586), (616, 30559), (646, 30451), (649, 30430), (689, 30295), (692, 30277), (728, 30196), (739, 30154), (767, 30079), (813, 30004), (828, 29962), (859, 29860), (874, 29803), (880, 29791), (884, 29782),

Gene: SJReid_103 Start: 70795, Stop: 72594, Start Num: 190

Candidate Starts for SJReid_103:

(162, 70753), (Start: 190 @70795 has 7 MA's), (Start: 223 @70858 has 1 MA's), (Start: 231 @70888 has 7 MA's), (Start: 232 @70891 has 11 MA's), (295, 71026), (326, 71107), (335, 71134), (338, 71140), (381, 71245), (434, 71302), (476, 71392), (489, 71419), (494, 71434), (614, 71680), (624, 71719), (634, 71752), (646, 71791), (649, 71812), (650, 71818), (676, 71902), (682, 71929), (683, 71935), (705, 72019), (711, 72037), (726, 72085), (730, 72097), (739, 72133), (754, 72166), (774, 72220), (833, 72370), (837, 72385), (853, 72418), (855, 72424), (858, 72442), (864, 72466), (873, 72499), (874, 72502),

Gene: SJay_39 Start: 28931, Stop: 27066, Start Num: 211

Candidate Starts for SJay_39:

(Start: 140 @29018 has 3 MA's), (Start: 211 @28931 has 115 MA's), (Start: 215 @28922 has 5 MA's), (255, 28817), (259, 28808), (275, 28778), (276, 28775), (332, 28655), (335, 28643), (338, 28637), (374, 28532), (384, 28505), (434, 28364), (435, 28358), (437, 28355), (440, 28343), (450, 28316), (451, 28313), (458, 28298), (461, 28292), (466, 28286), (481, 28253), (561, 28124), (584, 28064), (685, 27749), (688, 27740), (689, 27737), (692, 27719), (707, 27677), (709, 27671), (718, 27647), (735, 27590), (787, 27431), (802, 27401), (804, 27392), (829, 27332), (833, 27308), (846, 27269), (857, 27236), (858, 27224), (874, 27164),

Gene: STLscum_46 Start: 35717, Stop: 33930, Start Num: 181

Candidate Starts for STLscum_46:

(Start: 181 @35717 has 918 MA's), (277, 35504), (302, 35441), (311, 35411), (318, 35390), (323, 35384), (328, 35375), (369, 35258), (378, 35231), (438, 35138), (443, 35123), (483, 35039), (484, 35036), (514, 34970), (530, 34940), (542, 34910), (562, 34865), (583, 34826), (649, 34646), (665, 34598), (677, 34559), (692, 34493), (725, 34421), (728, 34412), (757, 34328), (796, 34241), (846, 34115), (853, 34103), (868, 34043), (874, 34019), (878, 34013),

Gene: Sabertooth_45 Start: 31572, Stop: 29746, Start Num: 181

Candidate Starts for Sabertooth_45:

(Start: 181 @31572 has 918 MA's), (195, 31551), (214, 31521), (224, 31491), (291, 31329), (298, 31311), (323, 31239), (328, 31230), (370, 31110), (378, 31086), (438, 30993), (460, 30945), (472, 30924), (489, 30885), (549, 30753), (560, 30732), (583, 30687), (586, 30675), (646, 30522), (649, 30501), (685, 30378), (692, 30348), (706, 30309), (728, 30243), (729, 30240), (733, 30225), (739, 30201), (750, 30177), (832, 29970), (874, 29835), (880, 29823), (884, 29814),

Gene: Sabia_48 Start: 31846, Stop: 30032, Start Num: 181

Candidate Starts for Sabia_48:

(Start: 181 @31846 has 918 MA's), (206, 31807), (214, 31795), (273, 31642), (281, 31627), (302, 31570), (323, 31513), (328, 31504), (341, 31462), (360, 31411), (378, 31360), (438, 31267), (458, 31219), (466, 31210), (472, 31195), (489, 31156), (499, 31129), (514, 31099), (555, 31006), (584, 30946), (595, 30931), (649, 30775), (677, 30688), (692, 30622), (706, 30583), (729, 30511), (739, 30472), (750, 30448), (757, 30430), (767, 30397), (782, 30370), (816, 30316), (832, 30256), (859, 30178), (874, 30121), (880, 30109), (884, 30100),

Gene: Sabinator_47 Start: 31851, Stop: 30037, Start Num: 181

Candidate Starts for Sabinator_47:

(Start: 181 @31851 has 918 MA's), (206, 31812), (214, 31800), (273, 31647), (281, 31632), (302, 31575), (323, 31518), (328, 31509), (341, 31467), (360, 31416), (378, 31365), (438, 31272), (458, 31224), (466, 31215), (472, 31200), (489, 31161), (499, 31134), (514, 31104), (555, 31011), (595, 30936), (649, 30780), (677, 30693), (692, 30627), (706, 30588), (729, 30516), (739, 30477), (750, 30453), (757, 30435), (767, 30402), (782, 30375), (816, 30321), (832, 30261), (859, 30183), (874, 30126), (880, 30114), (884, 30105),

Gene: Sabourin_42 Start: 27589, Stop: 29571, Start Num: 181

Candidate Starts for Sabourin_42:

(Start: 181 @27589 has 918 MA's), (261, 27763), (293, 27826), (303, 27859), (332, 27934), (420, 28162), (489, 28336), (560, 28492), (619, 28630), (643, 28717), (649, 28750), (660, 28780), (677, 28837), (692, 28903), (726, 28996), (832, 29263), (839, 29287), (874, 29398), (919, 29506),

Gene: Sachima_42 Start: 31423, Stop: 29630, Start Num: 181

Candidate Starts for Sachima_42:

(Start: 181 @31423 has 918 MA's), (187, 31414), (214, 31372), (259, 31252), (261, 31249), (282, 31201), (303, 31141), (312, 31111), (316, 31099), (323, 31087), (378, 30934), (438, 30841), (499, 30703), (514, 30673), (586, 30514), (595, 30502), (616, 30475), (646, 30367), (649, 30346), (689, 30211), (692, 30193), (728, 30112), (739, 30070), (767, 29995), (779, 29974), (813, 29920), (828, 29878), (859, 29776), (874, 29719), (880, 29707), (884, 29698),

Gene: Sagefire_48 Start: 36086, Stop: 34299, Start Num: 181

Candidate Starts for Sagefire_48:

(Start: 181 @36086 has 918 MA's), (277, 35873), (311, 35780), (318, 35759), (323, 35753), (328, 35744), (369, 35627), (378, 35600), (438, 35507), (443, 35492), (458, 35459), (483, 35408), (484, 35405), (514, 35339), (530, 35309), (542, 35279), (562, 35234), (583, 35195), (649, 35015), (665, 34967), (677, 34928), (692, 34862), (725, 34790), (728, 34781), (757, 34697), (796, 34610), (846, 34484), (853, 34472), (874, 34388), (878, 34382),

Gene: Saintus_38 Start: 27584, Stop: 25740, Start Num: 181

Candidate Starts for Saintus_38:

(Start: 181 @27584 has 918 MA's), (214, 27533), (261, 27410), (273, 27380), (291, 27341), (302, 27308), (311, 27278), (318, 27257), (323, 27251), (328, 27242), (341, 27200), (360, 27149), (377, 27101), (378, 27098), (438, 27002), (442, 26990), (448, 26975), (455, 26957), (466, 26945), (489, 26891), (499, 26864), (524, 26816), (549, 26759), (554, 26747), (562, 26732), (586, 26681), (596, 26666), (646, 26519), (649, 26498), (660, 26468), (665, 26450), (667, 26447), (674, 26432), (677, 26411), (680, 26402), (685, 26375), (689, 26363), (692, 26345), (728, 26264), (731, 26252), (750, 26198), (763, 26162), (779, 26126), (796, 26093), (813, 26072), (816, 26066), (829, 26027), (832, 26006), (837, 25988), (874, 25871), (880, 25859),

Gene: Salete_48 Start: 39366, Stop: 37366, Start Num: 232

Candidate Starts for Salete_48:

(Start: 232 @39366 has 11 MA's), (261, 39297), (310, 39165), (312, 39159), (314, 39153), (332, 39105), (335, 39093), (338, 39087), (344, 39066), (349, 39051), (375, 38982), (413, 38841), (447, 38745), (484, 38658), (494, 38634), (499, 38622), (502, 38610), (539, 38541), (592, 38394), (632, 38289), (638, 38274), (650, 38217), (658, 38196), (672, 38154), (678, 38124), (685, 38091), (696, 38037), (703, 38007), (719, 37938), (722, 37917), (739, 37854), (748, 37836), (753, 37824), (761, 37800), (832, 37599), (833, 37596), (839, 37575), (856, 37542), (859, 37524), (868, 37491), (874, 37467), (893, 37419),

Gene: Salz_44 Start: 30686, Stop: 28899, Start Num: 181

Candidate Starts for Salz_44:

(Start: 181 @30686 has 918 MA's), (273, 30482), (302, 30410), (311, 30380), (323, 30353), (440, 30101), (466, 30050), (499, 29969), (523, 29924), (560, 29840), (586, 29783), (617, 29741), (628, 29696), (649, 29615), (667, 29564), (677, 29528), (692, 29462), (722, 29402), (725, 29390), (760, 29288), (767, 29264), (777, 29246), (816, 29183), (825, 29156), (828, 29147), (832, 29123), (874, 28988), (880, 28976), (884, 28967),

Gene: Samora_36 Start: 27510, Stop: 29363, Start Num: 181

Candidate Starts for Samora_36:

(Start: 181 @27510 has 918 MA's), (202, 27543), (224, 27591), (238, 27624), (288, 27741), (311, 27813), (312, 27816), (318, 27834), (328, 27849), (384, 28011), (466, 28146), (471, 28158), (483, 28188), (489, 28200), (496, 28218), (512, 28254), (554, 28344), (560, 28353), (586, 28410), (587, 28413), (591, 28422), (644, 28581), (649, 28611), (660, 28644), (665, 28662), (677, 28704), (683, 28734), (685, 28740), (686, 28743), (689, 28752), (692, 28770), (705, 28815), (725, 28869), (795, 29046), (799, 29052), (801, 29058), (825, 29106), (836, 29154), (839, 29163), (853, 29190), (855, 29196), (859, 29217), (874, 29274), (878, 29280), (884, 29295),

Gene: Samy_65 Start: 41466, Stop: 43436, Start Num: 181

Candidate Starts for Samy_65:

(Start: 181 @41466 has 918 MA's), (193, 41484), (238, 41583), (261, 41643), (263, 41649), (302, 41745), (318, 41799), (335, 41838), (380, 41964), (442, 42060), (489, 42165), (539, 42270), (560, 42318), (569, 42336), (646, 42576), (649, 42597), (650, 42603), (690, 42741), (692, 42750), (732, 42864), (750, 42915), (767, 42966), (793, 43014), (795, 43017), (801, 43029), (824, 43074), (833, 43113), (839, 43134), (874, 43245), (884, 43266), (903, 43320), (935, 43407),

Gene: SanaSana_45 Start: 31138, Stop: 33012, Start Num: 171

Candidate Starts for SanaSana_45:

(Start: 171 @31138 has 61 MA's), (Start: 219 @31207 has 1 MA's), (227, 31228), (328, 31474), (333, 31489), (341, 31516), (489, 31810), (594, 32044), (634, 32164), (635, 32167), (649, 32227), (650, 32233), (667, 32278), (674, 32293), (675, 32308), (683, 32344), (692, 32380), (726, 32473), (758, 32566), (793, 32644), (795, 32647), (828, 32716), (832, 32740), (836, 32755), (855, 32797), (858, 32815), (874, 32875), (884, 32896),

Gene: Sandaddy_44 Start: 34872, Stop: 33046, Start Num: 181

Candidate Starts for Sandaddy_44:

(Start: 181 @34872 has 918 MA's), (277, 34659), (285, 34644), (311, 34566), (318, 34545), (323, 34539), (328, 34530), (369, 34413), (378, 34386), (438, 34293), (443, 34278), (458, 34245), (483, 34194), (484, 34191), (514, 34125), (530, 34095), (542, 34065), (562, 34020), (583, 33981), (649, 33801), (665, 33753), (677, 33714), (692, 33648), (728, 33567), (729, 33564), (757, 33483), (828, 33333), (829, 33330), (836, 33294), (846, 33270), (852, 33261), (856, 33249), (874, 33174), (884, 33153),

Gene: SansAfet_43 Start: 29492, Stop: 31366, Start Num: 171

Candidate Starts for SansAfet_43:

(Start: 171 @29492 has 61 MA's), (Start: 219 @29561 has 1 MA's), (227, 29582), (328, 29828), (333, 29843), (341, 29870), (489, 30164), (549, 30299), (594, 30398), (635, 30521), (649, 30581), (650, 30587), (667, 30632), (674, 30647), (675, 30662), (683, 30698), (692, 30734), (726, 30827), (758, 30920), (793, 30998), (828, 31070), (836, 31109), (855, 31151), (858, 31169), (868, 31205), (874, 31229), (884, 31250),

Gene: Sansa_37 Start: 28809, Stop: 26944, Start Num: 209

Candidate Starts for Sansa_37:

(Start: 209 @28809 has 41 MA's), (227, 28764), (247, 28710), (277, 28650), (300, 28599), (329, 28542), (335, 28521), (338, 28515), (351, 28470), (353, 28467), (354, 28464), (367, 28425), (393, 28365), (434, 28242), (437, 28233), (440, 28221), (444, 28209), (451, 28191), (461, 28170), (468, 28158), (480, 28134), (558, 28008), (568, 27987), (639, 27819), (680, 27654), (688, 27618), (692, 27597), (707, 27555), (735, 27468), (745, 27423), (781, 27324), (802, 27279), (804, 27270), (829, 27210), (833, 27186), (844, 27153), (874, 27042),

Gene: Sanya_43 Start: 35162, Stop: 33336, Start Num: 181

Candidate Starts for Sanya_43:

(Start: 181 @35162 has 918 MA's), (277, 34949), (302, 34886), (311, 34856), (318, 34835), (323, 34829), (328, 34820), (369, 34703), (378, 34676), (438, 34583), (443, 34568), (483, 34484), (484, 34481), (514, 34415), (530, 34385), (542, 34355), (562, 34310), (583, 34271), (649, 34091), (665, 34043), (677, 34004), (692, 33938), (706, 33899), (722, 33878), (728, 33857), (733, 33839), (757, 33773), (828, 33623), (829, 33620), (836, 33584), (852, 33551), (856, 33539), (862, 33512), (874, 33464), (884, 33443),

Gene: SarBear_42 Start: 29278, Stop: 31152, Start Num: 171

Candidate Starts for SarBear_42:

(Start: 168 @29275 has 7 MA's), (Start: 171 @29278 has 61 MA's), (Start: 219 @29347 has 1 MA's), (227, 29368), (273, 29485), (302, 29548), (328, 29614), (341, 29656), (489, 29950), (549, 30085), (594, 30184), (635, 30307), (649, 30367), (650, 30373), (667, 30418), (674, 30433), (675, 30448), (683, 30484), (692, 30520), (726, 30613), (758, 30706), (793, 30784), (828, 30856), (836, 30895), (855, 30937), (858, 30955), (874, 31015), (884, 31036),

Gene: SarFire_43 Start: 34438, Stop: 32612, Start Num: 181

Candidate Starts for SarFire_43:

(Start: 181 @34438 has 918 MA's), (277, 34225), (285, 34210), (311, 34132), (318, 34111), (323, 34105), (328, 34096), (369, 33979), (378, 33952), (438, 33859), (443, 33844), (483, 33760), (484, 33757), (514, 33691), (530, 33661), (542, 33631), (562, 33586), (583, 33547), (649, 33367), (665, 33319), (677, 33280), (692, 33214), (706, 33175), (722, 33154), (728, 33133), (733, 33115), (757, 33049), (828, 32899), (829, 32896), (836, 32860), (852, 32827), (856, 32815), (867, 32767), (874, 32740), (884, 32719),

Gene: Saratos_38 Start: 28717, Stop: 26852, Start Num: 209

Candidate Starts for Saratos_38:

(Start: 209 @28717 has 41 MA's), (227, 28672), (247, 28618), (277, 28558), (300, 28507), (335, 28429), (338, 28423), (351, 28378), (353, 28375), (354, 28372), (367, 28333), (393, 28273), (434, 28150), (437, 28141), (440, 28129), (444, 28117), (451, 28099), (461, 28078), (468, 28066), (480, 28042), (568, 27895), (639, 27727), (680, 27562), (688, 27526), (692, 27505), (707, 27463), (735, 27376), (745, 27331), (781, 27232), (802, 27187), (804, 27178), (829, 27118), (833, 27094), (844, 27061), (874, 26950),

Gene: Sarkar_71 Start: 46750, Stop: 44786, Start Num: 231

Candidate Starts for Sarkar_71:

(Start: 231 @46750 has 7 MA's), (268, 46654), (310, 46546), (314, 46534), (328, 46480), (356, 46396), (396, 46261), (423, 46162), (428, 46150), (436, 46123), (440, 46108), (494, 45970), (535, 45883), (573, 45787), (609, 45679), (611, 45676), (616, 45649), (623, 45622), (631, 45592), (642, 45562), (671, 45457), (695, 45349), (696, 45340), (698, 45334), (755, 45190), (761, 45172), (766, 45154), (801, 45100), (839, 44983), (845, 44971), (852, 44962), (856, 44950), (859, 44932), (865, 44908), (872, 44884), (879, 44866),

Gene: Saskia_45 Start: 30680, Stop: 28893, Start Num: 181

Candidate Starts for Saskia_45:

(Start: 181 @30680 has 918 MA's), (273, 30476), (275, 30473), (277, 30467), (291, 30437), (299, 30416), (301, 30407), (302, 30404), (311, 30374), (323, 30347), (332, 30326), (341, 30296), (378, 30194), (438, 30101), (441, 30092), (458, 30053), (466, 30044), (472, 30029), (499, 29963), (549, 29855), (560, 29834), (649, 29609), (667, 29558), (680, 29513), (692, 29456), (706, 29417), (722, 29396), (738, 29339), (745, 29321), (753, 29303), (767, 29258), (801, 29195), (813, 29183), (828, 29141), (832, 29117), (874, 28982), (880, 28970), (884, 28961),

Gene: Satis_67 Start: 46746, Stop: 44782, Start Num: 231

Candidate Starts for Satis_67:

(Start: 231 @46746 has 7 MA's), (268, 46650), (291, 46605), (300, 46578), (306, 46557), (310, 46542), (314, 46530), (328, 46476), (356, 46392), (396, 46257), (423, 46158), (428, 46146), (436, 46119), (440, 46104), (494, 45966), (535, 45879), (573, 45783), (609, 45675), (611, 45672), (616, 45645), (623, 45618), (631, 45588), (642, 45558), (671, 45453), (695, 45345), (696, 45336), (698, 45330), (755, 45186), (761, 45168), (766, 45150), (801, 45096), (839, 44979), (845, 44967), (852, 44958), (856, 44946), (859, 44928), (865, 44904), (872, 44880), (879, 44862),

Gene: SaturnRing_46 Start: 31555, Stop: 29717, Start Num: 181

Candidate Starts for SaturnRing_46:

(Start: 181 @31555 has 918 MA's), (214, 31504), (238, 31438), (273, 31351), (299, 31291), (302, 31279), (323, 31222), (328, 31213), (370, 31093), (378, 31069), (438, 30973), (460, 30925), (489, 30865), (517, 30802), (549, 30733), (560, 30712), (596, 30640), (618, 30598), (628, 30556), (649, 30475), (665, 30427), (685, 30352), (692, 30322), (704, 30292), (729, 30211), (739, 30172), (750, 30148), (757, 30130), (816, 30001), (832, 29941), (874, 29806), (880, 29794), (884, 29785),

Gene: Scamp_45 Start: 31572, Stop: 29746, Start Num: 181

Candidate Starts for Scamp_45:

(Start: 181 @31572 has 918 MA's), (195, 31551), (214, 31521), (224, 31491), (291, 31329), (298, 31311), (323, 31239), (328, 31230), (370, 31110), (378, 31086), (438, 30993), (460, 30945), (472, 30924), (489, 30885), (549, 30753), (560, 30732), (583, 30687), (586, 30675), (646, 30522), (649, 30501), (685, 30378), (692, 30348), (706, 30309), (728, 30243), (729, 30240), (733, 30225), (739, 30201), (750, 30177), (832, 29970), (874, 29835), (880, 29823), (884, 29814),

Gene: Schaffner_42 Start: 30040, Stop: 31905, Start Num: 181

Candidate Starts for Schaffner_42:

(Start: 181 @30040 has 918 MA's), (213, 30088), (244, 30178), (275, 30247), (311, 30337), (358, 30457), (440, 30634), (489, 30742), (494, 30757), (499, 30769), (560, 30895), (619, 31033), (649, 31153), (677, 31240), (692, 31306), (726, 31399), (874, 31801), (879, 31810), (884, 31822),

Gene: Scherzo_45 Start: 31727, Stop: 29934, Start Num: 181

Candidate Starts for Scherzo_45:

(Start: 181 @31727 has 918 MA's), (187, 31718), (214, 31676), (259, 31556), (261, 31553), (282, 31505), (303, 31445), (312, 31415), (316, 31403), (323, 31391), (378, 31238), (438, 31145), (499, 31007), (514, 30977), (586, 30818), (595, 30806), (616, 30779), (646, 30671), (649, 30650), (689, 30515), (692, 30497), (728, 30416), (739, 30374), (767, 30299), (779, 30278), (813, 30224), (828, 30182), (859, 30080), (874, 30023), (880, 30011), (884, 30002),

Gene: Schimmels22_37 Start: 27687, Stop: 25789, Start Num: 207

Candidate Starts for Schimmels22_37:

(2, 28425), (3, 28419), (33, 28164), (170, 27738), (Start: 207 @27687 has 19 MA's), (Start: 232 @27624 has 11 MA's), (255, 27573), (275, 27534), (300, 27477), (329, 27420), (332, 27411), (335, 27399), (338, 27393), (354, 27342), (367, 27303), (398, 27240), (410, 27195), (434, 27120), (437, 27111), (440, 27099), (451, 27069), (461, 27048), (468, 27036), (480, 27012), (570, 26862), (654, 26601), (680, 26499), (683, 26478), (692, 26442), (705, 26406), (707, 26400), (735, 26313), (743, 26286), (787, 26154), (804, 26115), (817, 26094), (829, 26055), (833, 26031), (835, 26025), (844, 25998), (874, 25887),

Gene: Schnapsidee_38 Start: 29060, Stop: 27195, Start Num: 211

Candidate Starts for Schnapsidee_38:

(Start: 211 @29060 has 115 MA's), (Start: 215 @29051 has 5 MA's), (330, 28787), (335, 28772), (338, 28766), (384, 28634), (406, 28580), (434, 28493), (437, 28484), (440, 28472), (450, 28445), (451, 28442), (458, 28427), (461, 28421), (630, 28091), (685, 27878), (688, 27869), (689, 27866), (692, 27848), (707, 27806), (712, 27791), (735, 27719), (743, 27692), (787, 27560), (802, 27530), (829,

27461), (833, 27437), (835, 27431), (846, 27398), (857, 27365), (858, 27353),

Gene: Schubert_36 Start: 28339, Stop: 26486, Start Num: 207

Candidate Starts for Schubert_36:

(151, 28408), (Start: 207 @28339 has 19 MA's), (275, 28186), (276, 28183), (302, 28126), (335, 28051), (338, 28045), (351, 28000), (367, 27955), (379, 27925), (415, 27838), (437, 27775), (440, 27763), (451, 27733), (461, 27712), (468, 27700), (630, 27382), (683, 27175), (685, 27169), (689, 27157), (692, 27139), (707, 27097), (712, 27082), (735, 27010), (745, 26965), (829, 26752), (833, 26728), (836, 26716), (839, 26707), (844, 26695), (868, 26608), (874, 26584), (875, 26578),

Gene: Scissor2024_37 Start: 27324, Stop: 25426, Start Num: 208

Candidate Starts for Scissor2024_37:

(147, 27405), (Start: 208 @27324 has 4 MA's), (Start: 232 @27261 has 11 MA's), (255, 27210), (275, 27171), (300, 27114), (329, 27057), (332, 27048), (335, 27036), (338, 27030), (354, 26979), (367, 26940), (410, 26832), (434, 26757), (437, 26748), (440, 26736), (451, 26706), (461, 26685), (468, 26673), (480, 26649), (570, 26499), (654, 26238), (680, 26136), (683, 26115), (692, 26079), (705, 26043), (707, 26037), (735, 25950), (743, 25923), (787, 25791), (804, 25752), (817, 25731), (829, 25692), (833, 25668), (835, 25662), (844, 25635), (874, 25524),

Gene: Scorpia_40 Start: 30133, Stop: 28268, Start Num: 181

Candidate Starts for Scorpia_40:

(Start: 152 @30166 has 2 MA's), (Start: 181 @30133 has 918 MA's), (236, 30022), (275, 29926), (302, 29857), (303, 29854), (311, 29827), (323, 29800), (328, 29791), (358, 29707), (360, 29698), (366, 29683), (378, 29647), (422, 29587), (438, 29551), (458, 29503), (471, 29482), (472, 29479), (497, 29419), (537, 29341), (555, 29293), (562, 29281), (584, 29233), (614, 29182), (649, 29047), (665, 28999), (674, 28981), (677, 28960), (680, 28951), (686, 28921), (692, 28894), (693, 28891), (728, 28813), (733, 28795), (750, 28747), (767, 28696), (796, 28642), (801, 28633), (816, 28615), (837, 28537), (874, 28420), (880, 28408), (923, 28303),

Gene: Scout_45 Start: 30682, Stop: 28844, Start Num: 181

Candidate Starts for Scout_45:

(133, 30754), (Start: 181 @30682 has 918 MA's), (214, 30631), (273, 30478), (299, 30418), (302, 30406), (323, 30349), (328, 30340), (332, 30328), (370, 30220), (378, 30196), (438, 30100), (460, 30052), (489, 29992), (517, 29929), (549, 29860), (560, 29839), (595, 29770), (598, 29764), (618, 29725), (649, 29602), (677, 29515), (685, 29479), (692, 29449), (704, 29419), (729, 29338), (739, 29299), (750, 29275), (757, 29257), (816, 29128), (832, 29068), (874, 28933), (880, 28921), (884, 28912),

Gene: Scowl_45 Start: 35221, Stop: 33395, Start Num: 181

Candidate Starts for Scowl_45:

(Start: 181 @35221 has 918 MA's), (277, 35008), (285, 34993), (302, 34945), (311, 34915), (318, 34894), (323, 34888), (328, 34879), (369, 34762), (378, 34735), (438, 34642), (443, 34627), (483, 34543), (484, 34540), (514, 34474), (530, 34444), (542, 34414), (562, 34369), (583, 34330), (649, 34150), (665, 34102), (677, 34063), (692, 33997), (706, 33958), (722, 33937), (728, 33916), (733, 33898), (757, 33832), (828, 33682), (829, 33679), (836, 33643), (846, 33619), (852, 33610), (856, 33598), (862, 33571), (874, 33523), (884, 33502),

Gene: Seabiscuit_46 Start: 34373, Stop: 32547, Start Num: 181

Candidate Starts for Seabiscuit_46:

(Start: 181 @34373 has 918 MA's), (277, 34160), (302, 34097), (311, 34067), (318, 34046), (323, 34040), (328, 34031), (369, 33914), (378, 33887), (438, 33794), (443, 33779), (458, 33746), (483, 33695), (484, 33692), (514, 33626), (542, 33566), (562, 33521), (583, 33482), (649, 33302), (665, 33254), (677, 33215), (692, 33149), (706, 33110), (722, 33089), (728, 33068), (733, 33050), (757,

32984), (828, 32834), (829, 32831), (836, 32795), (852, 32762), (856, 32750), (867, 32702), (874, 32675), (884, 32654),

Gene: Seanderson_47 Start: 35777, Stop: 33948, Start Num: 181

Candidate Starts for Seanderson_47:

(Start: 181 @35777 has 918 MA's), (277, 35564), (285, 35549), (302, 35501), (311, 35471), (318, 35450), (323, 35444), (328, 35435), (369, 35318), (378, 35291), (438, 35198), (443, 35183), (483, 35099), (484, 35096), (514, 35030), (542, 34970), (562, 34925), (583, 34886), (649, 34706), (665, 34658), (680, 34610), (689, 34571), (692, 34553), (706, 34514), (722, 34493), (728, 34472), (732, 34457), (779, 34334), (853, 34163), (858, 34139), (871, 34091), (874, 34079), (884, 34058), (887, 34052), (903, 34004), (908, 33989),

Gene: Sebastisaurus_36 Start: 27845, Stop: 29776, Start Num: 181

Candidate Starts for Sebastisaurus_36:

(161, 27815), (Start: 181 @27845 has 918 MA's), (224, 27926), (261, 28025), (293, 28097), (295, 28103), (311, 28157), (312, 28160), (434, 28415), (440, 28433), (466, 28490), (472, 28505), (483, 28532), (488, 28541), (489, 28544), (490, 28547), (496, 28562), (560, 28697), (583, 28742), (591, 28766), (649, 28955), (650, 28961), (665, 29003), (677, 29042), (683, 29072), (690, 29099), (692, 29108), (704, 29138), (711, 29162), (733, 29225), (795, 29375), (799, 29381), (820, 29423), (825, 29435), (832, 29468), (836, 29483), (839, 29492), (853, 29519), (855, 29525), (858, 29543), (862, 29555), (874, 29603), (880, 29615), (903, 29678),

Gene: Sedgewig_38 Start: 28617, Stop: 26752, Start Num: 211

Candidate Starts for Sedgewig_38:

(Start: 140 @28704 has 3 MA's), (Start: 142 @28701 has 1 MA's), (Start: 211 @28617 has 115 MA's), (Start: 215 @28608 has 5 MA's), (255, 28503), (259, 28494), (275, 28464), (276, 28461), (332, 28341), (335, 28329), (338, 28323), (374, 28218), (384, 28191), (434, 28050), (435, 28044), (437, 28041), (440, 28029), (450, 28002), (451, 27999), (458, 27984), (461, 27978), (466, 27972), (481, 27939), (561, 27810), (584, 27750), (685, 27435), (688, 27426), (689, 27423), (692, 27405), (707, 27363), (709, 27357), (712, 27348), (718, 27333), (735, 27276), (787, 27117), (802, 27087), (804, 27078), (829, 27018), (833, 26994), (846, 26955), (857, 26922), (858, 26910), (874, 26850),

Gene: SemperFi_45 Start: 31534, Stop: 29747, Start Num: 181

Candidate Starts for SemperFi_45:

(67, 31789), (Start: 181 @31534 has 918 MA's), (273, 31330), (275, 31327), (277, 31321), (286, 31306), (291, 31291), (302, 31258), (303, 31255), (311, 31228), (323, 31201), (332, 31180), (341, 31150), (378, 31048), (438, 30955), (458, 30907), (466, 30898), (472, 30883), (499, 30817), (539, 30736), (560, 30688), (562, 30682), (595, 30619), (628, 30544), (649, 30463), (667, 30412), (676, 30379), (677, 30376), (692, 30310), (706, 30271), (722, 30250), (745, 30175), (753, 30157), (767, 30112), (782, 30085), (801, 30049), (813, 30037), (816, 30031), (828, 29995), (832, 29971), (859, 29893), (874, 29836), (880, 29824), (884, 29815),

Gene: SenorClean_45 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for SenorClean_45:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Serenity_45 Start: 30497, Stop: 28668, Start Num: 181

Candidate Starts for Serenity_45:

(Start: 181 @30497 has 918 MA's), (273, 30293), (275, 30290), (277, 30284), (286, 30269), (291, 30254), (301, 30224), (302, 30221), (311, 30191), (323, 30164), (332, 30143), (341, 30113), (378, 30011), (438, 29918), (458, 29870), (466, 29861), (472, 29846), (499, 29780), (539, 29699), (560, 29651), (583, 29606), (649, 29426), (665, 29378), (667, 29375), (677, 29339), (692, 29273), (706, 29234), (722, 29213), (745, 29138), (753, 29120), (767, 29075), (782, 29048), (801, 29012), (816, 28994), (828, 28958), (832, 28934), (859, 28856), (874, 28799), (880, 28787), (884, 28778), (900, 28730), (915, 28700), (924, 28682), (926, 28679),

Gene: Severus_42 Start: 30385, Stop: 28553, Start Num: 181

Candidate Starts for Severus_42:

(Start: 181 @30385 has 918 MA's), (214, 30334), (238, 30268), (273, 30181), (277, 30172), (299, 30121), (302, 30109), (323, 30052), (353, 29971), (358, 29959), (360, 29950), (370, 29923), (378, 29899), (438, 29806), (453, 29767), (489, 29698), (499, 29671), (562, 29539), (649, 29311), (674, 29245), (685, 29188), (692, 29158), (706, 29119), (729, 29047), (733, 29032), (739, 29008), (757, 28966), (767, 28933), (832, 28777), (839, 28753), (862, 28690), (874, 28642), (880, 28630), (884, 28621),

Gene: ShaiHulud_39 Start: 28934, Stop: 27069, Start Num: 211

Candidate Starts for ShaiHulud_39:

(Start: 140 @29021 has 3 MA's), (Start: 142 @29018 has 1 MA's), (Start: 211 @28934 has 115 MA's), (Start: 215 @28925 has 5 MA's), (255, 28820), (259, 28811), (275, 28781), (276, 28778), (332, 28658), (335, 28646), (338, 28640), (374, 28535), (384, 28508), (434, 28367), (435, 28361), (437, 28358), (440, 28346), (450, 28319), (451, 28316), (458, 28301), (461, 28295), (466, 28289), (481, 28256), (561, 28127), (584, 28067), (622, 27992), (685, 27752), (688, 27743), (689, 27740), (692, 27722), (707, 27680), (709, 27674), (712, 27665), (718, 27650), (735, 27593), (787, 27434), (802, 27404), (804, 27395), (829, 27335), (833, 27311), (846, 27272), (857, 27239), (858, 27227), (874, 27167),

Gene: Shaka_45 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for Shaka_45:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: ShakeltOph_45 Start: 30557, Stop: 32419, Start Num: 180

Candidate Starts for ShakeltOph_45:

(115, 30458), (125, 30476), (Start: 180 @30557 has 21 MA's), (213, 30605), (275, 30764), (277, 30770), (318, 30875), (338, 30920), (433, 31127), (489, 31256), (539, 31361), (560, 31409), (597, 31493), (649, 31667), (676, 31751), (683, 31784), (686, 31793), (703, 31844), (726, 31913), (765, 32024), (799, 32093), (801, 32099), (839, 32204), (874, 32315),

Gene: Sham4_44 Start: 30331, Stop: 28544, Start Num: 181

Candidate Starts for Sham4_44:

(Start: 181 @30331 has 918 MA's), (273, 30127), (302, 30055), (311, 30025), (323, 29998), (440, 29746), (466, 29695), (499, 29614), (523, 29569), (524, 29566), (560, 29485), (586, 29428), (617, 29386), (628, 29341), (649, 29260), (667, 29209), (677, 29173), (692, 29107), (722, 29047), (725, 29035), (760, 28933), (767, 28909), (777, 28891), (816, 28828), (825, 28801), (828, 28792), (832, 28768), (874, 28633), (880, 28621), (884, 28612),

Gene: Shamu_38 Start: 28738, Stop: 26873, Start Num: 209

Candidate Starts for Shamu_38:

(Start: 209 @28738 has 41 MA's), (227, 28693), (247, 28639), (277, 28579), (300, 28528), (335, 28450), (338, 28444), (351, 28399), (353, 28396), (354, 28393), (367, 28354), (393, 28294), (434, 28171), (437, 28162), (440, 28150), (444, 28138), (451, 28120), (461, 28099), (468, 28087), (568, 27916), (639, 27748), (680, 27583), (688, 27547), (692, 27526), (707, 27484), (735, 27397), (745, 27352), (781, 27253), (802, 27208), (804, 27199), (829, 27139), (833, 27115), (844, 27082), (874, 26971),

Gene: Shapes_48 Start: 31200, Stop: 29365, Start Num: 181

Candidate Starts for Shapes_48:

(Start: 181 @31200 has 918 MA's), (214, 31149), (238, 31083), (273, 30996), (285, 30972), (299, 30936), (302, 30924), (323, 30867), (328, 30858), (358, 30774), (370, 30738), (374, 30726), (378, 30714), (438, 30621), (460, 30573), (489, 30513), (548, 30384), (549, 30381), (560, 30360), (562, 30354), (618, 30246), (649, 30123), (665, 30075), (685, 30000), (692, 29970), (706, 29931), (728, 29862), (729, 29859), (739, 29820), (750, 29796), (753, 29790), (757, 29778), (805, 29670), (832, 29589), (839, 29565), (862, 29502), (874, 29454), (880, 29442), (884, 29433),

Gene: Sharkboy_41 Start: 30011, Stop: 31882, Start Num: 171

Candidate Starts for Sharkboy_41:

(Start: 171 @30011 has 61 MA's), (263, 30194), (281, 30233), (293, 30251), (315, 30323), (328, 30347), (332, 30359), (333, 30362), (366, 30443), (468, 30635), (489, 30683), (531, 30773), (594, 30914), (635, 31037), (649, 31097), (674, 31163), (675, 31178), (683, 31214), (686, 31223), (692, 31250), (726, 31343), (758, 31436), (793, 31514), (828, 31586), (836, 31625), (855, 31667), (868, 31721), (874, 31745), (884, 31766), (892, 31790),

Gene: Shawty_33 Start: 26720, Stop: 28573, Start Num: 181

Candidate Starts for Shawty_33:

(Start: 181 @26720 has 918 MA's), (224, 26801), (273, 26921), (318, 27044), (328, 27059), (440, 27299), (450, 27326), (466, 27356), (471, 27368), (483, 27398), (489, 27410), (496, 27428), (512, 27464), (554, 27554), (560, 27563), (587, 27623), (591, 27632), (644, 27791), (649, 27821), (660, 27854), (665, 27872), (672, 27887), (677, 27914), (683, 27944), (685, 27950), (686, 27953), (689, 27962), (690, 27971), (692, 27980), (697, 27995), (705, 28025), (725, 28079), (765, 28193), (795, 28256), (799, 28262), (801, 28268), (820, 28304), (825, 28316), (832, 28349), (836, 28364), (837, 28367), (839, 28373), (853, 28400), (855, 28406), (859, 28427), (874, 28484), (878, 28490), (880, 28496), (884, 28505),

Gene: ShayRa_48 Start: 29944, Stop: 28154, Start Num: 181

Candidate Starts for ShayRa_48:

(Start: 181 @29944 has 918 MA's), (261, 29770), (302, 29665), (303, 29662), (311, 29635), (323, 29608), (341, 29557), (378, 29455), (438, 29362), (455, 29317), (458, 29314), (466, 29305), (539, 29143), (549, 29116), (560, 29095), (562, 29089), (619, 28990), (628, 28951), (644, 28900), (649, 28870), (667, 28819), (676, 28786), (683, 28753), (685, 28747), (692, 28717), (722, 28657), (728, 28636), (739, 28594), (751, 28567), (757, 28552), (796, 28465), (828, 28402), (829, 28399), (874, 28243), (880, 28231), (885, 28219),

Gene: Shayna_42 Start: 28849, Stop: 30720, Start Num: 181

Candidate Starts for Shayna_42:

(Start: 181 @28849 has 918 MA's), (213, 28897), (Start: 219 @28918 has 1 MA's), (227, 28939), (328, 29182), (332, 29194), (335, 29206), (338, 29212), (366, 29278), (468, 29473), (489, 29521), (613, 29800), (649, 29938), (691, 30085), (692, 30091), (726, 30184), (745, 30244), (793, 30355), (796, 30361), (839, 30475), (854, 30505), (855, 30508), (874, 30586), (879, 30595),

Gene: SheaKeira_43 Start: 30794, Stop: 29001, Start Num: 181

Candidate Starts for SheaKeira_43:

(Start: 181 @30794 has 918 MA's), (187, 30785), (214, 30743), (259, 30623), (261, 30620), (277, 30581), (282, 30572), (303, 30512), (311, 30485), (316, 30470), (323, 30458), (341, 30407), (378, 30305), (438, 30212), (447, 30188), (455, 30167), (514, 30044), (586, 29885), (587, 29882), (616, 29846), (618, 29840), (649, 29717), (674, 29651), (685, 29594), (689, 29582), (692, 29564), (722, 29504), (728, 29483), (733, 29465), (767, 29366), (801, 29303), (828, 29249), (855, 29168), (859, 29147), (874, 29090), (880, 29078), (884, 29069),

Gene: SheckWes_48 Start: 33927, Stop: 31552, Start Num: 27

Candidate Starts for SheckWes_48:

(Start: 27 @33927 has 14 MA's), (36, 33867), (52, 33786), (73, 33666), (97, 33621), (136, 33543), (Start: 140 @33537 has 3 MA's), (Start: 142 @33534 has 1 MA's), (165, 33504), (176, 33486), (196, 33456), (214, 33429), (Start: 215 @33426 has 5 MA's), (238, 33369), (244, 33348), (255, 33330), (287, 33267), (296, 33243), (299, 33234), (302, 33222), (312, 33189), (329, 33168), (335, 33147), (404, 32964), (427, 32889), (434, 32868), (440, 32847), (496, 32760), (552, 32712), (566, 32682), (570, 32676), (596, 32631), (598, 32628), (606, 32613), (617, 32592), (618, 32589), (642, 32508), (648, 32478), (656, 32418), (659, 32409), (662, 32394), (667, 32379), (672, 32367), (692, 32274), (705, 32238), (707, 32232), (709, 32226), (711, 32220), (729, 32163), (735, 32139), (766, 32034), (767, 32031), (787, 31980), (806, 31938), (817, 31920), (829, 31881), (838, 31839), (848, 31815), (857, 31785), (868, 31737), (870, 31728), (874, 31713), (880, 31689), (889, 31668), (906, 31614), (922, 31581),

Gene: Shee_39 Start: 28927, Stop: 27062, Start Num: 211

Candidate Starts for Shee_39:

(Start: 140 @29014 has 3 MA's), (Start: 142 @29011 has 1 MA's), (Start: 211 @28927 has 115 MA's), (Start: 215 @28918 has 5 MA's), (255, 28813), (259, 28804), (275, 28774), (276, 28771), (332, 28651), (335, 28639), (338, 28633), (374, 28528), (384, 28501), (434, 28360), (435, 28354), (437, 28351), (440, 28339), (450, 28312), (451, 28309), (458, 28294), (461, 28288), (466, 28282), (481, 28249), (584, 28060), (685, 27745), (688, 27736), (689, 27733), (692, 27715), (707, 27673), (709, 27667), (712, 27658), (718, 27643), (735, 27586), (787, 27427), (802, 27397), (804, 27388), (829, 27328), (833, 27304), (846, 27265), (857, 27232), (858, 27220), (874, 27160),

Gene: Sheen_44 Start: 33301, Stop: 31466, Start Num: 181

Candidate Starts for Sheen_44:

(Start: 181 @33301 has 918 MA's), (195, 33280), (236, 33190), (294, 33052), (318, 32974), (323, 32968), (378, 32815), (434, 32731), (438, 32719), (455, 32674), (460, 32671), (489, 32611), (510, 32560), (517, 32548), (560, 32458), (583, 32413), (618, 32344), (628, 32302), (646, 32242), (649, 32221), (665, 32173), (680, 32125), (685, 32098), (686, 32095), (692, 32068), (706, 32029), (729, 31960), (739, 31921), (757, 31879), (758, 31876), (767, 31846), (816, 31750), (825, 31723), (836, 31675), (837, 31672), (874, 31555), (880, 31543), (884, 31534),

Gene: SheldonCooper_47 Start: 31993, Stop: 30167, Start Num: 181

Candidate Starts for SheldonCooper_47:

(Start: 181 @31993 has 918 MA's), (213, 31945), (273, 31789), (302, 31717), (323, 31660), (328, 31651), (370, 31531), (378, 31507), (438, 31414), (460, 31366), (472, 31345), (489, 31306), (506, 31261), (549, 31174), (553, 31165), (560, 31153), (583, 31108), (586, 31096), (646, 30943), (649, 30922), (685, 30799), (692, 30769), (706, 30730), (728, 30664), (729, 30661), (739, 30622), (750, 30598), (832, 30391), (874, 30256), (880, 30244), (884, 30235),

Gene: Shocker_43 Start: 33276, Stop: 31243, Start Num: 218

Candidate Starts for Shocker_43:

(Start: 218 @33276 has 1 MA's), (272, 33123), (288, 33090), (295, 33072), (305, 33033), (343, 32913), (346, 32904), (429, 32709), (444, 32664), (483, 32583), (487, 32577), (489, 32571), (497, 32550), (514, 32511), (533, 32481), (543, 32454), (561, 32412), (565, 32403), (593, 32343), (620, 32268),

(687, 32001), (707, 31935), (760, 31803), (771, 31764), (810, 31668), (821, 31632), (826, 31617), (830, 31608), (839, 31566), (843, 31551), (861, 31497), (862, 31494), (874, 31440), (922, 31302), (927, 31293),

Gene: ShortQueendom_39 Start: 30936, Stop: 29110, Start Num: 181

Candidate Starts for ShortQueendom_39:

(Start: 181 @30936 has 918 MA's), (277, 30723), (285, 30708), (302, 30660), (311, 30630), (318, 30609), (323, 30603), (328, 30594), (369, 30477), (378, 30450), (438, 30357), (443, 30342), (458, 30309), (483, 30258), (484, 30255), (514, 30189), (530, 30159), (542, 30129), (562, 30084), (583, 30045), (649, 29865), (660, 29835), (665, 29817), (667, 29814), (677, 29778), (692, 29712), (728, 29631), (729, 29628), (757, 29547), (828, 29397), (829, 29394), (836, 29358), (846, 29334), (852, 29325), (856, 29313), (874, 29238), (884, 29217),

Gene: Shrew_79 Start: 46522, Stop: 49053, Start Num: 14

Candidate Starts for Shrew_79:

(Start: 14 @46522 has 1 MA's), (47, 46708), (73, 46867), (Start: 126 @46969 has 1 MA's), (Start: 140 @46996 has 3 MA's), (Start: 142 @46999 has 1 MA's), (Start: 181 @47047 has 918 MA's), (Start: 209 @47089 has 41 MA's), (237, 47167), (245, 47194), (254, 47215), (270, 47251), (313, 47365), (335, 47404), (354, 47461), (390, 47530), (403, 47563), (427, 47641), (540, 47848), (556, 47887), (585, 47965), (590, 47977), (598, 47983), (614, 48007), (618, 48019), (656, 48193), (661, 48208), (662, 48217), (688, 48316), (692, 48337), (713, 48400), (726, 48439), (735, 48475), (776, 48613), (797, 48655), (817, 48694), (829, 48733), (836, 48769), (857, 48829), (874, 48901), (876, 48910), (885, 48940), (894, 48967), (917, 49033),

Gene: Shuman_36 Start: 28126, Stop: 26342, Start Num: 181

Candidate Starts for Shuman_36:

(Start: 181 @28126 has 918 MA's), (288, 27892), (299, 27862), (301, 27853), (302, 27850), (316, 27805), (323, 27793), (341, 27742), (378, 27640), (391, 27619), (438, 27547), (455, 27502), (458, 27499), (480, 27457), (482, 27451), (489, 27436), (499, 27409), (549, 27304), (553, 27295), (562, 27277), (583, 27238), (618, 27181), (649, 27058), (665, 27010), (692, 26905), (693, 26902), (722, 26845), (728, 26824), (741, 26776), (769, 26701), (813, 26632), (828, 26590), (832, 26566), (859, 26488), (874, 26431), (880, 26419), (884, 26410), (894, 26380), (900, 26362),

Gene: Shygu2_44 Start: 31522, Stop: 29693, Start Num: 181

Candidate Starts for Shygu2_44:

(Start: 181 @31522 has 918 MA's), (214, 31471), (224, 31441), (291, 31279), (298, 31261), (302, 31246), (323, 31189), (328, 31180), (332, 31168), (370, 31060), (378, 31036), (438, 30943), (460, 30895), (472, 30874), (489, 30835), (549, 30703), (560, 30682), (583, 30637), (586, 30625), (646, 30472), (649, 30451), (692, 30298), (705, 30262), (706, 30259), (729, 30187), (733, 30172), (739, 30148), (748, 30130), (750, 30124), (753, 30118), (832, 29917), (874, 29782), (880, 29770), (884, 29761),

Gene: Sibs6_45 Start: 33579, Stop: 31753, Start Num: 181

Candidate Starts for Sibs6_45:

(Start: 181 @33579 has 918 MA's), (277, 33366), (285, 33351), (302, 33303), (311, 33273), (318, 33252), (323, 33246), (328, 33237), (369, 33120), (378, 33093), (438, 33000), (443, 32985), (483, 32901), (484, 32898), (514, 32832), (530, 32802), (542, 32772), (562, 32727), (583, 32688), (649, 32508), (665, 32460), (677, 32421), (692, 32355), (706, 32316), (722, 32295), (728, 32274), (733, 32256), (757, 32190), (828, 32040), (829, 32037), (836, 32001), (846, 31977), (852, 31968), (856, 31956), (867, 31908), (874, 31881), (884, 31860),

Gene: Simpson_43 Start: 29708, Stop: 31573, Start Num: 181

Candidate Starts for Simpson_43:

(Start: 181 @29708 has 918 MA's), (213, 29756), (311, 30005), (332, 30053), (345, 30095), (440, 30302), (443, 30311), (484, 30401), (489, 30410), (494, 30425), (516, 30470), (539, 30515), (560, 30563), (586, 30620), (619, 30701), (643, 30788), (649, 30821), (660, 30851), (677, 30908), (692, 30974), (726, 31067), (750, 31139), (799, 31247), (828, 31310), (832, 31334), (868, 31445), (874, 31469), (879, 31478),

Gene: Sinatra_37 Start: 28491, Stop: 26641, Start Num: 207

Candidate Starts for Sinatra_37:

(Start: 207 @28491 has 19 MA's), (259, 28368), (276, 28335), (329, 28224), (335, 28203), (338, 28197), (354, 28146), (415, 27990), (434, 27936), (435, 27930), (437, 27927), (440, 27915), (451, 27885), (466, 27858), (480, 27828), (568, 27681), (630, 27534), (685, 27324), (689, 27312), (692, 27294), (707, 27252), (712, 27237), (725, 27201), (735, 27165), (802, 26976), (804, 26967), (829, 26907), (833, 26883), (839, 26862), (844, 26850), (874, 26739),

Gene: SirBeanington_42 Start: 29792, Stop: 31666, Start Num: 171

Candidate Starts for SirBeanington_42:

(Start: 168 @29789 has 7 MA's), (Start: 171 @29792 has 61 MA's), (Start: 219 @29861 has 1 MA's), (227, 29882), (328, 30128), (341, 30170), (450, 30383), (489, 30464), (594, 30698), (635, 30821), (649, 30881), (650, 30887), (667, 30932), (674, 30947), (675, 30962), (683, 30998), (692, 31034), (726, 31127), (758, 31220), (793, 31298), (828, 31370), (836, 31409), (855, 31451), (858, 31469), (874, 31529), (884, 31550),

Gene: SirVictor_37 Start: 28567, Stop: 26717, Start Num: 207

Candidate Starts for SirVictor_37:

(114, 28708), (170, 28618), (Start: 207 @28567 has 19 MA's), (247, 28468), (259, 28444), (276, 28411), (329, 28300), (335, 28279), (338, 28273), (351, 28228), (354, 28222), (415, 28066), (437, 28003), (440, 27991), (451, 27961), (480, 27904), (630, 27610), (685, 27400), (688, 27391), (689, 27388), (692, 27370), (707, 27328), (735, 27241), (829, 26983), (833, 26959), (834, 26956), (844, 26926), (874, 26815),

Gene: Sixama_172 Start: 99122, Stop: 97338, Start Num: 182

Candidate Starts for Sixama_172:

(138, 99188), (154, 99161), (Start: 182 @99122 has 1 MA's), (Start: 232 @99014 has 11 MA's), (259, 98954), (273, 98921), (301, 98858), (315, 98813), (335, 98768), (336, 98765), (371, 98687), (376, 98672), (377, 98669), (381, 98657), (438, 98588), (476, 98504), (489, 98477), (494, 98462), (572, 98303), (583, 98279), (642, 98138), (646, 98117), (649, 98096), (701, 97916), (716, 97859), (750, 97757), (754, 97748), (780, 97685), (785, 97673), (790, 97664), (833, 97544), (836, 97532), (839, 97523), (842, 97517), (853, 97496), (855, 97490), (857, 97484), (860, 97466), (862, 97460), (874, 97412), (894, 97361),

Gene: Skelbel_40 Start: 30355, Stop: 32220, Start Num: 181

Candidate Starts for Skelbel_40:

(Start: 181 @30355 has 918 MA's), (213, 30403), (290, 30586), (293, 30592), (311, 30652), (318, 30673), (345, 30742), (443, 30958), (484, 31048), (489, 31057), (494, 31072), (516, 31117), (560, 31210), (619, 31348), (649, 31468), (660, 31498), (677, 31555), (690, 31612), (692, 31621), (703, 31645), (726, 31714), (750, 31786), (754, 31795), (799, 31894), (828, 31957), (874, 32116), (879, 32125),

Gene: SketchMex_43 Start: 32515, Stop: 30125, Start Num: 20

Candidate Starts for SketchMex_43:

(Start: 20 @32515 has 19 MA's), (36, 32452), (41, 32434), (43, 32419), (52, 32365), (53, 32353), (55, 32332), (64, 32299), (69, 32272), (73, 32248), (90, 32221), (Start: 142 @32116 has 1 MA's), (176, 32068), (238, 31951), (274, 31870), (288, 31843), (296, 31822), (312, 31768), (313, 31765), (329,

(31747), (335, 31726), (355, 31666), (427, 31468), (440, 31426), (496, 31339), (519, 31315), (542, 31309), (566, 31255), (570, 31249), (590, 31207), (596, 31204), (598, 31201), (648, 31054), (653, 31012), (659, 30985), (672, 30943), (692, 30850), (705, 30814), (707, 30808), (709, 30802), (711, 30796), (718, 30772), (729, 30739), (735, 30715), (745, 30670), (766, 30610), (829, 30457), (874, 30289), (889, 30244), (891, 30235), (894, 30226),

Gene: SkiPole_47 Start: 35312, Stop: 33483, Start Num: 181

Candidate Starts for SkiPole_47:

(Start: 181 @35312 has 918 MA's), (277, 35099), (285, 35084), (302, 35036), (311, 35006), (318, 34985), (323, 34979), (328, 34970), (369, 34853), (378, 34826), (438, 34733), (443, 34718), (483, 34634), (484, 34631), (514, 34565), (542, 34505), (562, 34460), (583, 34421), (649, 34241), (665, 34193), (680, 34145), (689, 34106), (692, 34088), (706, 34049), (722, 34028), (728, 34007), (732, 33992), (779, 33869), (853, 33698), (858, 33674), (871, 33626), (874, 33614), (884, 33593), (887, 33587), (903, 33539), (908, 33524),

Gene: Skipitt_44 Start: 31564, Stop: 29738, Start Num: 181

Candidate Starts for Skipitt_44:

(Start: 181 @31564 has 918 MA's), (195, 31543), (214, 31513), (224, 31483), (291, 31321), (298, 31303), (323, 31231), (328, 31222), (370, 31102), (378, 31078), (438, 30985), (460, 30937), (472, 30916), (489, 30877), (549, 30745), (560, 30724), (583, 30679), (586, 30667), (646, 30514), (649, 30493), (685, 30370), (692, 30340), (706, 30301), (728, 30235), (729, 30232), (733, 30217), (739, 30193), (750, 30169), (832, 29962), (874, 29827), (880, 29815), (884, 29806),

Gene: Sknot_44 Start: 31360, Stop: 29573, Start Num: 181

Candidate Starts for Sknot_44:

(Start: 181 @31360 has 918 MA's), (273, 31156), (275, 31153), (277, 31147), (291, 31117), (302, 31084), (303, 31081), (311, 31054), (323, 31027), (341, 30976), (378, 30874), (438, 30781), (458, 30733), (466, 30724), (472, 30709), (499, 30643), (539, 30562), (560, 30514), (628, 30370), (649, 30289), (667, 30238), (676, 30205), (692, 30136), (706, 30097), (722, 30076), (728, 30055), (731, 30043), (813, 29863), (816, 29857), (828, 29821), (832, 29797), (859, 29719), (874, 29662), (880, 29650),

Gene: Skylord_40 Start: 27452, Stop: 29320, Start Num: 168

Candidate Starts for Skylord_40:

(Start: 168 @27452 has 7 MA's), (Start: 171 @27455 has 61 MA's), (173, 27458), (Start: 219 @27527 has 1 MA's), (333, 27809), (341, 27836), (366, 27890), (453, 28055), (489, 28130), (497, 28151), (635, 28505), (649, 28565), (667, 28616), (683, 28682), (692, 28718), (726, 28811), (793, 28982), (828, 29054), (855, 29135), (873, 29210), (874, 29213), (884, 29234), (910, 29303),

Gene: Slagathor_47 Start: 35125, Stop: 33338, Start Num: 181

Candidate Starts for Slagathor_47:

(Start: 181 @35125 has 918 MA's), (277, 34912), (285, 34897), (311, 34819), (318, 34798), (323, 34792), (328, 34783), (369, 34666), (378, 34639), (438, 34546), (443, 34531), (458, 34498), (483, 34447), (484, 34444), (514, 34378), (530, 34348), (542, 34318), (562, 34273), (583, 34234), (649, 34054), (665, 34006), (677, 33967), (692, 33901), (725, 33829), (728, 33820), (757, 33736), (796, 33649), (846, 33523), (853, 33511), (874, 33427), (878, 33421),

Gene: Slay_43 Start: 30006, Stop: 31880, Start Num: 171

Candidate Starts for Slay_43:

(Start: 168 @30003 has 7 MA's), (Start: 171 @30006 has 61 MA's), (Start: 219 @30075 has 1 MA's), (227, 30096), (273, 30213), (302, 30276), (328, 30342), (341, 30384), (489, 30678), (549, 30813), (594, 30912), (635, 31035), (649, 31095), (650, 31101), (667, 31146), (674, 31161), (675, 31176), (683, 31212), (692, 31248), (726, 31341), (758, 31434), (793, 31512), (828, 31584), (836, 31623),

(855, 31665), (858, 31683), (874, 31743), (884, 31764),

Gene: Smairt_47 Start: 35424, Stop: 33637, Start Num: 181

Candidate Starts for Smairt_47:

(Start: 181 @35424 has 918 MA's), (277, 35211), (285, 35196), (311, 35118), (318, 35097), (323, 35091), (328, 35082), (369, 34965), (378, 34938), (438, 34845), (443, 34830), (451, 34809), (458, 34797), (483, 34746), (484, 34743), (506, 34689), (514, 34677), (530, 34647), (542, 34617), (562, 34572), (583, 34533), (649, 34353), (665, 34305), (677, 34266), (692, 34200), (725, 34128), (728, 34119), (757, 34035), (796, 33948), (846, 33822), (853, 33810), (874, 33726), (878, 33720),

Gene: Smeadley_43 Start: 30722, Stop: 28878, Start Num: 181

Candidate Starts for Smeadley_43:

(89, 30887), (Start: 181 @30722 has 918 MA's), (214, 30671), (261, 30548), (273, 30518), (291, 30479), (302, 30446), (311, 30416), (318, 30395), (323, 30389), (328, 30380), (341, 30338), (360, 30287), (377, 30239), (378, 30236), (438, 30140), (448, 30113), (455, 30095), (458, 30092), (466, 30083), (489, 30029), (499, 30002), (524, 29954), (549, 29897), (562, 29870), (586, 29819), (596, 29804), (646, 29657), (649, 29636), (660, 29606), (665, 29588), (667, 29585), (674, 29570), (677, 29549), (680, 29540), (685, 29513), (689, 29501), (692, 29483), (728, 29402), (731, 29390), (750, 29336), (763, 29300), (779, 29264), (796, 29231), (813, 29210), (816, 29204), (829, 29165), (832, 29144), (837, 29126), (874, 29009), (878, 29003), (880, 28997),

Gene: Smeagan_47 Start: 31877, Stop: 30090, Start Num: 181

Candidate Starts for Smeagan_47:

(Start: 181 @31877 has 918 MA's), (275, 31670), (277, 31664), (286, 31649), (291, 31634), (303, 31598), (311, 31571), (323, 31544), (332, 31523), (378, 31391), (438, 31298), (455, 31253), (458, 31250), (466, 31241), (472, 31226), (499, 31160), (539, 31079), (560, 31031), (562, 31025), (649, 30806), (667, 30755), (676, 30722), (677, 30719), (692, 30653), (706, 30614), (722, 30593), (745, 30518), (750, 30506), (767, 30455), (801, 30392), (816, 30374), (828, 30338), (832, 30314), (859, 30236), (874, 30179), (880, 30167), (884, 30158),

Gene: Smeagol_46 Start: 35946, Stop: 34120, Start Num: 181

Candidate Starts for Smeagol_46:

(Start: 181 @35946 has 918 MA's), (277, 35733), (285, 35718), (311, 35640), (318, 35619), (323, 35613), (328, 35604), (369, 35487), (378, 35460), (438, 35367), (443, 35352), (458, 35319), (483, 35268), (484, 35265), (514, 35199), (530, 35169), (542, 35139), (562, 35094), (583, 35055), (649, 34875), (665, 34827), (667, 34824), (677, 34788), (692, 34722), (728, 34641), (729, 34638), (757, 34557), (828, 34407), (829, 34404), (836, 34368), (846, 34344), (856, 34323), (874, 34248), (884, 34227),

Gene: SmellyB_45 Start: 29627, Stop: 27786, Start Num: 181

Candidate Starts for SmellyB_45:

(Start: 181 @29627 has 918 MA's), (273, 29423), (302, 29348), (303, 29345), (311, 29318), (316, 29303), (323, 29291), (341, 29240), (374, 29150), (378, 29138), (438, 29045), (453, 29006), (466, 28988), (472, 28973), (499, 28907), (516, 28874), (517, 28871), (564, 28769), (595, 28709), (628, 28625), (649, 28544), (676, 28460), (677, 28457), (680, 28448), (685, 28421), (692, 28391), (722, 28331), (733, 28292), (828, 28076), (829, 28073), (832, 28052), (874, 27917), (880, 27905), (884, 27896), (885, 27893), (923, 27800),

Gene: SnapTap_44 Start: 31345, Stop: 29558, Start Num: 181

Candidate Starts for SnapTap_44:

(67, 31600), (Start: 181 @31345 has 918 MA's), (273, 31141), (275, 31138), (277, 31132), (286, 31117), (291, 31102), (302, 31069), (303, 31066), (311, 31039), (323, 31012), (332, 30991), (341, 30961), (378, 30859), (438, 30766), (458, 30718), (466, 30709), (472, 30694), (499, 30628), (539,

30547), (560, 30499), (562, 30493), (595, 30430), (628, 30355), (649, 30274), (667, 30223), (676, 30190), (677, 30187), (692, 30121), (706, 30082), (722, 30061), (745, 29986), (753, 29968), (767, 29923), (782, 29896), (801, 29860), (813, 29848), (816, 29842), (828, 29806), (832, 29782), (859, 29704), (874, 29647), (880, 29635), (884, 29626),

Gene: Snape_44 Start: 30329, Stop: 28542, Start Num: 181

Candidate Starts for Snape_44:

(Start: 181 @30329 has 918 MA's), (273, 30125), (302, 30053), (311, 30023), (323, 29996), (440, 29744), (466, 29693), (499, 29612), (523, 29567), (560, 29483), (586, 29426), (617, 29384), (628, 29339), (649, 29258), (667, 29207), (677, 29171), (692, 29105), (722, 29045), (725, 29033), (760, 28931), (767, 28907), (777, 28889), (816, 28826), (825, 28799), (828, 28790), (832, 28766), (874, 28631), (880, 28619), (884, 28610),

Gene: Snazzy_42 Start: 34003, Stop: 32177, Start Num: 181

Candidate Starts for Snazzy_42:

(Start: 181 @34003 has 918 MA's), (277, 33790), (285, 33775), (311, 33697), (318, 33676), (323, 33670), (328, 33661), (369, 33544), (378, 33517), (438, 33424), (443, 33409), (458, 33376), (483, 33325), (484, 33322), (514, 33256), (530, 33226), (542, 33196), (562, 33151), (583, 33112), (649, 32932), (660, 32902), (665, 32884), (667, 32881), (677, 32845), (692, 32779), (728, 32698), (729, 32695), (757, 32614), (828, 32464), (829, 32461), (836, 32425), (846, 32401), (852, 32392), (856, 32380), (874, 32305), (884, 32284),

Gene: Snek_40 Start: 28185, Stop: 30029, Start Num: 181

Candidate Starts for Snek_40:

(Start: 181 @28185 has 918 MA's), (213, 28233), (235, 28293), (273, 28389), (290, 28416), (303, 28455), (318, 28503), (345, 28572), (440, 28758), (489, 28866), (494, 28881), (554, 29010), (560, 29019), (619, 29157), (649, 29277), (677, 29364), (690, 29421), (692, 29430), (726, 29523), (828, 29766), (874, 29925), (879, 29934), (909, 30012),

Gene: Snickers_48 Start: 31826, Stop: 30012, Start Num: 181

Candidate Starts for Snickers_48:

(Start: 181 @31826 has 918 MA's), (206, 31787), (214, 31775), (273, 31622), (281, 31607), (302, 31550), (323, 31493), (328, 31484), (341, 31442), (360, 31391), (378, 31340), (438, 31247), (458, 31199), (466, 31190), (472, 31175), (489, 31136), (499, 31109), (514, 31079), (555, 30986), (584, 30926), (595, 30911), (649, 30755), (677, 30668), (692, 30602), (706, 30563), (729, 30491), (739, 30452), (750, 30428), (757, 30410), (767, 30377), (782, 30350), (816, 30296), (832, 30236), (859, 30158), (874, 30101), (880, 30089), (884, 30080),

Gene: SoYo_48 Start: 31764, Stop: 29950, Start Num: 181

Candidate Starts for SoYo_48:

(Start: 181 @31764 has 918 MA's), (206, 31725), (214, 31713), (273, 31560), (281, 31545), (302, 31488), (323, 31431), (328, 31422), (341, 31380), (360, 31329), (378, 31278), (438, 31185), (458, 31137), (466, 31128), (472, 31113), (489, 31074), (499, 31047), (514, 31017), (555, 30924), (584, 30864), (595, 30849), (649, 30693), (677, 30606), (692, 30540), (706, 30501), (729, 30429), (739, 30390), (750, 30366), (757, 30348), (767, 30315), (782, 30288), (816, 30234), (832, 30174), (859, 30096), (874, 30039), (880, 30027), (884, 30018),

Gene: Socotra_44 Start: 32553, Stop: 30160, Start Num: 20

Candidate Starts for Socotra_44:

(Start: 20 @32553 has 19 MA's), (28, 32547), (Start: 35 @32499 has 1 MA's), (43, 32457), (49, 32433), (69, 32307), (73, 32283), (97, 32238), (123, 32187), (132, 32172), (Start: 142 @32151 has 1 MA's), (176, 32103), (204, 32061), (238, 31986), (240, 31974), (274, 31905), (290, 31872), (296, 31857), (312, 31803), (313, 31800), (329, 31782), (335, 31761), (355, 31701), (404, 31578), (405, 31572),

(427, 31503), (440, 31461), (496, 31374), (519, 31350), (542, 31344), (552, 31320), (556, 31311), (563, 31296), (570, 31284), (590, 31242), (596, 31239), (598, 31236), (648, 31089), (659, 31020), (661, 31014), (672, 30978), (692, 30885), (705, 30849), (707, 30843), (709, 30837), (711, 30831), (729, 30774), (735, 30750), (745, 30705), (874, 30324), (889, 30279), (891, 30270), (911, 30210),

Gene: Softsoap_42 Start: 29403, Stop: 31277, Start Num: 171

Candidate Starts for Softsoap_42:

(Start: 171 @29403 has 61 MA's), (Start: 219 @29472 has 1 MA's), (227, 29493), (328, 29739), (333, 29754), (341, 29781), (489, 30075), (549, 30210), (594, 30309), (635, 30432), (649, 30492), (667, 30543), (674, 30558), (675, 30573), (683, 30609), (692, 30645), (726, 30738), (758, 30831), (793, 30909), (828, 30981), (836, 31020), (855, 31062), (858, 31080), (868, 31116), (874, 31140), (884, 31161),

Gene: SoilDragon_48 Start: 31301, Stop: 29487, Start Num: 181

Candidate Starts for SoilDragon_48:

(Start: 181 @31301 has 918 MA's), (206, 31262), (214, 31250), (273, 31097), (281, 31082), (302, 31025), (323, 30968), (328, 30959), (341, 30917), (360, 30866), (378, 30815), (438, 30722), (458, 30674), (466, 30665), (472, 30650), (489, 30611), (499, 30584), (514, 30554), (555, 30461), (562, 30449), (584, 30401), (595, 30386), (649, 30230), (677, 30143), (692, 30077), (706, 30038), (729, 29966), (739, 29927), (750, 29903), (757, 29885), (767, 29852), (782, 29825), (816, 29771), (832, 29711), (859, 29633), (874, 29576), (880, 29564), (884, 29555),

Gene: SoilGremlin_39 Start: 28933, Stop: 27068, Start Num: 211

Candidate Starts for SoilGremlin_39:

(Start: 140 @29020 has 3 MA's), (Start: 211 @28933 has 115 MA's), (Start: 215 @28924 has 5 MA's), (255, 28819), (259, 28810), (275, 28780), (276, 28777), (332, 28657), (335, 28645), (338, 28639), (374, 28534), (384, 28507), (434, 28366), (435, 28360), (437, 28357), (440, 28345), (450, 28318), (451, 28315), (458, 28300), (461, 28294), (466, 28288), (481, 28255), (561, 28126), (584, 28066), (685, 27751), (688, 27742), (689, 27739), (692, 27721), (707, 27679), (709, 27673), (712, 27664), (718, 27649), (735, 27592), (787, 27433), (802, 27403), (804, 27394), (829, 27334), (833, 27310), (846, 27271), (857, 27238), (858, 27226), (874, 27166),

Gene: Solea_43 Start: 29387, Stop: 31261, Start Num: 171

Candidate Starts for Solea_43:

(Start: 171 @29387 has 61 MA's), (Start: 219 @29456 has 1 MA's), (227, 29477), (328, 29723), (333, 29738), (341, 29765), (489, 30059), (549, 30194), (594, 30293), (635, 30416), (649, 30476), (650, 30482), (667, 30527), (674, 30542), (675, 30557), (683, 30593), (692, 30629), (726, 30722), (758, 30815), (793, 30893), (828, 30965), (836, 31004), (855, 31046), (858, 31064), (868, 31100), (874, 31124), (884, 31145),

Gene: SolidSnake_40 Start: 28936, Stop: 27071, Start Num: 211

Candidate Starts for SolidSnake_40:

(Start: 140 @29023 has 3 MA's), (Start: 211 @28936 has 115 MA's), (Start: 215 @28927 has 5 MA's), (255, 28822), (259, 28813), (275, 28783), (276, 28780), (332, 28660), (335, 28648), (338, 28642), (374, 28537), (384, 28510), (434, 28369), (435, 28363), (437, 28360), (440, 28348), (450, 28321), (451, 28318), (458, 28303), (461, 28297), (466, 28291), (481, 28258), (561, 28129), (584, 28069), (685, 27754), (688, 27745), (689, 27742), (692, 27724), (707, 27682), (709, 27676), (712, 27667), (718, 27652), (735, 27595), (787, 27436), (802, 27406), (804, 27397), (829, 27337), (833, 27313), (846, 27274), (857, 27241), (858, 27229), (874, 27169),

Gene: Solon_44 Start: 34769, Stop: 32940, Start Num: 181

Candidate Starts for Solon_44:

(Start: 181 @34769 has 918 MA's), (277, 34556), (285, 34541), (302, 34493), (311, 34463), (318, 34442), (323, 34436), (328, 34427), (369, 34310), (378, 34283), (438, 34190), (443, 34175), (458, 34142), (483, 34091), (484, 34088), (514, 34022), (530, 33992), (542, 33962), (562, 33917), (583, 33878), (649, 33698), (665, 33650), (680, 33602), (689, 33563), (692, 33545), (706, 33506), (722, 33485), (728, 33464), (732, 33449), (779, 33326), (853, 33155), (858, 33131), (871, 33083), (874, 33071), (884, 33050), (887, 33044), (903, 32996), (908, 32981),

Gene: SonOfLevi_38 Start: 28701, Stop: 26749, Start Num: 140

Candidate Starts for SonOfLevi_38:

(Start: 140 @28701 has 3 MA's), (Start: 211 @28614 has 115 MA's), (Start: 215 @28605 has 5 MA's), (255, 28500), (259, 28491), (275, 28461), (276, 28458), (332, 28338), (335, 28326), (338, 28320), (374, 28215), (384, 28188), (434, 28047), (435, 28041), (437, 28038), (440, 28026), (450, 27999), (451, 27996), (458, 27981), (461, 27975), (466, 27969), (481, 27936), (561, 27807), (584, 27747), (685, 27432), (688, 27423), (689, 27420), (692, 27402), (707, 27360), (709, 27354), (718, 27330), (735, 27273), (787, 27114), (802, 27084), (804, 27075), (829, 27015), (833, 26991), (846, 26952), (857, 26919), (858, 26907), (874, 26847),

Gene: Soondubu_37 Start: 30879, Stop: 32723, Start Num: 181

Candidate Starts for Soondubu_37:

(Start: 181 @30879 has 918 MA's), (296, 31125), (311, 31176), (471, 31518), (489, 31560), (494, 31575), (499, 31587), (549, 31692), (554, 31704), (560, 31713), (619, 31851), (649, 31971), (660, 32001), (692, 32124), (704, 32154), (726, 32217), (729, 32226), (828, 32460), (832, 32484), (846, 32523), (853, 32535), (855, 32541), (858, 32559), (874, 32619),

Gene: Sooty_38 Start: 27604, Stop: 29586, Start Num: 181

Candidate Starts for Sooty_38:

(Start: 181 @27604 has 918 MA's), (261, 27778), (293, 27841), (303, 27874), (332, 27949), (420, 28177), (489, 28351), (560, 28507), (619, 28645), (643, 28732), (649, 28765), (660, 28795), (677, 28852), (692, 28918), (726, 29011), (832, 29278), (839, 29302), (874, 29413), (919, 29521),

Gene: Sopespian_41 Start: 32442, Stop: 30049, Start Num: 20

Candidate Starts for Sopespian_41:

(Start: 20 @32442 has 19 MA's), (28, 32436), (Start: 35 @32388 has 1 MA's), (43, 32346), (49, 32322), (69, 32196), (73, 32172), (97, 32127), (123, 32076), (132, 32061), (Start: 142 @32040 has 1 MA's), (176, 31992), (Start: 198 @31959 has 6 MA's), (204, 31950), (238, 31875), (240, 31863), (274, 31794), (288, 31767), (290, 31761), (296, 31746), (312, 31692), (313, 31689), (329, 31671), (335, 31650), (355, 31590), (404, 31467), (405, 31461), (427, 31392), (440, 31350), (496, 31263), (519, 31239), (542, 31233), (552, 31209), (556, 31200), (563, 31185), (570, 31173), (590, 31131), (596, 31128), (598, 31125), (648, 30978), (653, 30936), (659, 30909), (661, 30903), (692, 30774), (705, 30738), (707, 30732), (709, 30726), (711, 30720), (729, 30663), (735, 30639), (745, 30594), (873, 30216), (874, 30213), (889, 30168), (891, 30159), (911, 30099),

Gene: SorJuana_54 Start: 36486, Stop: 34318, Start Num: 158

Candidate Starts for SorJuana_54:

(155, 36489), (Start: 158 @36486 has 13 MA's), (195, 36432), (Start: 230 @36348 has 5 MA's), (289, 36195), (293, 36186), (306, 36141), (328, 36063), (330, 36054), (335, 36039), (341, 36024), (342, 36021), (362, 35964), (393, 35871), (401, 35829), (469, 35634), (473, 35622), (475, 35616), (486, 35592), (493, 35571), (501, 35550), (505, 35535), (509, 35529), (541, 35466), (562, 35415), (587, 35328), (616, 35268), (628, 35220), (652, 35118), (655, 35112), (669, 35085), (670, 35082), (676, 35061), (686, 35019), (688, 35013), (693, 34989), (707, 34947), (708, 34944), (716, 34917), (723, 34884), (727, 34872), (736, 34836), (745, 34812), (748, 34806), (750, 34800), (768, 34746), (792, 34698), (795, 34695), (820, 34635), (828, 34611), (834, 34581), (854, 34527), (871, 34458), (874, 34446), (885, 34407),

Gene: Soror1_38 Start: 29069, Stop: 27204, Start Num: 211

Candidate Starts for Soror1_38:

(Start: 211 @29069 has 115 MA's), (Start: 215 @29060 has 5 MA's), (330, 28796), (335, 28781), (338, 28775), (384, 28643), (406, 28589), (410, 28577), (434, 28502), (437, 28493), (440, 28481), (450, 28454), (451, 28451), (458, 28436), (461, 28430), (468, 28418), (496, 28349), (630, 28100), (685, 27887), (688, 27878), (689, 27875), (692, 27857), (707, 27815), (735, 27728), (787, 27569), (802, 27539), (829, 27470), (833, 27446), (846, 27407), (857, 27374), (858, 27362),

Gene: SororFago_48 Start: 33066, Stop: 31273, Start Num: 181

Candidate Starts for SororFago_48:

(Start: 181 @33066 has 918 MA's), (187, 33057), (Start: 209 @33024 has 41 MA's), (236, 32955), (273, 32862), (302, 32787), (303, 32784), (323, 32730), (328, 32721), (370, 32601), (378, 32577), (438, 32484), (455, 32439), (514, 32316), (583, 32169), (616, 32118), (649, 31989), (665, 31941), (667, 31938), (674, 31923), (692, 31836), (722, 31776), (725, 31764), (728, 31755), (733, 31737), (757, 31671), (767, 31638), (782, 31611), (825, 31530), (828, 31521), (855, 31440), (859, 31419), (862, 31410), (874, 31362), (880, 31350), (884, 31341),

Gene: Sorpresa_44 Start: 34874, Stop: 33048, Start Num: 181

Candidate Starts for Sorpresa_44:

(Start: 181 @34874 has 918 MA's), (277, 34661), (285, 34646), (311, 34568), (318, 34547), (323, 34541), (328, 34532), (369, 34415), (378, 34388), (438, 34295), (443, 34280), (458, 34247), (483, 34196), (484, 34193), (514, 34127), (530, 34097), (542, 34067), (562, 34022), (583, 33983), (649, 33803), (665, 33755), (677, 33716), (692, 33650), (728, 33569), (729, 33566), (757, 33485), (828, 33335), (829, 33332), (836, 33296), (846, 33272), (852, 33263), (856, 33251), (874, 33176), (884, 33155),

Gene: Soshari_50 Start: 31880, Stop: 30066, Start Num: 181

Candidate Starts for Soshari_50:

(Start: 181 @31880 has 918 MA's), (206, 31841), (214, 31829), (273, 31676), (281, 31661), (302, 31604), (323, 31547), (328, 31538), (341, 31496), (360, 31445), (378, 31394), (420, 31340), (438, 31301), (458, 31253), (472, 31229), (489, 31190), (499, 31163), (514, 31133), (555, 31040), (562, 31028), (584, 30980), (595, 30965), (649, 30809), (667, 30758), (676, 30725), (677, 30722), (692, 30656), (706, 30617), (729, 30545), (739, 30506), (750, 30482), (757, 30464), (767, 30431), (816, 30350), (832, 30290), (862, 30203), (874, 30155), (880, 30143), (884, 30134), (885, 30131),

Gene: Soups_47 Start: 29943, Stop: 28153, Start Num: 181

Candidate Starts for Soups_47:

(Start: 181 @29943 has 918 MA's), (261, 29769), (302, 29664), (303, 29661), (311, 29634), (323, 29607), (341, 29556), (378, 29454), (438, 29361), (455, 29316), (458, 29313), (466, 29304), (539, 29142), (549, 29115), (560, 29094), (562, 29088), (619, 28989), (628, 28950), (644, 28899), (649, 28869), (667, 28818), (676, 28785), (683, 28752), (685, 28746), (692, 28716), (722, 28656), (728, 28635), (739, 28593), (751, 28566), (757, 28551), (796, 28464), (828, 28401), (829, 28398), (874, 28242), (880, 28230), (885, 28218),

Gene: Sparxx_46 Start: 31565, Stop: 29739, Start Num: 181

Candidate Starts for Sparxx_46:

(Start: 181 @31565 has 918 MA's), (195, 31544), (214, 31514), (224, 31484), (291, 31322), (298, 31304), (323, 31232), (328, 31223), (370, 31103), (378, 31079), (438, 30986), (460, 30938), (472, 30917), (489, 30878), (560, 30725), (583, 30680), (586, 30668), (646, 30515), (649, 30494), (685, 30371), (692, 30341), (706, 30302), (728, 30236), (729, 30233), (733, 30218), (739, 30194), (750, 30170), (832, 29963), (874, 29828), (880, 29816), (884, 29807),

Gene: SpecialK_38 Start: 27587, Stop: 29569, Start Num: 181

Candidate Starts for SpecialK_38:

(Start: 181 @27587 has 918 MA's), (261, 27761), (273, 27791), (293, 27824), (303, 27857), (332, 27932), (340, 27959), (420, 28160), (489, 28334), (560, 28490), (619, 28628), (643, 28715), (649, 28748), (660, 28778), (677, 28835), (692, 28901), (726, 28994), (832, 29261), (839, 29285), (874, 29396), (919, 29504),

Gene: Spike509_48 Start: 31881, Stop: 30067, Start Num: 181

Candidate Starts for Spike509_48:

(Start: 181 @31881 has 918 MA's), (206, 31842), (214, 31830), (273, 31677), (281, 31662), (302, 31605), (323, 31548), (328, 31539), (341, 31497), (360, 31446), (378, 31395), (420, 31341), (438, 31302), (458, 31254), (472, 31230), (489, 31191), (499, 31164), (514, 31134), (555, 31041), (562, 31029), (584, 30981), (595, 30966), (649, 30810), (667, 30759), (676, 30726), (677, 30723), (692, 30657), (706, 30618), (729, 30546), (739, 30507), (750, 30483), (757, 30465), (767, 30432), (816, 30351), (832, 30291), (862, 30204), (874, 30156), (880, 30144), (884, 30135), (885, 30132),

Gene: SpikeBT_45 Start: 35111, Stop: 33285, Start Num: 181

Candidate Starts for SpikeBT_45:

(Start: 181 @35111 has 918 MA's), (277, 34898), (302, 34835), (311, 34805), (318, 34784), (323, 34778), (328, 34769), (369, 34652), (378, 34625), (438, 34532), (443, 34517), (458, 34484), (483, 34433), (484, 34430), (506, 34376), (514, 34364), (530, 34334), (542, 34304), (562, 34259), (583, 34220), (649, 34040), (660, 34010), (665, 33992), (667, 33989), (677, 33953), (692, 33887), (728, 33806), (729, 33803), (757, 33722), (828, 33572), (829, 33569), (836, 33533), (846, 33509), (852, 33500), (856, 33488), (874, 33413), (884, 33392),

Gene: Spino_44 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Spino_44:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Spooks_19 Start: 12624, Stop: 10834, Start Num: 181

Candidate Starts for Spooks_19:

(Start: 181 @12624 has 918 MA's), (273, 12423), (277, 12414), (291, 12384), (311, 12321), (323, 12294), (332, 12273), (378, 12141), (433, 12063), (438, 12048), (560, 11778), (562, 11772), (583, 11733), (587, 11718), (632, 11631), (642, 11604), (649, 11562), (671, 11499), (682, 11448), (683, 11442), (692, 11406), (722, 11346), (725, 11334), (728, 11325), (740, 11280), (825, 11100), (853, 11016), (868, 10956), (874, 10932), (900, 10863),

Gene: Spouty_45 Start: 31549, Stop: 29756, Start Num: 181

Candidate Starts for Spouty_45:

(Start: 181 @31549 has 918 MA's), (187, 31540), (214, 31498), (259, 31378), (261, 31375), (282, 31327), (303, 31267), (312, 31237), (316, 31225), (323, 31213), (378, 31060), (438, 30967), (499, 30829), (514, 30799), (586, 30640), (595, 30628), (616, 30601), (646, 30493), (649, 30472), (689, 30337), (692, 30319), (728, 30238), (739, 30196), (767, 30121), (813, 30046), (828, 30004), (859, 29902), (874, 29845), (880, 29833), (884, 29824),

Gene: Squee_44 Start: 34851, Stop: 33025, Start Num: 181

Candidate Starts for Squee_44:

(Start: 181 @34851 has 918 MA's), (277, 34638), (285, 34623), (302, 34575), (311, 34545), (318, 34524), (323, 34518), (328, 34509), (369, 34392), (378, 34365), (438, 34272), (443, 34257), (483,

34173), (484, 34170), (514, 34104), (530, 34074), (542, 34044), (562, 33999), (583, 33960), (649, 33780), (660, 33750), (665, 33732), (667, 33729), (677, 33693), (692, 33627), (728, 33546), (729, 33543), (757, 33462), (828, 33312), (829, 33309), (836, 33273), (846, 33249), (852, 33240), (856, 33228), (874, 33153), (884, 33132),

Gene: Squirrel_39 Start: 28105, Stop: 29988, Start Num: 172

Candidate Starts for Squirrel_39:

(Start: 172 @28105 has 3 MA's), (195, 28126), (Start: 219 @28174 has 1 MA's), (227, 28195), (273, 28312), (302, 28375), (311, 28405), (318, 28426), (328, 28441), (332, 28453), (366, 28534), (371, 28549), (450, 28705), (467, 28735), (489, 28786), (497, 28807), (500, 28816), (547, 28915), (649, 29203), (650, 29209), (674, 29269), (677, 29290), (683, 29320), (686, 29329), (692, 29356), (726, 29449), (733, 29473), (757, 29539), (758, 29542), (793, 29620), (796, 29626), (820, 29671), (839, 29740), (855, 29773), (857, 29779), (858, 29791), (859, 29794), (874, 29851), (882, 29866), (884, 29872), (918, 29953),

Gene: StCroix_36 Start: 28126, Stop: 26342, Start Num: 181

Candidate Starts for StCroix_36:

(Start: 181 @28126 has 918 MA's), (288, 27892), (299, 27862), (301, 27853), (302, 27850), (316, 27805), (323, 27793), (341, 27742), (378, 27640), (391, 27619), (438, 27547), (455, 27502), (458, 27499), (480, 27457), (482, 27451), (489, 27436), (499, 27409), (549, 27304), (553, 27295), (562, 27277), (564, 27274), (583, 27238), (649, 27058), (665, 27010), (692, 26905), (693, 26902), (722, 26845), (728, 26824), (769, 26701), (816, 26626), (828, 26590), (832, 26566), (859, 26488), (874, 26431), (880, 26419), (894, 26380), (900, 26362),

Gene: Stagni_48 Start: 31855, Stop: 30041, Start Num: 181

Candidate Starts for Stagni_48:

(Start: 181 @31855 has 918 MA's), (206, 31816), (214, 31804), (273, 31651), (281, 31636), (302, 31579), (323, 31522), (328, 31513), (341, 31471), (360, 31420), (378, 31369), (438, 31276), (458, 31228), (466, 31219), (472, 31204), (489, 31165), (499, 31138), (514, 31108), (555, 31015), (584, 30955), (595, 30940), (649, 30784), (677, 30697), (692, 30631), (706, 30592), (729, 30520), (739, 30481), (750, 30457), (757, 30439), (767, 30406), (782, 30379), (816, 30325), (832, 30265), (859, 30187), (874, 30130), (880, 30118), (884, 30109),

Gene: Stanktossa_39 Start: 28930, Stop: 27065, Start Num: 211

Candidate Starts for Stanktossa_39:

(Start: 140 @29017 has 3 MA's), (Start: 142 @29014 has 1 MA's), (Start: 211 @28930 has 115 MA's), (Start: 215 @28921 has 5 MA's), (255, 28816), (259, 28807), (275, 28777), (276, 28774), (332, 28654), (335, 28642), (338, 28636), (374, 28531), (384, 28504), (434, 28363), (435, 28357), (437, 28354), (440, 28342), (450, 28315), (451, 28312), (458, 28297), (461, 28291), (466, 28285), (481, 28252), (584, 28063), (685, 27748), (688, 27739), (689, 27736), (692, 27718), (707, 27676), (709, 27670), (712, 27661), (718, 27646), (735, 27589), (787, 27430), (802, 27400), (804, 27391), (829, 27331), (833, 27307), (846, 27268), (857, 27235), (858, 27223), (874, 27163),

Gene: StarStuff_47 Start: 31156, Stop: 29333, Start Num: 181

Candidate Starts for StarStuff_47:

(Start: 181 @31156 has 918 MA's), (273, 30952), (285, 30928), (291, 30910), (298, 30892), (302, 30877), (303, 30874), (311, 30847), (323, 30820), (341, 30769), (378, 30667), (438, 30574), (458, 30526), (466, 30517), (471, 30505), (499, 30436), (530, 30376), (583, 30262), (595, 30238), (617, 30199), (649, 30073), (667, 30022), (677, 29986), (692, 29920), (706, 29881), (729, 29812), (739, 29773), (758, 29728), (767, 29698), (801, 29635), (813, 29623), (816, 29617), (832, 29557), (874, 29422), (880, 29410), (884, 29401),

Gene: Starburst_43 Start: 32435, Stop: 30042, Start Num: 20

Candidate Starts for Starburst_43:

(Start: 20 @32435 has 19 MA's), (28, 32429), (Start: 35 @32381 has 1 MA's), (43, 32339), (49, 32315), (69, 32189), (73, 32165), (97, 32120), (123, 32069), (132, 32054), (Start: 142 @32033 has 1 MA's), (176, 31985), (204, 31943), (238, 31868), (240, 31856), (274, 31787), (288, 31760), (290, 31754), (296, 31739), (312, 31685), (313, 31682), (329, 31664), (335, 31643), (355, 31583), (404, 31460), (405, 31454), (427, 31385), (440, 31343), (496, 31256), (519, 31232), (542, 31226), (552, 31202), (556, 31193), (563, 31178), (570, 31166), (590, 31124), (596, 31121), (598, 31118), (648, 30971), (659, 30902), (661, 30896), (672, 30860), (683, 30803), (692, 30767), (705, 30731), (707, 30725), (709, 30719), (711, 30713), (729, 30656), (735, 30632), (745, 30587), (873, 30209), (874, 30206), (889, 30161), (891, 30152), (911, 30092),

Gene: Stasia_44 Start: 31442, Stop: 29613, Start Num: 181

Candidate Starts for Stasia_44:

(120, 31535), (128, 31520), (131, 31517), (137, 31502), (Start: 181 @31442 has 918 MA's), (214, 31391), (224, 31361), (291, 31199), (298, 31181), (302, 31166), (323, 31109), (328, 31100), (370, 30980), (378, 30956), (438, 30863), (460, 30815), (472, 30794), (489, 30755), (549, 30623), (553, 30614), (560, 30602), (583, 30557), (646, 30392), (649, 30371), (685, 30248), (692, 30218), (706, 30179), (728, 30110), (729, 30107), (733, 30092), (739, 30068), (750, 30044), (753, 30038), (758, 30023), (832, 29837), (874, 29702), (880, 29690), (884, 29681),

Gene: SteMason_44 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for SteMason_44:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: SteamedHams_43 Start: 32003, Stop: 29616, Start Num: 26

Candidate Starts for SteamedHams_43:

(10, 32075), (11, 32060), (Start: 26 @32003 has 25 MA's), (29, 31994), (31, 31988), (43, 31907), (64, 31787), (73, 31736), (Start: 142 @31604 has 1 MA's), (164, 31577), (Start: 172 @31562 has 3 MA's), (204, 31514), (217, 31484), (238, 31439), (274, 31361), (296, 31313), (312, 31259), (313, 31256), (329, 31238), (335, 31217), (351, 31166), (355, 31157), (357, 31154), (384, 31079), (404, 31034), (422, 30974), (427, 30959), (456, 30875), (496, 30830), (519, 30806), (542, 30800), (552, 30776), (590, 30698), (596, 30695), (598, 30692), (648, 30545), (659, 30476), (683, 30377), (692, 30341), (705, 30305), (707, 30299), (709, 30293), (711, 30287), (718, 30263), (729, 30230), (735, 30206), (745, 30161), (766, 30101), (829, 29948), (837, 29909), (838, 29906), (874, 29780), (889, 29735), (891, 29726),

Gene: Steamy_41 Start: 30942, Stop: 29098, Start Num: 181

Candidate Starts for Steamy_41:

(71, 31173), (88, 31104), (Start: 181 @30942 has 918 MA's), (195, 30921), (204, 30906), (213, 30894), (261, 30768), (277, 30729), (296, 30684), (303, 30660), (311, 30633), (323, 30606), (332, 30585), (378, 30453), (438, 30360), (458, 30312), (466, 30303), (472, 30288), (499, 30222), (617, 29982), (634, 29919), (649, 29856), (667, 29805), (677, 29769), (685, 29733), (692, 29703), (706, 29664), (722, 29643), (728, 29622), (767, 29505), (795, 29454), (801, 29442), (828, 29388), (829, 29385), (832, 29364), (855, 29307), (859, 29286), (866, 29259), (874, 29229), (880, 29217), (900, 29160),

Gene: StepMih_48 Start: 31846, Stop: 30032, Start Num: 181

Candidate Starts for StepMih_48:

(Start: 181 @31846 has 918 MA's), (206, 31807), (214, 31795), (273, 31642), (281, 31627), (302, 31570), (323, 31513), (328, 31504), (341, 31462), (360, 31411), (378, 31360), (438, 31267), (458,

31219), (466, 31210), (472, 31195), (489, 31156), (499, 31129), (514, 31099), (555, 31006), (584, 30946), (595, 30931), (649, 30775), (677, 30688), (692, 30622), (706, 30583), (729, 30511), (739, 30472), (750, 30448), (757, 30430), (767, 30397), (782, 30370), (816, 30316), (832, 30256), (859, 30178), (874, 30121), (880, 30109), (884, 30100),

Gene: Stephig9_43 Start: 30581, Stop: 28737, Start Num: 181

Candidate Starts for Stephig9_43:

(84, 30764), (89, 30746), (Start: 181 @30581 has 918 MA's), (214, 30530), (261, 30407), (273, 30377), (291, 30338), (302, 30305), (311, 30275), (318, 30254), (323, 30248), (328, 30239), (341, 30197), (360, 30146), (377, 30098), (378, 30095), (438, 29999), (448, 29972), (458, 29951), (466, 29942), (489, 29888), (499, 29861), (524, 29813), (539, 29783), (549, 29756), (562, 29729), (586, 29678), (596, 29663), (646, 29516), (649, 29495), (660, 29465), (665, 29447), (667, 29444), (674, 29429), (677, 29408), (680, 29399), (685, 29372), (689, 29360), (692, 29342), (728, 29261), (750, 29195), (763, 29159), (779, 29123), (796, 29090), (813, 29069), (816, 29063), (829, 29024), (832, 29003), (837, 28985), (874, 28868), (880, 28856),

Gene: Stewart25555_90 Start: 75056, Stop: 76849, Start Num: 190

Candidate Starts for Stewart25555_90:

(Start: 190 @75056 has 7 MA's), (214, 75092), (295, 75287), (303, 75314), (326, 75368), (335, 75395), (338, 75401), (476, 75653), (489, 75680), (491, 75686), (494, 75695), (497, 75701), (521, 75749), (583, 75881), (624, 75977), (634, 76010), (646, 76049), (649, 76070), (650, 76076), (682, 76187), (683, 76193), (706, 76280), (726, 76343), (730, 76355), (739, 76391), (753, 76421), (754, 76424), (774, 76478), (783, 76496), (820, 76580), (828, 76601), (833, 76628), (839, 76649), (853, 76676), (855, 76682), (858, 76700), (874, 76760), (884, 76787), (892, 76811),

Gene: StewieG_44 Start: 32301, Stop: 30472, Start Num: 181

Candidate Starts for StewieG_44:

(Start: 181 @32301 has 918 MA's), (277, 32088), (285, 32073), (302, 32025), (311, 31995), (318, 31974), (323, 31968), (328, 31959), (369, 31842), (378, 31815), (438, 31722), (443, 31707), (458, 31674), (483, 31623), (484, 31620), (514, 31554), (530, 31524), (542, 31494), (562, 31449), (583, 31410), (649, 31230), (665, 31182), (680, 31134), (689, 31095), (692, 31077), (706, 31038), (722, 31017), (728, 30996), (732, 30981), (779, 30858), (853, 30687), (858, 30663), (871, 30615), (874, 30603), (884, 30582), (887, 30576), (903, 30528), (908, 30513),

Gene: StingRay_38 Start: 28635, Stop: 26770, Start Num: 211

Candidate Starts for StingRay_38:

(Start: 140 @28722 has 3 MA's), (Start: 142 @28719 has 1 MA's), (Start: 211 @28635 has 115 MA's), (Start: 215 @28626 has 5 MA's), (255, 28521), (259, 28512), (275, 28482), (276, 28479), (332, 28359), (335, 28347), (338, 28341), (374, 28236), (384, 28209), (434, 28068), (435, 28062), (437, 28059), (440, 28047), (450, 28020), (451, 28017), (458, 28002), (461, 27996), (466, 27990), (481, 27957), (561, 27828), (584, 27768), (685, 27453), (688, 27444), (689, 27441), (692, 27423), (707, 27381), (709, 27375), (712, 27366), (718, 27351), (735, 27294), (787, 27135), (802, 27105), (804, 27096), (829, 27036), (833, 27012), (846, 26973), (857, 26940), (858, 26928), (874, 26868),

Gene: Stink_45 Start: 31990, Stop: 30161, Start Num: 181

Candidate Starts for Stink_45:

(Start: 181 @31990 has 918 MA's), (214, 31939), (224, 31909), (291, 31747), (298, 31729), (323, 31657), (328, 31648), (370, 31528), (378, 31504), (438, 31411), (460, 31363), (472, 31342), (489, 31303), (506, 31258), (510, 31252), (549, 31171), (553, 31162), (560, 31150), (583, 31105), (586, 31093), (649, 30919), (680, 30823), (685, 30796), (686, 30793), (692, 30766), (706, 30727), (728, 30658), (729, 30655), (733, 30640), (739, 30616), (750, 30592), (753, 30586), (832, 30385), (874, 30250), (880, 30238), (884, 30229),

Gene: StirfryIV_38 Start: 28628, Stop: 26763, Start Num: 211

Candidate Starts for StirfryIV_38:

(Start: 140 @28715 has 3 MA's), (Start: 142 @28712 has 1 MA's), (Start: 211 @28628 has 115 MA's), (Start: 215 @28619 has 5 MA's), (255, 28514), (259, 28505), (275, 28475), (276, 28472), (332, 28352), (335, 28340), (338, 28334), (374, 28229), (384, 28202), (434, 28061), (435, 28055), (437, 28052), (440, 28040), (450, 28013), (451, 28010), (458, 27995), (461, 27989), (466, 27983), (481, 27950), (561, 27821), (584, 27761), (685, 27446), (688, 27437), (689, 27434), (692, 27416), (707, 27374), (709, 27368), (712, 27359), (718, 27344), (735, 27287), (787, 27128), (802, 27098), (804, 27089), (829, 27029), (833, 27005), (846, 26966), (857, 26933), (858, 26921), (874, 26861),

Gene: Stoor_43 Start: 30807, Stop: 32681, Start Num: 171

Candidate Starts for Stoor_43:

(Start: 171 @30807 has 61 MA's), (Start: 219 @30876 has 1 MA's), (227, 30897), (328, 31143), (333, 31158), (341, 31185), (440, 31371), (450, 31398), (458, 31413), (489, 31479), (594, 31713), (634, 31833), (635, 31836), (649, 31896), (650, 31902), (667, 31947), (674, 31962), (675, 31977), (683, 32013), (692, 32049), (726, 32142), (758, 32235), (793, 32313), (795, 32316), (828, 32385), (832, 32409), (836, 32424), (855, 32466), (858, 32484), (874, 32544), (884, 32565),

Gene: Stormbreaker8_38 Start: 29054, Stop: 27189, Start Num: 211

Candidate Starts for Stormbreaker8_38:

(Start: 211 @29054 has 115 MA's), (Start: 215 @29045 has 5 MA's), (330, 28781), (335, 28766), (338, 28760), (384, 28628), (406, 28574), (410, 28562), (434, 28487), (437, 28478), (440, 28466), (450, 28439), (451, 28436), (458, 28421), (461, 28415), (468, 28403), (496, 28334), (630, 28085), (685, 27872), (688, 27863), (689, 27860), (692, 27842), (707, 27800), (735, 27713), (787, 27554), (802, 27524), (829, 27455), (833, 27431), (846, 27392), (857, 27359), (858, 27347),

Gene: Strathdee_39 Start: 28935, Stop: 27070, Start Num: 211

Candidate Starts for Strathdee_39:

(Start: 140 @29022 has 3 MA's), (Start: 142 @29019 has 1 MA's), (Start: 211 @28935 has 115 MA's), (Start: 215 @28926 has 5 MA's), (255, 28821), (259, 28812), (275, 28782), (276, 28779), (332, 28659), (335, 28647), (338, 28641), (374, 28536), (384, 28509), (434, 28368), (435, 28362), (437, 28359), (440, 28347), (450, 28320), (451, 28317), (458, 28302), (461, 28296), (466, 28290), (481, 28257), (561, 28128), (584, 28068), (622, 27993), (685, 27753), (688, 27744), (689, 27741), (692, 27723), (707, 27681), (709, 27675), (712, 27666), (718, 27651), (735, 27594), (787, 27435), (802, 27405), (804, 27396), (829, 27336), (833, 27312), (846, 27273), (857, 27240), (858, 27228), (874, 27168),

Gene: Stromboli_43 Start: 30669, Stop: 32543, Start Num: 171

Candidate Starts for Stromboli_43:

(Start: 171 @30669 has 61 MA's), (Start: 219 @30738 has 1 MA's), (227, 30759), (328, 31005), (333, 31020), (341, 31047), (450, 31260), (458, 31275), (489, 31341), (594, 31575), (634, 31695), (635, 31698), (649, 31758), (650, 31764), (667, 31809), (674, 31824), (675, 31839), (683, 31875), (692, 31911), (726, 32004), (758, 32097), (793, 32175), (795, 32178), (828, 32247), (832, 32271), (836, 32286), (855, 32328), (858, 32346), (874, 32406), (884, 32427),

Gene: StrongArm_44 Start: 35747, Stop: 33960, Start Num: 181

Candidate Starts for StrongArm_44:

(Start: 181 @35747 has 918 MA's), (277, 35534), (302, 35471), (311, 35441), (318, 35420), (323, 35414), (328, 35405), (369, 35288), (378, 35261), (438, 35168), (443, 35153), (458, 35120), (483, 35069), (484, 35066), (514, 35000), (530, 34970), (542, 34940), (562, 34895), (583, 34856), (649, 34676), (665, 34628), (677, 34589), (692, 34523), (725, 34451), (728, 34442), (757, 34358), (796, 34271), (846, 34145), (853, 34133), (868, 34073), (874, 34049), (878, 34043),

Gene: Strosahl_47 Start: 29659, Stop: 27869, Start Num: 181

Candidate Starts for Strosahl_47:

(Start: 181 @29659 has 918 MA's), (261, 29485), (302, 29380), (303, 29377), (311, 29350), (323, 29323), (341, 29272), (378, 29170), (438, 29077), (455, 29032), (458, 29029), (466, 29020), (539, 28858), (549, 28831), (560, 28810), (562, 28804), (619, 28705), (628, 28666), (644, 28615), (649, 28585), (667, 28534), (676, 28501), (685, 28462), (692, 28432), (722, 28372), (728, 28351), (739, 28309), (751, 28282), (796, 28180), (828, 28117), (829, 28114), (874, 27958), (880, 27946), (885, 27934),

Gene: Studio_42 Start: 30023, Stop: 28233, Start Num: 167

Candidate Starts for Studio_42:

(129, 30083), (Start: 158 @30038 has 13 MA's), (167, 30023), (Start: 174 @30014 has 2 MA's), (204, 29969), (Start: 232 @29891 has 11 MA's), (252, 29843), (312, 29705), (335, 29651), (371, 29570), (373, 29564), (381, 29540), (438, 29471), (476, 29390), (489, 29363), (494, 29348), (525, 29285), (550, 29228), (565, 29198), (583, 29162), (586, 29150), (603, 29126), (631, 29063), (646, 29012), (650, 28985), (677, 28904), (681, 28889), (686, 28865), (692, 28838), (706, 28799), (730, 28724), (754, 28655), (767, 28613), (769, 28607), (782, 28586), (807, 28532), (815, 28517), (824, 28490), (833, 28451), (855, 28394), (859, 28373), (860, 28370), (863, 28358), (864, 28352), (869, 28337),

Gene: Stuu_38 Start: 27699, Stop: 29681, Start Num: 181

Candidate Starts for Stuu_38:

(Start: 181 @27699 has 918 MA's), (261, 27873), (273, 27903), (293, 27936), (303, 27969), (332, 28044), (340, 28071), (377, 28173), (420, 28272), (489, 28446), (499, 28473), (560, 28602), (619, 28740), (643, 28827), (649, 28860), (660, 28890), (677, 28947), (692, 29013), (726, 29106), (832, 29373), (839, 29397), (874, 29508), (919, 29616),

Gene: SuMoo_50 Start: 32117, Stop: 33982, Start Num: 180

Candidate Starts for SuMoo_50:

(Start: 180 @32117 has 21 MA's), (345, 32504), (455, 32750), (489, 32819), (560, 32972), (588, 33035), (628, 33149), (649, 33230), (672, 33293), (683, 33347), (693, 33386), (758, 33569), (796, 33653), (857, 33806), (874, 33878), (888, 33908),

Gene: Subaru_40 Start: 30351, Stop: 32216, Start Num: 181

Candidate Starts for Subaru_40:

(Start: 181 @30351 has 918 MA's), (213, 30399), (290, 30582), (293, 30588), (311, 30648), (318, 30669), (345, 30738), (443, 30954), (484, 31044), (489, 31053), (494, 31068), (516, 31113), (560, 31206), (619, 31344), (649, 31464), (660, 31494), (677, 31551), (690, 31608), (692, 31617), (703, 31641), (726, 31710), (750, 31782), (754, 31791), (799, 31890), (828, 31953), (874, 32112), (879, 32121),

Gene: Success_19 Start: 11835, Stop: 10045, Start Num: 181

Candidate Starts for Success_19:

(Start: 181 @11835 has 918 MA's), (273, 11634), (277, 11625), (311, 11532), (323, 11505), (332, 11484), (341, 11454), (346, 11439), (378, 11352), (433, 11274), (438, 11259), (489, 11142), (560, 10989), (583, 10944), (587, 10929), (649, 10773), (671, 10710), (674, 10704), (682, 10659), (683, 10653), (692, 10617), (728, 10536), (740, 10491), (853, 10227), (868, 10167), (874, 10143), (900, 10074), (902, 10071),

Gene: Sue2_42 Start: 30222, Stop: 32132, Start Num: 181

Candidate Starts for Sue2_42:

(92, 30078), (120, 30132), (Start: 181 @30222 has 918 MA's), (213, 30270), (290, 30453), (293, 30459), (311, 30519), (345, 30609), (440, 30861), (443, 30870), (484, 30960), (489, 30969), (499, 30996), (516, 31029), (560, 31122), (586, 31179), (619, 31260), (649, 31380), (660, 31410), (674, 31446), (677, 31467), (685, 31503), (692, 31533), (726, 31626), (799, 31806), (813, 31827), (832,

31893), (874, 32028),

Gene: Sultana_45 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for Sultana_45:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: SummitAcademy_44 Start: 33992, Stop: 31611, Start Num: 27

Candidate Starts for SummitAcademy_44:

(Start: 27 @33992 has 14 MA's), (36, 33932), (46, 33890), (52, 33851), (73, 33731), (80, 33710), (97, 33686), (136, 33608), (Start: 140 @33602 has 3 MA's), (Start: 142 @33599 has 1 MA's), (165, 33569), (196, 33521), (214, 33494), (Start: 215 @33491 has 5 MA's), (238, 33434), (255, 33395), (265, 33374), (287, 33332), (296, 33308), (299, 33299), (300, 33293), (302, 33287), (312, 33254), (329, 33233), (335, 33212), (404, 33029), (427, 32954), (440, 32912), (496, 32825), (542, 32801), (552, 32777), (556, 32768), (566, 32747), (596, 32696), (598, 32693), (606, 32678), (617, 32657), (649, 32531), (656, 32483), (659, 32474), (672, 32432), (692, 32339), (705, 32303), (707, 32297), (709, 32291), (711, 32285), (729, 32228), (735, 32204), (766, 32099), (767, 32096), (806, 32003), (817, 31985), (829, 31946), (838, 31904), (848, 31880), (857, 31850), (868, 31802), (874, 31778), (889, 31733), (909, 31667), (922, 31646), (925, 31640), (928, 31634),

Gene: Sumter_42 Start: 34474, Stop: 32645, Start Num: 181

Candidate Starts for Sumter_42:

(Start: 181 @34474 has 918 MA's), (277, 34261), (285, 34246), (311, 34168), (318, 34147), (323, 34141), (328, 34132), (369, 34015), (378, 33988), (438, 33895), (443, 33880), (458, 33847), (483, 33796), (484, 33793), (506, 33739), (514, 33727), (530, 33697), (542, 33667), (562, 33622), (583, 33583), (649, 33403), (665, 33355), (680, 33307), (689, 33268), (692, 33250), (706, 33211), (722, 33190), (728, 33169), (732, 33154), (779, 33031), (853, 32860), (858, 32836), (871, 32788), (874, 32776), (884, 32755), (887, 32749), (903, 32701), (908, 32686),

Gene: Sunhee_47 Start: 31200, Stop: 29407, Start Num: 181

Candidate Starts for Sunhee_47:

(Start: 181 @31200 has 918 MA's), (187, 31191), (214, 31149), (261, 31026), (277, 30987), (282, 30978), (303, 30918), (323, 30864), (370, 30735), (378, 30711), (438, 30618), (455, 30573), (514, 30450), (616, 30252), (649, 30123), (685, 30000), (692, 29970), (722, 29910), (728, 29889), (731, 29877), (767, 29772), (779, 29751), (828, 29655), (855, 29574), (859, 29553), (862, 29544), (874, 29496), (880, 29484), (884, 29475),

Gene: SunnyD_42 Start: 28854, Stop: 30725, Start Num: 181

Candidate Starts for SunnyD_42:

(Start: 181 @28854 has 918 MA's), (Start: 219 @28923 has 1 MA's), (227, 28944), (328, 29187), (332, 29199), (335, 29211), (338, 29217), (366, 29283), (468, 29478), (489, 29526), (613, 29805), (649, 29943), (691, 30090), (692, 30096), (726, 30189), (745, 30249), (793, 30360), (796, 30366), (839, 30480), (854, 30510), (855, 30513), (874, 30591), (879, 30600),

Gene: Sunshine924_45 Start: 34152, Stop: 32323, Start Num: 181

Candidate Starts for Sunshine924_45:

(Start: 181 @34152 has 918 MA's), (277, 33939), (302, 33876), (311, 33846), (318, 33825), (323, 33819), (328, 33810), (369, 33693), (378, 33666), (438, 33573), (443, 33558), (483, 33474), (484, 33471), (514, 33405), (530, 33375), (542, 33345), (562, 33300), (583, 33261), (649, 33081), (665, 33033), (680, 32985), (689, 32946), (692, 32928), (706, 32889), (722, 32868), (728, 32847), (732,

32832), (779, 32709), (853, 32538), (858, 32514), (871, 32466), (874, 32454), (884, 32433), (887, 32427), (903, 32379), (908, 32364),

Gene: SuperAwesome_45 Start: 29638, Stop: 27797, Start Num: 181

Candidate Starts for SuperAwesome_45:

(Start: 181 @29638 has 918 MA's), (273, 29434), (302, 29359), (303, 29356), (311, 29329), (316, 29314), (323, 29302), (341, 29251), (374, 29161), (378, 29149), (438, 29056), (453, 29017), (466, 28999), (472, 28984), (499, 28918), (516, 28885), (517, 28882), (564, 28780), (595, 28720), (628, 28636), (649, 28555), (676, 28471), (677, 28468), (680, 28459), (685, 28432), (692, 28402), (722, 28342), (733, 28303), (828, 28087), (829, 28084), (832, 28063), (874, 27928), (880, 27916), (884, 27907), (885, 27904), (923, 27811),

Gene: SuperCallie99_45 Start: 29637, Stop: 27796, Start Num: 181

Candidate Starts for SuperCallie99_45:

(Start: 181 @29637 has 918 MA's), (273, 29433), (302, 29358), (303, 29355), (311, 29328), (316, 29313), (323, 29301), (341, 29250), (374, 29160), (378, 29148), (438, 29055), (453, 29016), (466, 28998), (472, 28983), (499, 28917), (516, 28884), (517, 28881), (564, 28779), (595, 28719), (628, 28635), (649, 28554), (676, 28470), (677, 28467), (680, 28458), (685, 28431), (692, 28401), (722, 28341), (733, 28302), (828, 28086), (829, 28083), (832, 28062), (874, 27927), (880, 27915), (884, 27906), (885, 27903), (923, 27810),

Gene: SuperHands_48 Start: 32961, Stop: 34826, Start Num: 180

Candidate Starts for SuperHands_48:

(Start: 102 @32835 has 1 MA's), (138, 32904), (150, 32922), (Start: 180 @32961 has 21 MA's), (311, 33258), (366, 33402), (440, 33555), (489, 33663), (555, 33810), (560, 33816), (588, 33879), (628, 33993), (649, 34074), (672, 34137), (683, 34191), (685, 34197), (741, 34374), (750, 34392), (754, 34401), (758, 34413), (796, 34497), (837, 34605), (857, 34650), (874, 34722), (905, 34800), (920, 34821),

Gene: Superchunk_44 Start: 30012, Stop: 28183, Start Num: 181

Candidate Starts for Superchunk_44:

(Start: 181 @30012 has 918 MA's), (273, 29808), (277, 29799), (291, 29769), (302, 29736), (303, 29733), (311, 29706), (323, 29679), (332, 29658), (378, 29526), (438, 29433), (458, 29385), (499, 29295), (524, 29247), (560, 29166), (649, 28941), (677, 28854), (685, 28818), (692, 28788), (706, 28749), (722, 28728), (728, 28707), (733, 28689), (767, 28590), (782, 28563), (801, 28527), (816, 28509), (828, 28473), (874, 28314), (880, 28302), (884, 28293), (900, 28245), (914, 28215),

Gene: Superfresh_39 Start: 28922, Stop: 27057, Start Num: 211

Candidate Starts for Superfresh_39:

(Start: 140 @29009 has 3 MA's), (Start: 211 @28922 has 115 MA's), (Start: 215 @28913 has 5 MA's), (255, 28808), (259, 28799), (275, 28769), (276, 28766), (332, 28646), (335, 28634), (338, 28628), (374, 28523), (384, 28496), (434, 28355), (435, 28349), (437, 28346), (440, 28334), (450, 28307), (451, 28304), (458, 28289), (461, 28283), (466, 28277), (481, 28244), (561, 28115), (584, 28055), (685, 27740), (688, 27731), (689, 27728), (692, 27710), (707, 27668), (709, 27662), (718, 27638), (735, 27581), (787, 27422), (802, 27392), (804, 27383), (829, 27323), (833, 27299), (846, 27260), (857, 27227), (858, 27215), (874, 27155),

Gene: Survivors_40 Start: 31946, Stop: 29589, Start Num: 26

Candidate Starts for Survivors_40:

(24, 31955), (Start: 26 @31946 has 25 MA's), (31, 31931), (34, 31895), (58, 31760), (73, 31697), (99, 31643), (161, 31541), (165, 31538), (214, 31463), (238, 31403), (263, 31352), (284, 31310), (296, 31280), (312, 31226), (329, 31205), (335, 31184), (357, 31121), (407, 30986), (412, 30971), (421, 30944), (427, 30926), (456, 30842), (492, 30806), (570, 30713), (590, 30671), (596, 30668), (598,

30665), (614, 30641), (618, 30629), (621, 30617), (653, 30476), (659, 30449), (692, 30314), (705, 30278), (707, 30272), (709, 30266), (711, 30260), (718, 30236), (729, 30203), (735, 30179), (745, 30134), (748, 30128), (768, 30068), (817, 29960), (834, 29894), (835, 29891), (838, 29879), (848, 29855), (868, 29777), (874, 29753), (896, 29684),

Gene: Swann_36 Start: 28113, Stop: 26329, Start Num: 181

Candidate Starts for Swann_36:

(Start: 181 @28113 has 918 MA's), (288, 27879), (299, 27849), (301, 27840), (302, 27837), (316, 27792), (323, 27780), (341, 27729), (378, 27627), (391, 27606), (438, 27534), (455, 27489), (458, 27486), (480, 27444), (482, 27438), (489, 27423), (499, 27396), (549, 27291), (553, 27282), (562, 27264), (564, 27261), (583, 27225), (618, 27168), (649, 27045), (665, 26997), (692, 26892), (693, 26889), (722, 26832), (728, 26811), (741, 26763), (769, 26688), (813, 26619), (828, 26577), (832, 26553), (859, 26475), (874, 26418), (880, 26406), (884, 26397), (894, 26367), (900, 26349),

Gene: SweatNTears_44 Start: 32451, Stop: 30061, Start Num: 20

Candidate Starts for SweatNTears_44:

(Start: 20 @32451 has 19 MA's), (36, 32388), (41, 32370), (43, 32355), (52, 32301), (53, 32289), (55, 32268), (64, 32235), (69, 32208), (73, 32184), (90, 32157), (Start: 142 @32052 has 1 MA's), (176, 32004), (238, 31887), (274, 31806), (288, 31779), (296, 31758), (312, 31704), (313, 31701), (329, 31683), (335, 31662), (355, 31602), (427, 31404), (440, 31362), (496, 31275), (519, 31251), (542, 31245), (566, 31191), (570, 31185), (590, 31143), (596, 31140), (598, 31137), (648, 30990), (653, 30948), (659, 30921), (672, 30879), (692, 30786), (705, 30750), (707, 30744), (709, 30738), (711, 30732), (718, 30708), (729, 30675), (735, 30651), (745, 30606), (766, 30546), (829, 30393), (874, 30225), (889, 30180), (891, 30171), (894, 30162),

Gene: SweetiePie_44 Start: 31345, Stop: 29558, Start Num: 181

Candidate Starts for SweetiePie_44:

(Start: 181 @31345 has 918 MA's), (273, 31141), (275, 31138), (277, 31132), (286, 31117), (291, 31102), (302, 31069), (303, 31066), (311, 31039), (323, 31012), (332, 30991), (341, 30961), (378, 30859), (438, 30766), (458, 30718), (466, 30709), (472, 30694), (499, 30628), (539, 30547), (560, 30499), (562, 30493), (595, 30430), (628, 30355), (649, 30274), (667, 30223), (676, 30190), (677, 30187), (692, 30121), (706, 30082), (722, 30061), (745, 29986), (753, 29968), (767, 29923), (782, 29896), (801, 29860), (813, 29848), (816, 29842), (828, 29806), (832, 29782), (859, 29704), (874, 29647), (880, 29635), (884, 29626),

Gene: Swervy_43 Start: 29550, Stop: 31424, Start Num: 171

Candidate Starts for Swervy_43:

(Start: 168 @29547 has 7 MA's), (Start: 171 @29550 has 61 MA's), (Start: 219 @29619 has 1 MA's), (227, 29640), (273, 29757), (302, 29820), (328, 29886), (341, 29928), (489, 30222), (549, 30357), (594, 30456), (635, 30579), (649, 30639), (650, 30645), (667, 30690), (675, 30720), (683, 30756), (692, 30792), (726, 30885), (758, 30978), (793, 31056), (828, 31128), (836, 31167), (855, 31209), (858, 31227), (874, 31287), (884, 31308),

Gene: SwirlSquare_48 Start: 30249, Stop: 28459, Start Num: 181

Candidate Starts for SwirlSquare_48:

(Start: 181 @30249 has 918 MA's), (273, 30045), (282, 30027), (296, 29991), (302, 29970), (303, 29967), (311, 29940), (315, 29928), (323, 29913), (332, 29892), (378, 29760), (438, 29667), (458, 29619), (499, 29529), (560, 29400), (649, 29175), (677, 29088), (685, 29052), (692, 29022), (706, 28983), (722, 28962), (728, 28941), (733, 28923), (767, 28824), (782, 28797), (801, 28761), (816, 28743), (828, 28707), (832, 28683), (874, 28548), (880, 28536), (884, 28527),

Gene: Swirley_41 Start: 30927, Stop: 29062, Start Num: 181

Candidate Starts for Swirley_41:

(Start: 181 @30927 has 918 MA's), (214, 30876), (236, 30816), (261, 30753), (273, 30723), (275, 30720), (299, 30663), (302, 30651), (311, 30621), (323, 30594), (378, 30441), (438, 30345), (458, 30297), (497, 30213), (499, 30207), (537, 30135), (549, 30102), (555, 30087), (562, 30075), (614, 29976), (649, 29841), (660, 29811), (665, 29793), (674, 29775), (677, 29754), (680, 29745), (692, 29688), (706, 29649), (728, 29607), (733, 29589), (750, 29541), (767, 29490), (796, 29436), (801, 29427), (816, 29409), (832, 29349), (837, 29331), (868, 29238), (874, 29214), (880, 29202), (923, 29097),

Gene: SwissCheese_46 Start: 34979, Stop: 33153, Start Num: 181

Candidate Starts for SwissCheese_46:

(Start: 181 @34979 has 918 MA's), (277, 34766), (285, 34751), (311, 34673), (318, 34652), (323, 34646), (328, 34637), (369, 34520), (378, 34493), (438, 34400), (443, 34385), (451, 34364), (458, 34352), (483, 34301), (484, 34298), (514, 34232), (530, 34202), (542, 34172), (562, 34127), (583, 34088), (649, 33908), (665, 33860), (677, 33821), (692, 33755), (706, 33716), (722, 33695), (728, 33674), (733, 33656), (757, 33590), (828, 33440), (829, 33437), (836, 33401), (846, 33377), (852, 33368), (856, 33356), (874, 33281), (884, 33260),

Gene: Switzer_45 Start: 34442, Stop: 32616, Start Num: 181

Candidate Starts for Switzer_45:

(Start: 181 @34442 has 918 MA's), (277, 34229), (302, 34166), (311, 34136), (318, 34115), (323, 34109), (328, 34100), (369, 33983), (378, 33956), (438, 33863), (443, 33848), (483, 33764), (484, 33761), (514, 33695), (530, 33665), (542, 33635), (562, 33590), (583, 33551), (649, 33371), (665, 33323), (677, 33284), (692, 33218), (706, 33179), (722, 33158), (728, 33137), (733, 33119), (757, 33053), (828, 32903), (829, 32900), (836, 32864), (852, 32831), (856, 32819), (862, 32792), (874, 32744), (884, 32723),

Gene: Switzerland_47 Start: 30042, Stop: 28252, Start Num: 181

Candidate Starts for Switzerland_47:

(Start: 181 @30042 has 918 MA's), (261, 29868), (302, 29763), (303, 29760), (311, 29733), (323, 29706), (341, 29655), (378, 29553), (438, 29460), (455, 29415), (458, 29412), (466, 29403), (539, 29241), (549, 29214), (560, 29193), (562, 29187), (619, 29088), (628, 29049), (644, 28998), (649, 28968), (667, 28917), (676, 28884), (683, 28851), (685, 28845), (692, 28815), (722, 28755), (728, 28734), (739, 28692), (751, 28665), (757, 28650), (796, 28563), (828, 28500), (829, 28497), (874, 28341), (880, 28329), (885, 28317),

Gene: Swole_45 Start: 34149, Stop: 32320, Start Num: 181

Candidate Starts for Swole_45:

(Start: 181 @34149 has 918 MA's), (277, 33936), (285, 33921), (302, 33873), (311, 33843), (318, 33822), (323, 33816), (328, 33807), (369, 33690), (378, 33663), (438, 33570), (443, 33555), (451, 33534), (483, 33471), (484, 33468), (514, 33402), (530, 33372), (542, 33342), (562, 33297), (583, 33258), (649, 33078), (665, 33030), (680, 32982), (689, 32943), (692, 32925), (706, 32886), (722, 32865), (728, 32844), (732, 32829), (779, 32706), (853, 32535), (858, 32511), (871, 32463), (874, 32451), (884, 32430), (887, 32424), (903, 32376), (908, 32361),

Gene: SydNat_40 Start: 31117, Stop: 29252, Start Num: 181

Candidate Starts for SydNat_40:

(Start: 181 @31117 has 918 MA's), (214, 31066), (236, 31006), (261, 30943), (273, 30913), (275, 30910), (299, 30853), (311, 30811), (323, 30784), (378, 30631), (438, 30535), (450, 30502), (458, 30487), (497, 30403), (499, 30397), (516, 30364), (555, 30277), (562, 30265), (583, 30226), (614, 30166), (649, 30031), (660, 30001), (665, 29983), (676, 29947), (677, 29944), (692, 29878), (706, 29839), (728, 29797), (733, 29779), (750, 29731), (753, 29725), (767, 29680), (796, 29626), (801, 29617), (816, 29599), (837, 29521), (858, 29464), (868, 29428), (874, 29404), (880, 29392), (933, 29260),

Gene: Symere_38 Start: 28615, Stop: 26750, Start Num: 211

Candidate Starts for Symere_38:

(Start: 140 @28702 has 3 MA's), (Start: 142 @28699 has 1 MA's), (Start: 211 @28615 has 115 MA's), (Start: 215 @28606 has 5 MA's), (255, 28501), (259, 28492), (275, 28462), (276, 28459), (332, 28339), (335, 28327), (338, 28321), (374, 28216), (384, 28189), (434, 28048), (435, 28042), (437, 28039), (440, 28027), (450, 28000), (451, 27997), (458, 27982), (461, 27976), (466, 27970), (481, 27937), (561, 27808), (584, 27748), (685, 27433), (688, 27424), (689, 27421), (692, 27403), (707, 27361), (709, 27355), (712, 27346), (718, 27331), (735, 27274), (787, 27115), (802, 27085), (804, 27076), (829, 27016), (833, 26992), (846, 26953), (857, 26920), (858, 26908), (874, 26848),

Gene: TG1_31 Start: 25848, Stop: 27695, Start Num: 181

Candidate Starts for TG1_31:

(Start: 126 @25767 has 1 MA's), (136, 25788), (146, 25803), (155, 25821), (Start: 181 @25848 has 918 MA's), (Start: 209 @25890 has 41 MA's), (224, 25929), (233, 25953), (273, 26049), (295, 26097), (310, 26148), (318, 26172), (380, 26337), (440, 26427), (441, 26430), (466, 26484), (472, 26499), (483, 26526), (489, 26538), (494, 26553), (512, 26592), (555, 26685), (560, 26691), (586, 26748), (587, 26751), (643, 26916), (649, 26949), (665, 26997), (672, 27012), (683, 27066), (685, 27072), (690, 27093), (692, 27102), (697, 27117), (705, 27147), (733, 27228), (737, 27243), (795, 27378), (799, 27384), (801, 27390), (820, 27426), (836, 27486), (839, 27495), (846, 27510), (853, 27522), (855, 27528), (862, 27558), (874, 27606), (878, 27612), (884, 27627), (887, 27633),

Gene: TMaxx_43 Start: 29595, Stop: 27817, Start Num: 172

Candidate Starts for TMaxx_43:

(94, 29724), (Start: 172 @29595 has 3 MA's), (220, 29517), (Start: 232 @29475 has 11 MA's), (252, 29427), (302, 29322), (335, 29235), (341, 29217), (371, 29154), (373, 29148), (381, 29124), (438, 29055), (476, 28974), (489, 28947), (494, 28932), (525, 28869), (550, 28812), (565, 28782), (583, 28746), (586, 28734), (603, 28710), (642, 28617), (646, 28596), (649, 28575), (650, 28569), (681, 28473), (686, 28449), (692, 28422), (706, 28383), (739, 28272), (748, 28254), (754, 28239), (767, 28197), (769, 28191), (782, 28170), (807, 28116), (815, 28101), (833, 28035), (837, 28020), (844, 28005), (853, 27984), (855, 27978), (859, 27957), (860, 27954), (864, 27936), (869, 27921), (899, 27828),

Gene: TNguyen7_46 Start: 31522, Stop: 29684, Start Num: 181

Candidate Starts for TNguyen7_46:

(Start: 181 @31522 has 918 MA's), (214, 31471), (238, 31405), (273, 31318), (299, 31258), (302, 31246), (323, 31189), (328, 31180), (370, 31060), (378, 31036), (438, 30940), (460, 30892), (489, 30832), (517, 30769), (549, 30700), (560, 30679), (596, 30607), (618, 30565), (628, 30523), (649, 30442), (665, 30394), (685, 30319), (692, 30289), (704, 30259), (729, 30178), (739, 30139), (750, 30115), (757, 30097), (816, 29968), (832, 29908), (874, 29773), (880, 29761), (884, 29752),

Gene: TP1604_48 Start: 39372, Stop: 37372, Start Num: 232

Candidate Starts for TP1604_48:

(Start: 232 @39372 has 11 MA's), (261, 39303), (310, 39171), (312, 39165), (314, 39159), (332, 39111), (335, 39099), (338, 39093), (344, 39072), (349, 39057), (375, 38988), (413, 38847), (447, 38751), (484, 38664), (494, 38640), (499, 38628), (502, 38616), (539, 38547), (592, 38400), (632, 38295), (638, 38280), (650, 38223), (658, 38202), (672, 38160), (678, 38130), (685, 38097), (696, 38043), (703, 38013), (719, 37944), (722, 37923), (739, 37860), (748, 37842), (753, 37830), (761, 37806), (832, 37605), (833, 37602), (856, 37548), (859, 37530), (868, 37497), (874, 37473), (893, 37425),

Gene: TWAMP_36 Start: 28113, Stop: 26329, Start Num: 181

Candidate Starts for TWAMP_36:

(Start: 181 @28113 has 918 MA's), (288, 27879), (299, 27849), (301, 27840), (302, 27837), (316, 27792), (323, 27780), (341, 27729), (378, 27627), (391, 27606), (438, 27534), (455, 27489), (458, 27486), (480, 27444), (482, 27438), (489, 27423), (499, 27396), (549, 27291), (553, 27282), (562, 27264), (564, 27261), (583, 27225), (649, 27045), (665, 26997), (692, 26892), (693, 26889), (722, 26832), (728, 26811), (741, 26763), (769, 26688), (813, 26619), (828, 26577), (832, 26553), (859, 26475), (874, 26418), (880, 26406), (884, 26397), (894, 26367), (900, 26349),

Gene: Tailonex_28 Start: 26933, Stop: 25119, Start Num: 181

Candidate Starts for Tailonex_28:

(Start: 181 @26933 has 918 MA's), (292, 26687), (341, 26555), (378, 26453), (393, 26426), (438, 26360), (442, 26348), (451, 26324), (455, 26315), (506, 26204), (616, 25997), (628, 25949), (649, 25868), (665, 25820), (678, 25778), (689, 25733), (692, 25715), (706, 25676), (722, 25655), (729, 25631), (757, 25550), (828, 25400), (874, 25241), (882, 25226),

Gene: Takoda_36 Start: 28086, Stop: 26302, Start Num: 181

Candidate Starts for Takoda_36:

(Start: 181 @28086 has 918 MA's), (259, 27915), (291, 27843), (301, 27813), (302, 27810), (316, 27765), (323, 27753), (328, 27744), (341, 27702), (378, 27600), (391, 27579), (419, 27549), (438, 27507), (458, 27459), (489, 27396), (499, 27369), (549, 27264), (553, 27255), (562, 27237), (583, 27198), (649, 27018), (665, 26970), (692, 26865), (693, 26862), (722, 26805), (728, 26784), (741, 26736), (769, 26661), (813, 26592), (828, 26550), (832, 26526), (859, 26448), (874, 26391), (880, 26379), (894, 26340), (900, 26322),

Gene: Talia1610_99 Start: 77815, Stop: 79611, Start Num: 190

Candidate Starts for Talia1610_99:

(Start: 190 @77815 has 7 MA's), (236, 77911), (326, 78127), (335, 78154), (338, 78160), (369, 78229), (381, 78265), (476, 78412), (479, 78418), (489, 78439), (494, 78454), (583, 78643), (608, 78688), (620, 78721), (624, 78739), (634, 78772), (646, 78811), (649, 78832), (650, 78838), (683, 78952), (705, 79036), (707, 79042), (711, 79054), (726, 79102), (730, 79114), (739, 79150), (754, 79183), (757, 79192), (774, 79237), (783, 79255), (828, 79360), (833, 79387), (837, 79402), (853, 79435), (858, 79459), (864, 79483), (874, 79519), (884, 79546),

Gene: Tallboi_40 Start: 30542, Stop: 32407, Start Num: 181

Candidate Starts for Tallboi_40:

(Start: 181 @30542 has 918 MA's), (213, 30590), (261, 30716), (311, 30839), (345, 30929), (440, 31136), (443, 31145), (489, 31244), (494, 31259), (499, 31271), (560, 31397), (619, 31535), (649, 31655), (660, 31685), (677, 31742), (692, 31808), (726, 31901), (750, 31973), (799, 32081), (828, 32144), (874, 32303), (879, 32312),

Gene: Talos_142 Start: 74147, Stop: 76183, Start Num: 198

Candidate Starts for Talos_142:

(Start: 198 @74147 has 6 MA's), (228, 74213), (234, 74237), (249, 74288), (255, 74303), (268, 74336), (299, 74405), (338, 74540), (349, 74576), (397, 74696), (430, 74750), (431, 74753), (450, 74804), (455, 74816), (489, 74885), (497, 74906), (523, 74954), (651, 75341), (679, 75458), (682, 75476), (721, 75596), (724, 75608), (742, 75677), (748, 75686), (802, 75830), (808, 75845), (836, 75944), (857, 76019), (874, 76091), (892, 76136), (895, 76145), (897, 76151),

Gene: Taquarus_45 Start: 31573, Stop: 29747, Start Num: 181

Candidate Starts for Taquarus_45:

(Start: 181 @31573 has 918 MA's), (195, 31552), (214, 31522), (224, 31492), (291, 31330), (298, 31312), (323, 31240), (328, 31231), (370, 31111), (378, 31087), (438, 30994), (460, 30946), (472, 30925), (489, 30886), (549, 30754), (560, 30733), (583, 30688), (586, 30676), (646, 30523), (649, 30502), (685, 30379), (692, 30349), (706, 30310), (728, 30244), (729, 30241), (733, 30226), (739,

30202), (750, 30178), (832, 29971), (874, 29836), (880, 29824), (884, 29815),

Gene: Target_45 Start: 33552, Stop: 31723, Start Num: 181

Candidate Starts for Target_45:

(Start: 181 @33552 has 918 MA's), (277, 33339), (285, 33324), (302, 33276), (311, 33246), (318, 33225), (323, 33219), (328, 33210), (369, 33093), (378, 33066), (438, 32973), (443, 32958), (458, 32925), (483, 32874), (484, 32871), (514, 32805), (542, 32745), (562, 32700), (583, 32661), (649, 32481), (665, 32433), (680, 32385), (689, 32346), (692, 32328), (706, 32289), (722, 32268), (728, 32247), (732, 32232), (779, 32109), (853, 31938), (858, 31914), (871, 31866), (874, 31854), (884, 31833), (887, 31827), (903, 31779), (908, 31764),

Gene: TarsusIV_42 Start: 31027, Stop: 29240, Start Num: 180

Candidate Starts for TarsusIV_42:

(Start: 180 @31027 has 21 MA's), (277, 30814), (286, 30799), (291, 30784), (302, 30751), (303, 30748), (311, 30721), (323, 30694), (328, 30685), (378, 30541), (438, 30448), (451, 30412), (458, 30400), (466, 30391), (472, 30376), (539, 30229), (560, 30181), (562, 30175), (649, 29956), (667, 29905), (676, 29872), (677, 29869), (692, 29803), (706, 29764), (722, 29743), (745, 29668), (750, 29656), (767, 29605), (801, 29542), (828, 29488), (832, 29464), (855, 29407), (859, 29386), (874, 29329), (880, 29317), (884, 29308),

Gene: Tarynearal_37 Start: 30369, Stop: 28504, Start Num: 181

Candidate Starts for Tarynearal_37:

(Start: 181 @30369 has 918 MA's), (214, 30318), (236, 30258), (261, 30195), (273, 30165), (275, 30162), (299, 30105), (302, 30093), (311, 30063), (323, 30036), (378, 29883), (438, 29787), (458, 29739), (497, 29655), (499, 29649), (537, 29577), (549, 29544), (555, 29529), (562, 29517), (614, 29418), (649, 29283), (660, 29253), (665, 29235), (667, 29232), (677, 29196), (680, 29187), (683, 29166), (686, 29157), (692, 29130), (693, 29127), (722, 29070), (728, 29049), (767, 28932), (796, 28878), (801, 28869), (816, 28851), (832, 28791), (837, 28773), (858, 28716), (868, 28680), (874, 28656), (880, 28644),

Gene: Tasp14_46 Start: 35011, Stop: 33185, Start Num: 181

Candidate Starts for Tasp14_46:

(Start: 181 @35011 has 918 MA's), (277, 34798), (285, 34783), (311, 34705), (318, 34684), (323, 34678), (328, 34669), (369, 34552), (378, 34525), (438, 34432), (443, 34417), (483, 34333), (484, 34330), (514, 34264), (530, 34234), (542, 34204), (562, 34159), (583, 34120), (649, 33940), (665, 33892), (677, 33853), (692, 33787), (706, 33748), (722, 33727), (728, 33706), (733, 33688), (757, 33622), (828, 33472), (829, 33469), (836, 33433), (846, 33409), (852, 33400), (856, 33388), (874, 33313), (884, 33292),

Gene: TatarkaPM_39 Start: 29065, Stop: 27074, Start Num: 119

Candidate Starts for TatarkaPM_39:

(1, 29698), (38, 29395), (Start: 119 @29065 has 1 MA's), (138, 29029), (143, 29023), (Start: 211 @28939 has 115 MA's), (Start: 215 @28930 has 5 MA's), (255, 28825), (259, 28816), (275, 28786), (276, 28783), (332, 28663), (335, 28651), (338, 28645), (374, 28540), (384, 28513), (434, 28372), (435, 28366), (437, 28363), (440, 28351), (450, 28324), (451, 28321), (458, 28306), (461, 28300), (466, 28294), (481, 28261), (584, 28072), (685, 27757), (688, 27748), (689, 27745), (692, 27727), (707, 27685), (709, 27679), (712, 27670), (718, 27655), (735, 27598), (787, 27439), (802, 27409), (804, 27400), (829, 27340), (833, 27316), (846, 27277), (857, 27244), (858, 27232), (874, 27172),

Gene: Taurus_49 Start: 31852, Stop: 30038, Start Num: 181

Candidate Starts for Taurus_49:

(Start: 181 @31852 has 918 MA's), (206, 31813), (214, 31801), (273, 31648), (281, 31633), (302, 31576), (323, 31519), (328, 31510), (341, 31468), (360, 31417), (378, 31366), (438, 31273), (458,

31225), (466, 31216), (472, 31201), (489, 31162), (499, 31135), (514, 31105), (555, 31012), (584, 30952), (595, 30937), (649, 30781), (677, 30694), (692, 30628), (706, 30589), (729, 30517), (739, 30478), (750, 30454), (757, 30436), (767, 30403), (782, 30376), (816, 30322), (832, 30262), (859, 30184), (874, 30127), (880, 30115), (884, 30106),

Gene: Tbone_40 Start: 29503, Stop: 31368, Start Num: 181

Candidate Starts for Tbone_40:

(Start: 181 @29503 has 918 MA's), (213, 29551), (311, 29800), (345, 29890), (440, 30097), (443, 30106), (484, 30196), (489, 30205), (494, 30220), (516, 30265), (539, 30310), (560, 30358), (586, 30415), (619, 30496), (649, 30616), (660, 30646), (677, 30703), (692, 30769), (703, 30793), (726, 30862), (750, 30934), (754, 30943), (799, 31042), (828, 31105), (832, 31129), (874, 31264), (879, 31273),

Gene: Teagan_39 Start: 28930, Stop: 27065, Start Num: 211

Candidate Starts for Teagan_39:

(Start: 140 @29017 has 3 MA's), (Start: 142 @29014 has 1 MA's), (Start: 211 @28930 has 115 MA's), (Start: 215 @28921 has 5 MA's), (255, 28816), (259, 28807), (275, 28777), (276, 28774), (332, 28654), (335, 28642), (338, 28636), (374, 28531), (384, 28504), (434, 28363), (435, 28357), (437, 28354), (440, 28342), (450, 28315), (451, 28312), (458, 28297), (461, 28291), (466, 28285), (481, 28252), (584, 28063), (622, 27988), (685, 27748), (688, 27739), (689, 27736), (692, 27718), (707, 27676), (709, 27670), (712, 27661), (718, 27646), (735, 27589), (787, 27430), (802, 27400), (804, 27391), (829, 27331), (833, 27307), (846, 27268), (857, 27235), (858, 27223), (874, 27163),

Gene: Teagster_43 Start: 29747, Stop: 31618, Start Num: 181

Candidate Starts for Teagster_43:

(Start: 181 @29747 has 918 MA's), (195, 29768), (213, 29795), (Start: 219 @29816 has 1 MA's), (227, 29837), (328, 30080), (332, 30092), (335, 30104), (338, 30110), (366, 30176), (451, 30338), (468, 30371), (489, 30419), (613, 30698), (649, 30836), (691, 30983), (692, 30989), (726, 31082), (745, 31142), (793, 31253), (796, 31259), (839, 31373), (854, 31403), (855, 31406), (874, 31484), (879, 31493),

Gene: TeddyBear_38 Start: 28632, Stop: 26767, Start Num: 211

Candidate Starts for TeddyBear_38:

(Start: 140 @28719 has 3 MA's), (Start: 211 @28632 has 115 MA's), (Start: 215 @28623 has 5 MA's), (255, 28518), (259, 28509), (275, 28479), (276, 28476), (332, 28356), (335, 28344), (338, 28338), (374, 28233), (384, 28206), (434, 28065), (435, 28059), (437, 28056), (440, 28044), (450, 28017), (451, 28014), (458, 27999), (461, 27993), (466, 27987), (481, 27954), (561, 27825), (584, 27765), (685, 27450), (688, 27441), (689, 27438), (692, 27420), (707, 27378), (709, 27372), (718, 27348), (735, 27291), (787, 27132), (802, 27102), (804, 27093), (829, 27033), (833, 27009), (846, 26970), (857, 26937), (858, 26925), (874, 26865),

Gene: Temprado_46 Start: 29791, Stop: 27950, Start Num: 181

Candidate Starts for Temprado_46:

(Start: 181 @29791 has 918 MA's), (273, 29587), (302, 29512), (303, 29509), (311, 29482), (316, 29467), (323, 29455), (341, 29404), (374, 29314), (378, 29302), (438, 29209), (453, 29170), (466, 29152), (472, 29137), (499, 29071), (516, 29038), (517, 29035), (564, 28933), (595, 28873), (628, 28789), (649, 28708), (676, 28624), (677, 28621), (680, 28612), (685, 28585), (692, 28555), (722, 28495), (733, 28456), (828, 28240), (829, 28237), (832, 28216), (874, 28081), (880, 28069), (884, 28060), (885, 28057), (923, 27964),

Gene: Tenda_38 Start: 28630, Stop: 26765, Start Num: 211

Candidate Starts for Tenda_38:

(Start: 140 @28717 has 3 MA's), (Start: 142 @28714 has 1 MA's), (Start: 211 @28630 has 115 MA's), (Start: 215 @28621 has 5 MA's), (255, 28516), (259, 28507), (275, 28477), (276, 28474), (332, 28354), (335, 28342), (338, 28336), (374, 28231), (384, 28204), (434, 28063), (435, 28057), (437, 28054), (440, 28042), (450, 28015), (451, 28012), (458, 27997), (461, 27991), (466, 27985), (481, 27952), (561, 27823), (584, 27763), (685, 27448), (688, 27439), (689, 27436), (692, 27418), (707, 27376), (709, 27370), (712, 27361), (718, 27346), (735, 27289), (787, 27130), (802, 27100), (804, 27091), (829, 27031), (833, 27007), (846, 26968), (857, 26935), (858, 26923), (874, 26863),

Gene: Teodoridan_43 Start: 34199, Stop: 32412, Start Num: 181

Candidate Starts for Teodoridan_43:

(Start: 181 @34199 has 918 MA's), (277, 33986), (302, 33923), (311, 33893), (318, 33872), (323, 33866), (328, 33857), (369, 33740), (378, 33713), (438, 33620), (443, 33605), (451, 33584), (483, 33521), (484, 33518), (514, 33452), (530, 33422), (542, 33392), (562, 33347), (583, 33308), (649, 33128), (665, 33080), (677, 33041), (692, 32975), (725, 32903), (728, 32894), (757, 32810), (796, 32723), (846, 32597), (853, 32585), (874, 32501), (878, 32495),

Gene: Terrific_47 Start: 31714, Stop: 29927, Start Num: 181

Candidate Starts for Terrific_47:

(Start: 181 @31714 has 918 MA's), (273, 31510), (275, 31507), (277, 31501), (291, 31471), (302, 31438), (303, 31435), (311, 31408), (323, 31381), (341, 31330), (378, 31228), (438, 31135), (458, 31087), (466, 31078), (472, 31063), (499, 30997), (539, 30916), (560, 30868), (628, 30724), (649, 30643), (667, 30592), (676, 30559), (692, 30490), (706, 30451), (722, 30430), (725, 30418), (728, 30409), (731, 30397), (813, 30217), (816, 30211), (828, 30175), (832, 30151), (859, 30073), (874, 30016), (880, 30004),

Gene: Texage_43 Start: 31598, Stop: 29760, Start Num: 181

Candidate Starts for Texage_43:

(Start: 181 @31598 has 918 MA's), (214, 31547), (273, 31394), (302, 31322), (311, 31292), (323, 31265), (328, 31256), (378, 31112), (438, 31016), (460, 30968), (489, 30908), (531, 30821), (549, 30776), (560, 30755), (596, 30683), (618, 30641), (628, 30599), (649, 30518), (665, 30470), (677, 30431), (685, 30395), (692, 30365), (704, 30335), (729, 30254), (739, 30215), (750, 30191), (757, 30173), (758, 30170), (816, 30044), (832, 29984), (862, 29897), (874, 29849), (880, 29837), (884, 29828),

Gene: TforTroy_42 Start: 29677, Stop: 31542, Start Num: 181

Candidate Starts for TforTroy_42:

(Start: 181 @29677 has 918 MA's), (213, 29725), (318, 29995), (358, 30094), (443, 30280), (489, 30379), (494, 30394), (499, 30406), (560, 30532), (619, 30670), (649, 30790), (660, 30820), (677, 30877), (692, 30943), (726, 31036), (828, 31279), (874, 31438), (879, 31447),

Gene: Thanksgivukkah_44 Start: 31568, Stop: 29742, Start Num: 181

Candidate Starts for Thanksgivukkah_44:

(Start: 181 @31568 has 918 MA's), (195, 31547), (214, 31517), (224, 31487), (291, 31325), (298, 31307), (302, 31292), (323, 31235), (328, 31226), (370, 31106), (378, 31082), (438, 30989), (460, 30941), (472, 30920), (489, 30881), (549, 30749), (560, 30728), (583, 30683), (586, 30671), (646, 30518), (649, 30497), (685, 30374), (692, 30344), (706, 30305), (728, 30239), (729, 30236), (733, 30221), (739, 30197), (750, 30173), (832, 29966), (874, 29831), (880, 29819), (884, 29810),

Gene: Theia_36 Start: 30392, Stop: 28533, Start Num: 181

Candidate Starts for Theia_36:

(Start: 181 @30392 has 918 MA's), (214, 30341), (236, 30281), (261, 30218), (273, 30188), (275, 30185), (299, 30128), (311, 30086), (323, 30059), (378, 29906), (438, 29810), (458, 29762), (497, 29678), (499, 29672), (537, 29600), (549, 29567), (555, 29552), (562, 29540), (614, 29441), (649,

29306), (660, 29276), (665, 29258), (667, 29255), (677, 29219), (680, 29210), (683, 29189), (686, 29180), (692, 29153), (693, 29150), (722, 29093), (728, 29072), (767, 28955), (796, 28901), (801, 28892), (816, 28874), (837, 28796), (868, 28703), (874, 28679), (880, 28667), (930, 28550), (931, 28547),

Gene: TheloniousMonk_46 Start: 36133, Stop: 34346, Start Num: 181

Candidate Starts for TheloniousMonk_46:

(Start: 181 @36133 has 918 MA's), (277, 35920), (285, 35905), (311, 35827), (318, 35806), (323, 35800), (328, 35791), (369, 35674), (378, 35647), (438, 35554), (443, 35539), (458, 35506), (483, 35455), (484, 35452), (506, 35398), (514, 35386), (530, 35356), (542, 35326), (562, 35281), (583, 35242), (649, 35062), (665, 35014), (677, 34975), (692, 34909), (725, 34837), (728, 34828), (757, 34744), (796, 34657), (846, 34531), (853, 34519), (874, 34435), (878, 34429),

Gene: Thompsonsone_39 Start: 28937, Stop: 27072, Start Num: 211

Candidate Starts for Thompsonsone_39:

(Start: 140 @29024 has 3 MA's), (Start: 142 @29021 has 1 MA's), (Start: 211 @28937 has 115 MA's), (Start: 215 @28928 has 5 MA's), (255, 28823), (259, 28814), (275, 28784), (276, 28781), (330, 28664), (335, 28649), (338, 28643), (374, 28538), (384, 28511), (434, 28370), (437, 28361), (440, 28349), (450, 28322), (451, 28319), (458, 28304), (461, 28298), (466, 28292), (481, 28259), (561, 28130), (584, 28070), (622, 27995), (685, 27755), (688, 27746), (689, 27743), (692, 27725), (707, 27683), (709, 27677), (712, 27668), (718, 27653), (735, 27596), (787, 27437), (802, 27407), (804, 27398), (829, 27338), (833, 27314), (846, 27275), (857, 27242), (858, 27230), (874, 27170),

Gene: Thor_43 Start: 33796, Stop: 31970, Start Num: 181

Candidate Starts for Thor_43:

(Start: 181 @33796 has 918 MA's), (277, 33583), (285, 33568), (311, 33490), (318, 33469), (323, 33463), (328, 33454), (369, 33337), (378, 33310), (438, 33217), (443, 33202), (483, 33118), (484, 33115), (514, 33049), (530, 33019), (542, 32989), (562, 32944), (583, 32905), (649, 32725), (665, 32677), (677, 32638), (692, 32572), (706, 32533), (722, 32512), (728, 32491), (733, 32473), (757, 32407), (828, 32257), (829, 32254), (836, 32218), (852, 32185), (856, 32173), (867, 32125), (874, 32098), (884, 32077),

Gene: Thorongil_39 Start: 28937, Stop: 27072, Start Num: 211

Candidate Starts for Thorongil_39:

(Start: 140 @29024 has 3 MA's), (Start: 142 @29021 has 1 MA's), (Start: 211 @28937 has 115 MA's), (Start: 215 @28928 has 5 MA's), (255, 28823), (259, 28814), (275, 28784), (276, 28781), (332, 28661), (335, 28649), (338, 28643), (374, 28538), (384, 28511), (434, 28370), (435, 28364), (437, 28361), (440, 28349), (450, 28322), (451, 28319), (458, 28304), (461, 28298), (466, 28292), (481, 28259), (561, 28130), (584, 28070), (685, 27755), (688, 27746), (689, 27743), (692, 27725), (707, 27683), (709, 27677), (712, 27668), (718, 27653), (735, 27596), (787, 27437), (802, 27407), (804, 27398), (829, 27338), (833, 27314), (846, 27275), (857, 27242), (858, 27230), (874, 27170),

Gene: Thunderclap_54 Start: 36908, Stop: 34740, Start Num: 158

Candidate Starts for Thunderclap_54:

(155, 36911), (Start: 158 @36908 has 13 MA's), (195, 36854), (Start: 230 @36770 has 5 MA's), (289, 36617), (293, 36608), (306, 36563), (328, 36485), (330, 36476), (335, 36461), (341, 36446), (342, 36443), (362, 36386), (393, 36293), (401, 36251), (469, 36056), (473, 36044), (475, 36038), (486, 36014), (493, 35993), (501, 35972), (505, 35957), (509, 35951), (541, 35888), (562, 35837), (587, 35750), (616, 35690), (628, 35642), (652, 35540), (655, 35534), (669, 35507), (670, 35504), (676, 35483), (686, 35441), (688, 35435), (693, 35411), (707, 35369), (708, 35366), (716, 35339), (723, 35306), (727, 35294), (736, 35258), (745, 35234), (748, 35228), (750, 35222), (768, 35168), (792, 35120), (795, 35117), (820, 35057), (828, 35033), (834, 35003), (854, 34949), (871, 34880), (874, 34868), (885, 34829),

Gene: ThursdayNight_44 Start: 30483, Stop: 32327, Start Num: 181

Candidate Starts for ThursdayNight_44:

(Start: 181 @30483 has 918 MA's), (290, 30714), (302, 30750), (380, 30966), (440, 31056), (458, 31098), (487, 31158), (494, 31179), (496, 31182), (539, 31269), (560, 31317), (582, 31356), (588, 31380), (649, 31575), (677, 31662), (690, 31719), (692, 31728), (750, 31893), (828, 32064), (855, 32145), (874, 32223), (879, 32232),

Gene: Tian_39 Start: 30363, Stop: 32228, Start Num: 181

Candidate Starts for Tian_39:

(Start: 126 @30285 has 1 MA's), (Start: 181 @30363 has 918 MA's), (213, 30411), (261, 30537), (273, 30567), (290, 30594), (293, 30600), (311, 30660), (345, 30750), (440, 30957), (443, 30966), (489, 31065), (494, 31080), (560, 31218), (619, 31356), (643, 31443), (649, 31476), (672, 31539), (677, 31563), (690, 31620), (692, 31629), (726, 31722), (750, 31794), (799, 31902), (828, 31965), (832, 31989), (874, 32124), (879, 32133),

Gene: Tiffany_48 Start: 31738, Stop: 29924, Start Num: 181

Candidate Starts for Tiffany_48:

(Start: 181 @31738 has 918 MA's), (206, 31699), (214, 31687), (273, 31534), (281, 31519), (302, 31462), (323, 31405), (328, 31396), (341, 31354), (360, 31303), (378, 31252), (438, 31159), (458, 31111), (466, 31102), (472, 31087), (489, 31048), (499, 31021), (514, 30991), (555, 30898), (584, 30838), (595, 30823), (649, 30667), (677, 30580), (692, 30514), (706, 30475), (729, 30403), (739, 30364), (750, 30340), (757, 30322), (767, 30289), (782, 30262), (816, 30208), (832, 30148), (859, 30070), (874, 30013), (880, 30001), (884, 29992),

Gene: Tiger_37 Start: 29925, Stop: 28066, Start Num: 181

Candidate Starts for Tiger_37:

(Start: 181 @29925 has 918 MA's), (214, 29874), (236, 29814), (261, 29751), (273, 29721), (275, 29718), (299, 29661), (302, 29649), (311, 29619), (323, 29592), (378, 29439), (438, 29343), (458, 29295), (471, 29274), (497, 29211), (499, 29205), (537, 29133), (549, 29100), (555, 29085), (562, 29073), (614, 28974), (649, 28839), (660, 28809), (665, 28791), (674, 28773), (677, 28752), (680, 28743), (692, 28686), (706, 28647), (728, 28605), (733, 28587), (750, 28539), (767, 28488), (796, 28434), (801, 28425), (816, 28407), (832, 28347), (837, 28329), (868, 28236), (874, 28212), (880, 28200), (930, 28083), (931, 28080),

Gene: Timothy_45 Start: 30689, Stop: 28902, Start Num: 181

Candidate Starts for Timothy_45:

(Start: 181 @30689 has 918 MA's), (273, 30485), (302, 30413), (311, 30383), (323, 30356), (440, 30104), (466, 30053), (499, 29972), (523, 29927), (560, 29843), (586, 29786), (617, 29744), (628, 29699), (649, 29618), (667, 29567), (677, 29531), (692, 29465), (722, 29405), (725, 29393), (760, 29291), (767, 29267), (777, 29249), (816, 29186), (825, 29159), (828, 29150), (832, 29126), (874, 28991), (880, 28979), (884, 28970),

Gene: Timshel_43 Start: 33330, Stop: 31495, Start Num: 181

Candidate Starts for Timshel_43:

(Start: 181 @33330 has 918 MA's), (236, 33219), (277, 33117), (294, 33081), (301, 33057), (318, 33003), (323, 32997), (332, 32976), (360, 32895), (378, 32844), (433, 32763), (438, 32748), (448, 32721), (455, 32703), (460, 32700), (472, 32679), (489, 32640), (517, 32577), (548, 32511), (549, 32508), (560, 32487), (608, 32397), (618, 32376), (628, 32334), (649, 32253), (665, 32205), (680, 32157), (685, 32130), (692, 32100), (706, 32061), (728, 31992), (729, 31989), (733, 31974), (739, 31950), (757, 31908), (816, 31779), (825, 31752), (832, 31719), (837, 31701), (853, 31668), (874, 31584), (880, 31572), (884, 31563),

Gene: TinSulphur_39 Start: 28936, Stop: 27071, Start Num: 211

Candidate Starts for TinSulphur_39:

(Start: 140 @29023 has 3 MA's), (Start: 142 @29020 has 1 MA's), (Start: 211 @28936 has 115 MA's), (Start: 215 @28927 has 5 MA's), (255, 28822), (259, 28813), (275, 28783), (276, 28780), (332, 28660), (335, 28648), (338, 28642), (374, 28537), (384, 28510), (434, 28369), (435, 28363), (437, 28360), (440, 28348), (450, 28321), (451, 28318), (458, 28303), (461, 28297), (466, 28291), (481, 28258), (584, 28069), (685, 27754), (688, 27745), (689, 27742), (692, 27724), (707, 27682), (709, 27676), (712, 27667), (718, 27652), (735, 27595), (787, 27436), (802, 27406), (804, 27397), (829, 27337), (833, 27313), (846, 27274), (857, 27241), (858, 27229), (874, 27169),

Gene: TinaFeyge_45 Start: 31565, Stop: 29739, Start Num: 181

Candidate Starts for TinaFeyge_45:

(Start: 181 @31565 has 918 MA's), (195, 31544), (214, 31514), (224, 31484), (291, 31322), (298, 31304), (323, 31232), (328, 31223), (370, 31103), (378, 31079), (438, 30986), (460, 30938), (472, 30917), (489, 30878), (549, 30746), (560, 30725), (583, 30680), (586, 30668), (646, 30515), (649, 30494), (685, 30371), (692, 30341), (706, 30302), (728, 30236), (729, 30233), (733, 30218), (739, 30194), (750, 30170), (832, 29963), (874, 29828), (880, 29816), (884, 29807),

Gene: TinyPebbles_47 Start: 31886, Stop: 30072, Start Num: 181

Candidate Starts for TinyPebbles_47:

(Start: 181 @31886 has 918 MA's), (206, 31847), (214, 31835), (273, 31682), (281, 31667), (302, 31610), (323, 31553), (328, 31544), (341, 31502), (360, 31451), (378, 31400), (420, 31346), (438, 31307), (458, 31259), (472, 31235), (489, 31196), (499, 31169), (514, 31139), (555, 31046), (562, 31034), (584, 30986), (595, 30971), (649, 30815), (667, 30764), (676, 30731), (677, 30728), (692, 30662), (706, 30623), (729, 30551), (739, 30512), (750, 30488), (757, 30470), (767, 30437), (816, 30356), (832, 30296), (862, 30209), (874, 30161), (880, 30149), (884, 30140), (885, 30137),

Gene: TinyTimmy_45 Start: 30732, Stop: 28945, Start Num: 181

Candidate Starts for TinyTimmy_45:

(Start: 181 @30732 has 918 MA's), (273, 30528), (302, 30456), (311, 30426), (323, 30399), (440, 30147), (466, 30096), (499, 30015), (523, 29970), (560, 29886), (586, 29829), (617, 29787), (628, 29742), (649, 29661), (667, 29610), (677, 29574), (692, 29508), (722, 29448), (725, 29436), (760, 29334), (767, 29310), (777, 29292), (816, 29229), (825, 29202), (828, 29193), (832, 29169), (874, 29034), (880, 29022), (884, 29013),

Gene: Tinybot_44 Start: 31597, Stop: 29771, Start Num: 181

Candidate Starts for Tinybot_44:

(Start: 181 @31597 has 918 MA's), (195, 31576), (214, 31546), (224, 31516), (291, 31354), (298, 31336), (323, 31264), (328, 31255), (370, 31135), (378, 31111), (438, 31018), (460, 30970), (472, 30949), (489, 30910), (549, 30778), (560, 30757), (583, 30712), (586, 30700), (646, 30547), (649, 30526), (685, 30403), (692, 30373), (706, 30334), (728, 30268), (729, 30265), (733, 30250), (739, 30226), (750, 30202), (832, 29995), (874, 29860), (880, 29848), (884, 29839),

Gene: Tinyman4_37 Start: 27313, Stop: 25415, Start Num: 207

Candidate Starts for Tinyman4_37:

(2, 28051), (3, 28045), (33, 27790), (170, 27364), (Start: 207 @27313 has 19 MA's), (Start: 232 @27250 has 11 MA's), (255, 27199), (275, 27160), (300, 27103), (329, 27046), (332, 27037), (335, 27025), (338, 27019), (351, 26974), (354, 26968), (398, 26866), (410, 26821), (434, 26746), (437, 26737), (440, 26725), (451, 26695), (461, 26674), (468, 26662), (480, 26638), (570, 26488), (654, 26227), (680, 26125), (683, 26104), (692, 26068), (705, 26032), (707, 26026), (735, 25939), (743, 25912), (787, 25780), (804, 25741), (817, 25720), (829, 25681), (833, 25657), (835, 25651), (844, 25624), (874, 25513),

Gene: TipsytheTRex_42 Start: 30574, Stop: 28787, Start Num: 181

Candidate Starts for TipsytheTRex_42:

(Start: 181 @30574 has 918 MA's), (273, 30370), (275, 30367), (277, 30361), (286, 30346), (291, 30331), (302, 30298), (311, 30268), (323, 30241), (332, 30220), (341, 30190), (378, 30088), (438, 29995), (458, 29947), (466, 29938), (472, 29923), (499, 29857), (539, 29776), (560, 29728), (583, 29683), (649, 29503), (665, 29455), (667, 29452), (677, 29416), (692, 29350), (706, 29311), (722, 29290), (745, 29215), (753, 29197), (767, 29152), (782, 29125), (801, 29089), (816, 29071), (828, 29035), (832, 29011), (859, 28933), (874, 28876), (880, 28864), (884, 28855), (885, 28852),

Gene: TiroTheta9_45 Start: 31564, Stop: 29738, Start Num: 181

Candidate Starts for TiroTheta9_45:

(Start: 181 @31564 has 918 MA's), (195, 31543), (214, 31513), (224, 31483), (291, 31321), (298, 31303), (323, 31231), (328, 31222), (370, 31102), (378, 31078), (438, 30985), (460, 30937), (472, 30916), (489, 30877), (549, 30745), (560, 30724), (583, 30679), (586, 30667), (646, 30514), (649, 30493), (685, 30370), (692, 30340), (706, 30301), (728, 30235), (729, 30232), (733, 30217), (739, 30193), (750, 30169), (832, 29962), (874, 29827), (880, 29815), (884, 29806),

Gene: Toaka_44 Start: 30969, Stop: 29176, Start Num: 180

Candidate Starts for Toaka_44:

(Start: 180 @30969 has 21 MA's), (187, 30960), (259, 30798), (261, 30795), (273, 30765), (288, 30732), (303, 30687), (311, 30660), (316, 30645), (323, 30633), (341, 30582), (370, 30504), (378, 30480), (438, 30387), (466, 30330), (514, 30219), (557, 30123), (616, 30021), (618, 30015), (649, 29892), (680, 29796), (685, 29769), (689, 29757), (692, 29739), (728, 29658), (767, 29541), (828, 29424), (874, 29265), (880, 29253),

Gene: Todacoro_44 Start: 31597, Stop: 29759, Start Num: 181

Candidate Starts for Todacoro_44:

(Start: 181 @31597 has 918 MA's), (214, 31546), (273, 31393), (302, 31321), (311, 31291), (323, 31264), (328, 31255), (378, 31111), (438, 31015), (460, 30967), (489, 30907), (531, 30820), (549, 30775), (560, 30754), (596, 30682), (618, 30640), (628, 30598), (649, 30517), (665, 30469), (677, 30430), (685, 30394), (692, 30364), (704, 30334), (729, 30253), (739, 30214), (750, 30190), (757, 30172), (758, 30169), (816, 30043), (832, 29983), (862, 29896), (874, 29848), (880, 29836), (884, 29827),

Gene: Tolls_44 Start: 32396, Stop: 30009, Start Num: 26

Candidate Starts for Tolls_44:

(10, 32468), (11, 32453), (Start: 26 @32396 has 25 MA's), (29, 32387), (31, 32381), (43, 32300), (64, 32180), (73, 32129), (Start: 142 @31997 has 1 MA's), (164, 31970), (217, 31877), (238, 31832), (274, 31754), (296, 31706), (312, 31652), (313, 31649), (329, 31631), (335, 31610), (351, 31559), (355, 31550), (357, 31547), (384, 31472), (404, 31427), (422, 31367), (427, 31352), (456, 31268), (496, 31223), (519, 31199), (542, 31193), (552, 31169), (590, 31091), (596, 31088), (598, 31085), (648, 30938), (659, 30869), (683, 30770), (692, 30734), (705, 30698), (707, 30692), (709, 30686), (711, 30680), (718, 30656), (729, 30623), (735, 30599), (745, 30554), (766, 30494), (829, 30341), (837, 30302), (838, 30299), (874, 30173), (889, 30128), (891, 30119),

Gene: Tomathan_47 Start: 31153, Stop: 29330, Start Num: 181

Candidate Starts for Tomathan_47:

(Start: 181 @31153 has 918 MA's), (273, 30949), (285, 30925), (291, 30907), (298, 30889), (302, 30874), (303, 30871), (311, 30844), (323, 30817), (341, 30766), (378, 30664), (438, 30571), (458, 30523), (466, 30514), (471, 30502), (472, 30499), (499, 30433), (530, 30373), (583, 30259), (595, 30235), (617, 30196), (649, 30070), (667, 30019), (677, 29983), (692, 29917), (706, 29878), (729, 29809), (739, 29770), (758, 29725), (767, 29695), (801, 29632), (813, 29620), (816, 29614), (832, 29554), (874, 29419), (880, 29407), (884, 29398),

Gene: ToneTone_42 Start: 29354, Stop: 27513, Start Num: 181

Candidate Starts for ToneTone_42:

(Start: 157 @29384 has 1 MA's), (Start: 181 @29354 has 918 MA's), (273, 29150), (302, 29075), (303, 29072), (311, 29045), (316, 29030), (323, 29018), (341, 28967), (374, 28877), (378, 28865), (438, 28772), (453, 28733), (466, 28715), (472, 28700), (499, 28634), (516, 28601), (517, 28598), (564, 28496), (595, 28436), (628, 28352), (649, 28271), (676, 28187), (677, 28184), (680, 28175), (685, 28148), (692, 28118), (722, 28058), (733, 28019), (828, 27803), (829, 27800), (832, 27779), (874, 27644), (880, 27632), (884, 27623), (885, 27620), (923, 27527),

Gene: Topanga_42 Start: 31142, Stop: 29307, Start Num: 181

Candidate Starts for Topanga_42:

(Start: 181 @31142 has 918 MA's), (214, 31091), (238, 31025), (273, 30938), (285, 30914), (299, 30878), (302, 30866), (323, 30809), (328, 30800), (358, 30716), (370, 30680), (374, 30668), (378, 30656), (438, 30563), (460, 30515), (489, 30455), (499, 30428), (548, 30326), (549, 30323), (560, 30302), (562, 30296), (618, 30188), (649, 30065), (665, 30017), (685, 29942), (692, 29912), (704, 29882), (706, 29873), (728, 29804), (729, 29801), (739, 29762), (750, 29738), (753, 29732), (757, 29720), (832, 29531), (839, 29507), (862, 29444), (874, 29396), (880, 29384), (884, 29375),

Gene: Topgun_44 Start: 34288, Stop: 32462, Start Num: 181

Candidate Starts for Topgun_44:

(Start: 181 @34288 has 918 MA's), (277, 34075), (285, 34060), (302, 34012), (311, 33982), (318, 33961), (323, 33955), (328, 33946), (369, 33829), (378, 33802), (438, 33709), (443, 33694), (483, 33610), (484, 33607), (514, 33541), (530, 33511), (542, 33481), (562, 33436), (583, 33397), (649, 33217), (665, 33169), (677, 33130), (692, 33064), (706, 33025), (722, 33004), (728, 32983), (733, 32965), (757, 32899), (828, 32749), (829, 32746), (836, 32710), (846, 32686), (852, 32677), (856, 32665), (867, 32617), (874, 32590), (884, 32569),

Gene: Toro_45 Start: 33412, Stop: 31577, Start Num: 181

Candidate Starts for Toro_45:

(Start: 181 @33412 has 918 MA's), (195, 33391), (236, 33301), (294, 33163), (318, 33085), (323, 33079), (378, 32926), (434, 32842), (438, 32830), (455, 32785), (460, 32782), (489, 32722), (510, 32671), (517, 32659), (560, 32569), (583, 32524), (618, 32455), (628, 32413), (646, 32353), (649, 32332), (665, 32284), (680, 32236), (685, 32209), (686, 32206), (692, 32179), (706, 32140), (729, 32071), (739, 32032), (757, 31990), (758, 31987), (767, 31957), (816, 31861), (825, 31834), (836, 31786), (837, 31783), (874, 31666), (880, 31654), (884, 31645),

Gene: Tote_40 Start: 31416, Stop: 29587, Start Num: 181

Candidate Starts for Tote_40:

(Start: 181 @31416 has 918 MA's), (277, 31203), (285, 31188), (302, 31140), (311, 31110), (318, 31089), (323, 31083), (328, 31074), (369, 30957), (378, 30930), (438, 30837), (443, 30822), (451, 30801), (483, 30738), (484, 30735), (514, 30669), (530, 30639), (542, 30609), (562, 30564), (583, 30525), (649, 30345), (665, 30297), (680, 30249), (689, 30210), (692, 30192), (706, 30153), (722, 30132), (728, 30111), (732, 30096), (779, 29973), (853, 29802), (858, 29778), (871, 29730), (874, 29718), (884, 29697), (887, 29691), (903, 29643), (908, 29628),

Gene: Traft412_45 Start: 35231, Stop: 33405, Start Num: 181

Candidate Starts for Traft412_45:

(Start: 181 @35231 has 918 MA's), (277, 35018), (285, 35003), (311, 34925), (318, 34904), (323, 34898), (328, 34889), (369, 34772), (378, 34745), (438, 34652), (443, 34637), (451, 34616), (483, 34553), (484, 34550), (506, 34496), (514, 34484), (530, 34454), (542, 34424), (562, 34379), (583, 34340), (649, 34160), (665, 34112), (677, 34073), (692, 34007), (706, 33968), (722, 33947), (728, 33926), (733, 33908), (757, 33842), (828, 33692), (829, 33689), (836, 33653), (846, 33629), (852,

33620), (856, 33608), (862, 33581), (874, 33533), (884, 33512),

Gene: Travvers_47 Start: 31153, Stop: 29330, Start Num: 181

Candidate Starts for Travvers_47:

(Start: 181 @31153 has 918 MA's), (273, 30949), (285, 30925), (291, 30907), (298, 30889), (302, 30874), (303, 30871), (311, 30844), (323, 30817), (341, 30766), (378, 30664), (438, 30571), (458, 30523), (466, 30514), (471, 30502), (472, 30499), (499, 30433), (530, 30373), (583, 30259), (595, 30235), (617, 30196), (649, 30070), (667, 30019), (677, 29983), (692, 29917), (706, 29878), (729, 29809), (739, 29770), (758, 29725), (767, 29695), (801, 29632), (816, 29614), (832, 29554), (874, 29419), (880, 29407), (884, 29398),

Gene: Treddle_46 Start: 35746, Stop: 33920, Start Num: 181

Candidate Starts for Treddle_46:

(Start: 181 @35746 has 918 MA's), (277, 35533), (285, 35518), (302, 35470), (311, 35440), (318, 35419), (323, 35413), (328, 35404), (369, 35287), (378, 35260), (438, 35167), (443, 35152), (483, 35068), (484, 35065), (514, 34999), (530, 34969), (542, 34939), (562, 34894), (583, 34855), (649, 34675), (665, 34627), (677, 34588), (692, 34522), (728, 34441), (729, 34438), (757, 34357), (828, 34207), (829, 34204), (836, 34168), (846, 34144), (852, 34135), (856, 34123), (874, 34048), (884, 34027),

Gene: Trike_42 Start: 30393, Stop: 28561, Start Num: 181

Candidate Starts for Trike_42:

(Start: 181 @30393 has 918 MA's), (214, 30342), (238, 30276), (273, 30189), (277, 30180), (299, 30129), (302, 30117), (323, 30060), (353, 29979), (358, 29967), (360, 29958), (370, 29931), (378, 29907), (438, 29814), (453, 29775), (489, 29706), (499, 29679), (562, 29547), (649, 29319), (674, 29253), (685, 29196), (692, 29166), (706, 29127), (729, 29055), (733, 29040), (739, 29016), (757, 28974), (767, 28941), (832, 28785), (839, 28761), (862, 28698), (874, 28650), (880, 28638), (884, 28629),

Gene: Tripl3t_45 Start: 35417, Stop: 33591, Start Num: 181

Candidate Starts for Tripl3t_45:

(Start: 181 @35417 has 918 MA's), (277, 35204), (285, 35189), (302, 35141), (311, 35111), (318, 35090), (323, 35084), (328, 35075), (369, 34958), (378, 34931), (438, 34838), (443, 34823), (458, 34790), (483, 34739), (484, 34736), (514, 34670), (530, 34640), (542, 34610), (562, 34565), (583, 34526), (649, 34346), (665, 34298), (677, 34259), (692, 34193), (706, 34154), (722, 34133), (728, 34112), (733, 34094), (757, 34028), (828, 33878), (829, 33875), (836, 33839), (846, 33815), (852, 33806), (856, 33794), (874, 33719), (884, 33698),

Gene: TripleC_41 Start: 31922, Stop: 30141, Start Num: 174

Candidate Starts for TripleC_41:

(90, 32069), (94, 32054), (112, 32027), (Start: 174 @31922 has 2 MA's), (199, 31883), (220, 31841), (Start: 232 @31799 has 11 MA's), (252, 31751), (314, 31607), (335, 31559), (341, 31541), (371, 31478), (373, 31472), (381, 31448), (438, 31379), (476, 31298), (489, 31271), (494, 31256), (525, 31193), (550, 31136), (565, 31106), (583, 31070), (586, 31058), (603, 31034), (646, 30920), (649, 30899), (650, 30893), (660, 30869), (666, 30848), (681, 30797), (686, 30773), (692, 30746), (706, 30707), (754, 30563), (767, 30521), (769, 30515), (782, 30494), (807, 30440), (815, 30425), (833, 30359), (855, 30302), (859, 30281), (860, 30278), (864, 30260), (869, 30245), (899, 30152),

Gene: Triscuit_70 Start: 43915, Stop: 46587, Start Num: 13

Candidate Starts for Triscuit_70:

(Start: 13 @43915 has 2 MA's), (29, 44005), (30, 44008), (31, 44011), (40, 44071), (97, 44317), (Start: 209 @44494 has 41 MA's), (Start: 215 @44506 has 5 MA's), (Start: 230 @44551 has 5 MA's), (237, 44566), (245, 44593), (290, 44692), (300, 44722), (312, 44761), (335, 44803), (354, 44860), (359,

44875), (390, 44929), (427, 45040), (483, 45181), (491, 45205), (556, 45355), (558, 45358), (566, 45376), (585, 45433), (618, 45493), (635, 45553), (678, 45748), (692, 45811), (713, 45874), (735, 45949), (759, 46030), (768, 46060), (792, 46120), (817, 46168), (829, 46207), (834, 46234), (836, 46243), (856, 46306), (857, 46309), (874, 46381), (876, 46390), (885, 46420), (926, 46528), (932, 46546), (934, 46564),

Gene: Tristan_44 Start: 32429, Stop: 30639, Start Num: 181

Candidate Starts for Tristan_44:

(Start: 181 @32429 has 918 MA's), (273, 32225), (277, 32216), (303, 32147), (311, 32120), (323, 32093), (378, 31940), (433, 31862), (438, 31847), (458, 31799), (466, 31790), (472, 31775), (499, 31709), (516, 31676), (553, 31592), (595, 31511), (617, 31481), (649, 31355), (660, 31325), (667, 31304), (685, 31232), (692, 31202), (706, 31163), (722, 31142), (728, 31121), (731, 31109), (801, 30941), (813, 30929), (828, 30887), (832, 30863), (855, 30806), (859, 30785), (862, 30776), (874, 30728), (880, 30716), (884, 30707),

Gene: Trixie_44 Start: 31811, Stop: 30024, Start Num: 181

Candidate Starts for Trixie_44:

(Start: 181 @31811 has 918 MA's), (275, 31604), (277, 31598), (286, 31583), (291, 31568), (303, 31532), (311, 31505), (323, 31478), (332, 31457), (341, 31427), (378, 31325), (438, 31232), (458, 31184), (466, 31175), (472, 31160), (499, 31094), (560, 30965), (649, 30740), (667, 30689), (676, 30656), (677, 30653), (692, 30587), (706, 30548), (722, 30527), (745, 30452), (750, 30440), (753, 30434), (801, 30326), (828, 30272), (832, 30248), (855, 30191), (859, 30170), (874, 30113), (880, 30101), (885, 30089),

Gene: Troje_45 Start: 32853, Stop: 30463, Start Num: 20

Candidate Starts for Troje_45:

(Start: 20 @32853 has 19 MA's), (36, 32790), (41, 32772), (43, 32757), (52, 32703), (53, 32691), (55, 32670), (64, 32637), (69, 32610), (73, 32586), (90, 32559), (Start: 142 @32454 has 1 MA's), (176, 32406), (238, 32289), (274, 32208), (288, 32181), (296, 32160), (312, 32106), (313, 32103), (329, 32085), (335, 32064), (355, 32004), (427, 31806), (440, 31764), (496, 31677), (519, 31653), (542, 31647), (566, 31593), (570, 31587), (590, 31545), (596, 31542), (598, 31539), (648, 31392), (653, 31350), (659, 31323), (672, 31281), (692, 31188), (705, 31152), (707, 31146), (709, 31140), (711, 31134), (718, 31110), (729, 31077), (735, 31053), (745, 31008), (797, 30873), (873, 30630), (874, 30627), (889, 30582), (891, 30573), (911, 30513),

Gene: Trooper_45 Start: 31579, Stop: 29792, Start Num: 180

Candidate Starts for Trooper_45:

(Start: 180 @31579 has 21 MA's), (275, 31372), (277, 31366), (286, 31351), (291, 31336), (302, 31303), (303, 31300), (311, 31273), (323, 31246), (328, 31237), (378, 31093), (381, 31084), (438, 31000), (458, 30952), (466, 30943), (472, 30928), (499, 30862), (539, 30781), (560, 30733), (562, 30727), (628, 30589), (649, 30508), (676, 30424), (677, 30421), (692, 30355), (706, 30316), (722, 30295), (745, 30220), (750, 30208), (801, 30094), (813, 30082), (816, 30076), (828, 30040), (832, 30016), (855, 29959), (859, 29938), (874, 29881), (880, 29869),

Gene: Trouble_46 Start: 35902, Stop: 34073, Start Num: 181

Candidate Starts for Trouble_46:

(Start: 181 @35902 has 918 MA's), (285, 35674), (311, 35596), (318, 35575), (323, 35569), (328, 35560), (369, 35443), (378, 35416), (438, 35323), (443, 35308), (458, 35275), (483, 35224), (484, 35221), (514, 35155), (530, 35125), (542, 35095), (562, 35050), (583, 35011), (649, 34831), (665, 34783), (680, 34735), (689, 34696), (692, 34678), (706, 34639), (722, 34618), (728, 34597), (732, 34582), (779, 34459), (836, 34324), (853, 34288), (858, 34264), (871, 34216), (874, 34204), (884, 34183), (887, 34177), (903, 34129), (908, 34114),

Gene: TroyPia_46 Start: 31568, Stop: 29742, Start Num: 181

Candidate Starts for TroyPia_46:

(Start: 181 @31568 has 918 MA's), (195, 31547), (214, 31517), (224, 31487), (291, 31325), (298, 31307), (323, 31235), (328, 31226), (370, 31106), (378, 31082), (438, 30989), (460, 30941), (472, 30920), (489, 30881), (549, 30749), (560, 30728), (583, 30683), (586, 30671), (646, 30518), (649, 30497), (685, 30374), (692, 30344), (706, 30305), (728, 30239), (729, 30236), (733, 30221), (739, 30197), (750, 30173), (832, 29966), (874, 29831), (880, 29819), (884, 29810),

Gene: Tubs_45 Start: 31483, Stop: 29690, Start Num: 181

Candidate Starts for Tubs_45:

(Start: 181 @31483 has 918 MA's), (187, 31474), (214, 31432), (259, 31312), (261, 31309), (282, 31261), (303, 31201), (312, 31171), (316, 31159), (323, 31147), (378, 30994), (438, 30901), (499, 30763), (514, 30733), (586, 30574), (595, 30562), (616, 30535), (646, 30427), (649, 30406), (689, 30271), (692, 30253), (728, 30172), (739, 30130), (767, 30055), (813, 29980), (828, 29938), (859, 29836), (874, 29779), (880, 29767), (884, 29758),

Gene: Tuck_44 Start: 31714, Stop: 33579, Start Num: 181

Candidate Starts for Tuck_44:

(Start: 181 @31714 has 918 MA's), (213, 31762), (273, 31918), (311, 32011), (345, 32101), (440, 32308), (484, 32407), (489, 32416), (494, 32431), (499, 32443), (539, 32521), (560, 32569), (586, 32626), (619, 32707), (649, 32827), (660, 32857), (677, 32914), (692, 32980), (726, 33073), (750, 33145), (799, 33253), (828, 33316), (874, 33475), (879, 33484), (909, 33562),

Gene: Tucker_46 Start: 29792, Stop: 27951, Start Num: 181

Candidate Starts for Tucker_46:

(Start: 157 @29822 has 1 MA's), (Start: 181 @29792 has 918 MA's), (273, 29588), (302, 29513), (303, 29510), (311, 29483), (316, 29468), (323, 29456), (341, 29405), (374, 29315), (378, 29303), (438, 29210), (453, 29171), (466, 29153), (472, 29138), (499, 29072), (516, 29039), (517, 29036), (564, 28934), (595, 28874), (628, 28790), (649, 28709), (676, 28625), (677, 28622), (680, 28613), (685, 28586), (692, 28556), (722, 28496), (733, 28457), (828, 28241), (829, 28238), (832, 28217), (874, 28082), (880, 28070), (884, 28061), (885, 28058), (923, 27965),

Gene: TukTuk_43 Start: 29558, Stop: 31432, Start Num: 171

Candidate Starts for TukTuk_43:

(Start: 168 @29555 has 7 MA's), (Start: 171 @29558 has 61 MA's), (Start: 219 @29627 has 1 MA's), (227, 29648), (302, 29828), (328, 29894), (341, 29936), (489, 30230), (549, 30365), (594, 30464), (635, 30587), (649, 30647), (650, 30653), (667, 30698), (675, 30728), (683, 30764), (692, 30800), (726, 30893), (758, 30986), (793, 31064), (828, 31136), (836, 31175), (855, 31217), (858, 31235), (874, 31295), (884, 31316),

Gene: Turab_38 Start: 28808, Stop: 30673, Start Num: 181

Candidate Starts for Turab_38:

(Start: 181 @28808 has 918 MA's), (213, 28856), (273, 29012), (318, 29126), (345, 29195), (440, 29402), (484, 29501), (489, 29510), (494, 29525), (499, 29537), (516, 29570), (560, 29663), (586, 29720), (619, 29801), (649, 29921), (660, 29951), (677, 30008), (690, 30065), (692, 30074), (726, 30167), (750, 30239), (754, 30248), (799, 30347), (828, 30410), (868, 30545), (874, 30569), (879, 30578), (909, 30656),

Gene: Turbido_45 Start: 31617, Stop: 29830, Start Num: 181

Candidate Starts for Turbido_45:

(115, 31704), (Start: 181 @31617 has 918 MA's), (275, 31410), (277, 31404), (286, 31389), (291, 31374), (303, 31338), (311, 31311), (323, 31284), (332, 31263), (378, 31131), (438, 31038), (458, 30990), (466, 30981), (472, 30966), (499, 30900), (539, 30819), (560, 30771), (562, 30765), (595,

30702), (649, 30546), (667, 30495), (676, 30462), (677, 30459), (692, 30393), (706, 30354), (722, 30333), (745, 30258), (750, 30246), (767, 30195), (801, 30132), (816, 30114), (828, 30078), (832, 30054), (859, 29976), (874, 29919), (880, 29907), (884, 29898),

Gene: Turj99_42 Start: 33989, Stop: 32163, Start Num: 181

Candidate Starts for Turj99_42:

(Start: 181 @33989 has 918 MA's), (277, 33776), (285, 33761), (311, 33683), (315, 33671), (318, 33662), (323, 33656), (328, 33647), (369, 33530), (378, 33503), (438, 33410), (443, 33395), (458, 33362), (483, 33311), (484, 33308), (506, 33254), (514, 33242), (530, 33212), (542, 33182), (562, 33137), (583, 33098), (649, 32918), (665, 32870), (667, 32867), (677, 32831), (692, 32765), (706, 32726), (722, 32705), (728, 32684), (733, 32666), (757, 32600), (828, 32450), (829, 32447), (836, 32411), (846, 32387), (852, 32378), (856, 32366), (867, 32318), (874, 32291), (884, 32270),

Gene: Tutumahutu_42 Start: 29675, Stop: 31540, Start Num: 181

Candidate Starts for Tutumahutu_42:

(64, 29414), (Start: 126 @29597 has 1 MA's), (Start: 181 @29675 has 918 MA's), (213, 29723), (311, 29972), (345, 30062), (440, 30269), (443, 30278), (484, 30368), (489, 30377), (494, 30392), (516, 30437), (539, 30482), (560, 30530), (586, 30587), (619, 30668), (643, 30755), (649, 30788), (660, 30818), (677, 30875), (692, 30941), (726, 31034), (750, 31106), (799, 31214), (828, 31277), (832, 31301), (868, 31412), (874, 31436), (879, 31445),

Gene: Tweety19_41 Start: 28185, Stop: 30029, Start Num: 181

Candidate Starts for Tweety19_41:

(Start: 181 @28185 has 918 MA's), (213, 28233), (235, 28293), (273, 28389), (290, 28416), (303, 28455), (318, 28503), (345, 28572), (440, 28758), (489, 28866), (494, 28881), (554, 29010), (560, 29019), (619, 29157), (649, 29277), (677, 29364), (690, 29421), (692, 29430), (726, 29523), (828, 29766), (874, 29925), (879, 29934), (909, 30012),

Gene: Twigg_39 Start: 30566, Stop: 28701, Start Num: 181

Candidate Starts for Twigg_39:

(Start: 181 @30566 has 918 MA's), (214, 30515), (236, 30455), (261, 30392), (273, 30362), (275, 30359), (299, 30302), (302, 30290), (311, 30260), (323, 30233), (378, 30080), (438, 29984), (458, 29936), (497, 29852), (499, 29846), (537, 29774), (549, 29741), (555, 29726), (562, 29714), (614, 29615), (649, 29480), (660, 29450), (665, 29432), (674, 29414), (677, 29393), (680, 29384), (692, 29327), (706, 29288), (728, 29246), (733, 29228), (750, 29180), (767, 29129), (796, 29075), (801, 29066), (816, 29048), (832, 28988), (837, 28970), (868, 28877), (874, 28853), (880, 28841), (923, 28736),

Gene: Twister_42 Start: 31053, Stop: 29218, Start Num: 181

Candidate Starts for Twister_42:

(Start: 181 @31053 has 918 MA's), (214, 31002), (238, 30936), (273, 30849), (285, 30825), (299, 30789), (302, 30777), (323, 30720), (328, 30711), (358, 30627), (370, 30591), (374, 30579), (378, 30567), (438, 30474), (460, 30426), (489, 30366), (499, 30339), (548, 30237), (549, 30234), (560, 30213), (562, 30207), (618, 30099), (649, 29976), (665, 29928), (685, 29853), (692, 29823), (704, 29793), (706, 29784), (728, 29715), (729, 29712), (739, 29673), (750, 29649), (753, 29643), (757, 29631), (832, 29442), (839, 29418), (862, 29355), (874, 29307), (880, 29295), (884, 29286),

Gene: TwoBits_36 Start: 27427, Stop: 25562, Start Num: 209

Candidate Starts for TwoBits_36:

(Start: 209 @27427 has 41 MA's), (214, 27421), (253, 27322), (255, 27313), (267, 27289), (275, 27274), (277, 27268), (291, 27241), (300, 27217), (302, 27214), (338, 27133), (349, 27097), (367, 27043), (393, 26983), (398, 26980), (435, 26854), (437, 26851), (440, 26839), (451, 26809), (461, 26788), (480, 26752), (568, 26605), (639, 26437), (642, 26425), (685, 26245), (692, 26215), (718,

26143), (735, 26086), (743, 26059), (755, 26017), (802, 25897), (804, 25888), (829, 25828), (833, 25804), (836, 25792), (839, 25783), (846, 25765), (857, 25732), (874, 25660),

Gene: TwoPeat_45 Start: 34739, Stop: 32910, Start Num: 181

Candidate Starts for TwoPeat_45:

(Start: 181 @34739 has 918 MA's), (277, 34526), (285, 34511), (302, 34463), (311, 34433), (318, 34412), (323, 34406), (328, 34397), (369, 34280), (378, 34253), (438, 34160), (443, 34145), (451, 34124), (483, 34061), (484, 34058), (514, 33992), (530, 33962), (542, 33932), (562, 33887), (583, 33848), (649, 33668), (665, 33620), (680, 33572), (689, 33533), (692, 33515), (706, 33476), (722, 33455), (728, 33434), (732, 33419), (779, 33296), (853, 33125), (858, 33101), (871, 33053), (874, 33041), (884, 33020), (887, 33014), (903, 32966), (908, 32951),

Gene: TygerBlood_45 Start: 31570, Stop: 29744, Start Num: 181

Candidate Starts for TygerBlood_45:

(Start: 181 @31570 has 918 MA's), (195, 31549), (214, 31519), (224, 31489), (291, 31327), (298, 31309), (323, 31237), (328, 31228), (370, 31108), (378, 31084), (438, 30991), (460, 30943), (472, 30922), (489, 30883), (549, 30751), (560, 30730), (583, 30685), (586, 30673), (646, 30520), (649, 30499), (685, 30376), (692, 30346), (706, 30307), (728, 30241), (729, 30238), (733, 30223), (739, 30199), (750, 30175), (832, 29968), (874, 29833), (880, 29821), (884, 29812),

Gene: Typhonomachy_42 Start: 32264, Stop: 29871, Start Num: 20

Candidate Starts for Typhonomachy_42:

(Start: 20 @32264 has 19 MA's), (28, 32258), (Start: 35 @32210 has 1 MA's), (43, 32168), (49, 32144), (69, 32018), (73, 31994), (97, 31949), (123, 31898), (132, 31883), (Start: 142 @31862 has 1 MA's), (176, 31814), (204, 31772), (238, 31697), (240, 31685), (274, 31616), (288, 31589), (290, 31583), (296, 31568), (312, 31514), (313, 31511), (329, 31493), (335, 31472), (404, 31289), (405, 31283), (427, 31214), (440, 31172), (496, 31085), (519, 31061), (542, 31055), (552, 31031), (556, 31022), (563, 31007), (570, 30995), (590, 30953), (596, 30950), (598, 30947), (648, 30800), (659, 30731), (661, 30725), (672, 30689), (692, 30596), (694, 30587), (705, 30560), (707, 30554), (709, 30548), (711, 30542), (729, 30485), (735, 30461), (745, 30416), (874, 30035), (889, 29990), (891, 29981), (911, 29921),

Gene: U2_43 Start: 34422, Stop: 32596, Start Num: 181

Candidate Starts for U2_43:

(Start: 181 @34422 has 918 MA's), (277, 34209), (285, 34194), (302, 34146), (311, 34116), (318, 34095), (323, 34089), (328, 34080), (378, 33936), (438, 33843), (443, 33828), (483, 33744), (484, 33741), (514, 33675), (542, 33615), (562, 33570), (583, 33531), (649, 33351), (665, 33303), (677, 33264), (692, 33198), (706, 33159), (722, 33138), (728, 33117), (733, 33099), (757, 33033), (828, 32883), (829, 32880), (836, 32844), (846, 32820), (852, 32811), (856, 32799), (874, 32724), (884, 32703),

Gene: Ugenie5_42 Start: 31726, Stop: 29933, Start Num: 181

Candidate Starts for Ugenie5_42:

(Start: 181 @31726 has 918 MA's), (187, 31717), (214, 31675), (259, 31555), (261, 31552), (282, 31504), (303, 31444), (312, 31414), (316, 31402), (323, 31390), (378, 31237), (438, 31144), (499, 31006), (514, 30976), (586, 30817), (595, 30805), (616, 30778), (646, 30670), (649, 30649), (689, 30514), (692, 30496), (728, 30415), (739, 30373), (767, 30298), (779, 30277), (813, 30223), (828, 30181), (859, 30079), (874, 30022), (880, 30010), (884, 30001),

Gene: UhSalsa_36 Start: 28114, Stop: 26330, Start Num: 181

Candidate Starts for UhSalsa_36:

(Start: 181 @28114 has 918 MA's), (288, 27880), (299, 27850), (301, 27841), (302, 27838), (316, 27793), (323, 27781), (341, 27730), (378, 27628), (391, 27607), (438, 27535), (455, 27490), (458,

27487), (480, 27445), (482, 27439), (489, 27424), (499, 27397), (549, 27292), (553, 27283), (562, 27265), (583, 27226), (618, 27169), (649, 27046), (665, 26998), (692, 26893), (693, 26890), (722, 26833), (728, 26812), (741, 26764), (769, 26689), (813, 26620), (828, 26578), (832, 26554), (859, 26476), (874, 26419), (880, 26407), (884, 26398), (894, 26368), (900, 26350),

Gene: Ulysses_44 Start: 31247, Stop: 29421, Start Num: 181

Candidate Starts for Ulysses_44:

(Start: 181 @31247 has 918 MA's), (195, 31226), (214, 31196), (224, 31166), (291, 31004), (298, 30986), (323, 30914), (328, 30905), (370, 30785), (378, 30761), (438, 30668), (460, 30620), (472, 30599), (489, 30560), (506, 30515), (510, 30509), (549, 30428), (560, 30407), (583, 30362), (586, 30350), (646, 30197), (649, 30176), (685, 30053), (692, 30023), (706, 29984), (728, 29918), (729, 29915), (733, 29900), (739, 29876), (750, 29852), (832, 29645), (874, 29510), (880, 29498), (884, 29489),

Gene: UnionJack_39 Start: 29889, Stop: 28024, Start Num: 181

Candidate Starts for UnionJack_39:

(Start: 181 @29889 has 918 MA's), (236, 29778), (273, 29685), (275, 29682), (302, 29613), (311, 29583), (323, 29556), (328, 29547), (360, 29454), (366, 29439), (378, 29403), (438, 29307), (455, 29262), (458, 29259), (472, 29235), (497, 29175), (537, 29097), (549, 29064), (555, 29049), (562, 29037), (614, 28938), (649, 28803), (660, 28773), (665, 28755), (667, 28752), (677, 28716), (680, 28707), (683, 28686), (686, 28677), (692, 28650), (693, 28647), (722, 28590), (728, 28569), (750, 28503), (767, 28452), (796, 28398), (801, 28389), (816, 28371), (832, 28311), (837, 28293), (868, 28200), (874, 28176), (880, 28164), (923, 28059),

Gene: Updawg_45 Start: 31601, Stop: 29814, Start Num: 181

Candidate Starts for Updawg_45:

(Start: 181 @31601 has 918 MA's), (273, 31397), (275, 31394), (277, 31388), (291, 31358), (302, 31325), (303, 31322), (311, 31295), (323, 31268), (341, 31217), (378, 31115), (438, 31022), (458, 30974), (466, 30965), (472, 30950), (499, 30884), (539, 30803), (560, 30755), (628, 30611), (649, 30530), (667, 30479), (676, 30446), (692, 30377), (706, 30338), (722, 30317), (728, 30296), (731, 30284), (813, 30104), (816, 30098), (828, 30062), (832, 30038), (859, 29960), (874, 29903), (880, 29891),

Gene: UtzChips_47 Start: 31134, Stop: 32999, Start Num: 181

Candidate Starts for UtzChips_47:

(107, 31014), (116, 31032), (Start: 181 @31134 has 918 MA's), (235, 31242), (487, 31830), (489, 31836), (560, 31989), (588, 32052), (649, 32247), (672, 32310), (683, 32364), (685, 32370), (693, 32403), (758, 32586), (874, 32895), (905, 32973), (920, 32994),

Gene: VA6_43 Start: 31120, Stop: 29333, Start Num: 181

Candidate Starts for VA6_43:

(Start: 181 @31120 has 918 MA's), (273, 30916), (275, 30913), (277, 30907), (286, 30892), (291, 30877), (302, 30844), (303, 30841), (311, 30814), (323, 30787), (332, 30766), (341, 30736), (378, 30634), (438, 30541), (441, 30532), (458, 30493), (466, 30484), (472, 30469), (499, 30403), (539, 30322), (560, 30274), (562, 30268), (628, 30130), (649, 30049), (667, 29998), (676, 29965), (677, 29962), (692, 29896), (706, 29857), (722, 29836), (745, 29761), (753, 29743), (767, 29698), (782, 29671), (801, 29635), (816, 29617), (828, 29581), (832, 29557), (855, 29500), (874, 29422), (880, 29410), (884, 29401),

Gene: VC3_48 Start: 31569, Stop: 29770, Start Num: 181

Candidate Starts for VC3_48:

(Start: 181 @31569 has 918 MA's), (273, 31365), (302, 31290), (303, 31287), (311, 31260), (316, 31245), (323, 31233), (341, 31182), (378, 31080), (438, 30987), (441, 30978), (458, 30939), (466,

30930), (499, 30849), (516, 30816), (530, 30789), (583, 30675), (595, 30651), (649, 30486), (665, 30438), (677, 30399), (685, 30363), (692, 30333), (706, 30294), (722, 30273), (757, 30168), (767, 30135), (801, 30072), (828, 30018), (832, 29994), (874, 29859), (880, 29847), (884, 29838),

Gene: VResidence_41 Start: 29109, Stop: 31019, Start Num: 181

Candidate Starts for VResidence_41:

(Start: 181 @29109 has 918 MA's), (213, 29157), (261, 29283), (290, 29340), (318, 29427), (345, 29496), (440, 29748), (443, 29757), (489, 29856), (494, 29871), (560, 30009), (619, 30147), (628, 30186), (649, 30267), (677, 30354), (685, 30390), (690, 30411), (692, 30420), (750, 30585), (754, 30594), (828, 30756), (837, 30798), (853, 30831), (874, 30915), (879, 30924), (909, 31002),

Gene: Vanisoa_44 Start: 32049, Stop: 30256, Start Num: 181

Candidate Starts for Vanisoa_44:

(Start: 181 @32049 has 918 MA's), (187, 32040), (214, 31998), (259, 31878), (261, 31875), (273, 31845), (282, 31827), (302, 31770), (303, 31767), (312, 31737), (316, 31725), (323, 31713), (328, 31704), (341, 31662), (347, 31644), (377, 31563), (378, 31560), (438, 31467), (514, 31299), (557, 31203), (586, 31140), (616, 31101), (618, 31095), (649, 30972), (660, 30942), (674, 30906), (680, 30876), (692, 30819), (728, 30738), (767, 30621), (828, 30504), (832, 30480), (859, 30402), (874, 30345), (880, 30333), (884, 30324),

Gene: Vash_34 Start: 26753, Stop: 28627, Start Num: 181

Candidate Starts for Vash_34:

(Start: 181 @26753 has 918 MA's), (224, 26834), (273, 26954), (311, 27056), (312, 27059), (318, 27077), (328, 27092), (471, 27401), (483, 27431), (489, 27443), (496, 27461), (512, 27497), (549, 27575), (554, 27587), (560, 27596), (586, 27653), (587, 27656), (588, 27659), (640, 27803), (649, 27854), (665, 27905), (683, 27977), (685, 27983), (686, 27986), (690, 28004), (692, 28013), (705, 28079), (725, 28133), (765, 28247), (795, 28310), (799, 28316), (801, 28322), (820, 28358), (825, 28370), (836, 28418), (839, 28427), (853, 28454), (859, 28481), (874, 28538), (878, 28544), (884, 28559), (887, 28565),

Gene: Velene_39 Start: 28935, Stop: 27070, Start Num: 211

Candidate Starts for Velene_39:

(Start: 140 @29022 has 3 MA's), (Start: 142 @29019 has 1 MA's), (197, 28950), (Start: 211 @28935 has 115 MA's), (Start: 215 @28926 has 5 MA's), (255, 28821), (259, 28812), (275, 28782), (276, 28779), (332, 28659), (335, 28647), (338, 28641), (374, 28536), (384, 28509), (434, 28368), (437, 28359), (440, 28347), (450, 28320), (451, 28317), (458, 28302), (461, 28296), (466, 28290), (481, 28257), (584, 28068), (685, 27753), (688, 27744), (689, 27741), (692, 27723), (707, 27681), (709, 27675), (718, 27651), (735, 27594), (787, 27435), (802, 27405), (804, 27396), (829, 27336), (833, 27312), (846, 27273), (857, 27240), (858, 27228), (874, 27168),

Gene: Veracruz_43 Start: 31597, Stop: 29759, Start Num: 181

Candidate Starts for Veracruz_43:

(Start: 181 @31597 has 918 MA's), (214, 31546), (273, 31393), (302, 31321), (311, 31291), (323, 31264), (328, 31255), (378, 31111), (438, 31015), (460, 30967), (489, 30907), (531, 30820), (549, 30775), (560, 30754), (596, 30682), (618, 30640), (628, 30598), (649, 30517), (665, 30469), (677, 30430), (685, 30394), (692, 30364), (704, 30334), (729, 30253), (739, 30214), (750, 30190), (757, 30172), (758, 30169), (816, 30043), (832, 29983), (862, 29896), (874, 29848), (880, 29836), (884, 29827),

Gene: Vine_47 Start: 34669, Stop: 32288, Start Num: 27

Candidate Starts for Vine_47:

(Start: 27 @34669 has 14 MA's), (36, 34609), (46, 34567), (52, 34528), (73, 34408), (80, 34387), (97, 34363), (136, 34285), (Start: 140 @34279 has 3 MA's), (Start: 142 @34276 has 1 MA's), (165, 34246),

(196, 34198), (214, 34171), (Start: 215 @34168 has 5 MA's), (238, 34111), (255, 34072), (265, 34051), (287, 34009), (296, 33985), (299, 33976), (300, 33970), (302, 33964), (312, 33931), (329, 33910), (335, 33889), (404, 33706), (427, 33631), (440, 33589), (496, 33502), (542, 33478), (552, 33454), (556, 33445), (566, 33424), (596, 33373), (598, 33370), (606, 33355), (617, 33334), (649, 33208), (656, 33160), (659, 33151), (672, 33109), (692, 33016), (705, 32980), (707, 32974), (709, 32968), (711, 32962), (729, 32905), (735, 32881), (766, 32776), (767, 32773), (806, 32680), (817, 32662), (829, 32623), (838, 32581), (848, 32557), (857, 32527), (868, 32479), (874, 32455), (889, 32410), (909, 32344), (922, 32323), (925, 32317), (928, 32311),

Gene: Violet_42 Start: 34578, Stop: 32752, Start Num: 181

Candidate Starts for Violet_42:

(Start: 181 @34578 has 918 MA's), (277, 34365), (302, 34302), (311, 34272), (318, 34251), (323, 34245), (328, 34236), (369, 34119), (378, 34092), (438, 33999), (443, 33984), (483, 33900), (484, 33897), (514, 33831), (542, 33771), (562, 33726), (583, 33687), (649, 33507), (665, 33459), (677, 33420), (692, 33354), (704, 33324), (706, 33315), (722, 33294), (728, 33273), (733, 33255), (757, 33189), (828, 33039), (829, 33036), (836, 33000), (846, 32976), (852, 32967), (856, 32955), (874, 32880), (884, 32859),

Gene: Vispistious_39 Start: 28937, Stop: 27072, Start Num: 211

Candidate Starts for Vispistious_39:

(Start: 140 @29024 has 3 MA's), (Start: 142 @29021 has 1 MA's), (Start: 211 @28937 has 115 MA's), (Start: 215 @28928 has 5 MA's), (255, 28823), (259, 28814), (275, 28784), (276, 28781), (332, 28661), (335, 28649), (338, 28643), (374, 28538), (384, 28511), (434, 28370), (435, 28364), (437, 28361), (440, 28349), (450, 28322), (451, 28319), (458, 28304), (461, 28298), (466, 28292), (481, 28259), (561, 28130), (584, 28070), (622, 27995), (685, 27755), (688, 27746), (689, 27743), (692, 27725), (707, 27683), (709, 27677), (712, 27668), (718, 27653), (735, 27596), (787, 27437), (802, 27407), (804, 27398), (829, 27338), (833, 27314), (846, 27275), (857, 27242), (858, 27230), (874, 27170),

Gene: Vitas_40 Start: 27434, Stop: 29302, Start Num: 168

Candidate Starts for Vitas_40:

(Start: 168 @27434 has 7 MA's), (Start: 171 @27437 has 61 MA's), (173, 27440), (Start: 219 @27509 has 1 MA's), (333, 27791), (341, 27818), (366, 27872), (453, 28037), (489, 28112), (497, 28133), (635, 28487), (649, 28547), (667, 28598), (683, 28664), (692, 28700), (726, 28793), (793, 28964), (828, 29036), (855, 29117), (873, 29192), (874, 29195), (884, 29216), (910, 29285),

Gene: Vix_48 Start: 31935, Stop: 30121, Start Num: 181

Candidate Starts for Vix_48:

(Start: 181 @31935 has 918 MA's), (206, 31896), (214, 31884), (273, 31731), (281, 31716), (302, 31659), (323, 31602), (328, 31593), (341, 31551), (360, 31500), (378, 31449), (438, 31356), (458, 31308), (466, 31299), (472, 31284), (489, 31245), (499, 31218), (514, 31188), (555, 31095), (584, 31035), (595, 31020), (649, 30864), (677, 30777), (692, 30711), (706, 30672), (729, 30600), (739, 30561), (750, 30537), (757, 30519), (767, 30486), (782, 30459), (816, 30405), (832, 30345), (859, 30267), (874, 30210), (880, 30198), (884, 30189),

Gene: VohminGhazi_45 Start: 29628, Stop: 27787, Start Num: 181

Candidate Starts for VohminGhazi_45:

(Start: 181 @29628 has 918 MA's), (273, 29424), (302, 29349), (303, 29346), (311, 29319), (316, 29304), (323, 29292), (341, 29241), (374, 29151), (378, 29139), (438, 29046), (453, 29007), (466, 28989), (472, 28974), (499, 28908), (516, 28875), (517, 28872), (564, 28770), (595, 28710), (628, 28626), (649, 28545), (676, 28461), (677, 28458), (680, 28449), (685, 28422), (692, 28392), (722, 28332), (733, 28293), (828, 28077), (829, 28074), (832, 28053), (874, 27918), (880, 27906), (884, 27897), (885, 27894), (923, 27801),

Gene: VroomVroom_45 Start: 30595, Stop: 32457, Start Num: 180

Candidate Starts for VroomVroom_45:

(Start: 180 @30595 has 21 MA's), (213, 30643), (302, 30862), (338, 30958), (433, 31165), (489, 31294), (516, 31354), (539, 31399), (560, 31447), (597, 31531), (649, 31705), (660, 31735), (683, 31822), (685, 31828), (726, 31951), (729, 31960), (765, 32062), (832, 32218), (839, 32242), (874, 32353),

Gene: WaddleDee_86 Start: 73470, Stop: 75263, Start Num: 190

Candidate Starts for WaddleDee_86:

(Start: 190 @73470 has 7 MA's), (213, 73503), (Start: 219 @73524 has 1 MA's), (Start: 223 @73533 has 1 MA's), (227, 73545), (326, 73782), (335, 73809), (338, 73815), (420, 73950), (476, 74067), (489, 74094), (491, 74100), (494, 74109), (521, 74163), (583, 74295), (589, 74316), (610, 74343), (624, 74391), (634, 74424), (646, 74463), (649, 74484), (650, 74490), (683, 74607), (705, 74691), (706, 74694), (726, 74757), (730, 74769), (739, 74805), (754, 74838), (774, 74892), (783, 74910), (820, 74994), (828, 75015), (833, 75042), (853, 75090), (855, 75096), (858, 75114), (862, 75126), (864, 75138), (865, 75141), (874, 75174), (884, 75201), (892, 75225),

Gene: Waits_47 Start: 29831, Stop: 28041, Start Num: 181

Candidate Starts for Waits_47:

(Start: 181 @29831 has 918 MA's), (302, 29552), (303, 29549), (311, 29522), (323, 29495), (341, 29444), (378, 29342), (438, 29249), (453, 29210), (466, 29192), (549, 29003), (583, 28937), (619, 28877), (628, 28838), (644, 28787), (646, 28778), (649, 28757), (667, 28706), (676, 28673), (683, 28640), (685, 28634), (692, 28604), (722, 28544), (728, 28523), (739, 28481), (751, 28454), (796, 28352), (828, 28289), (829, 28286), (874, 28130), (880, 28118), (885, 28106),

Gene: WalkingDead_44 Start: 31418, Stop: 33292, Start Num: 171

Candidate Starts for WalkingDead_44:

(Start: 171 @31418 has 61 MA's), (Start: 198 @31445 has 6 MA's), (Start: 219 @31487 has 1 MA's), (227, 31508), (328, 31754), (333, 31769), (341, 31796), (440, 31982), (450, 32009), (489, 32090), (555, 32240), (594, 32324), (634, 32444), (635, 32447), (649, 32507), (650, 32513), (667, 32558), (674, 32573), (675, 32588), (683, 32624), (686, 32633), (692, 32660), (726, 32753), (758, 32846), (793, 32924), (795, 32927), (828, 32996), (836, 33035), (855, 33077), (858, 33095), (874, 33155), (884, 33176),

Gene: WalterMcMickey_42 Start: 31053, Stop: 29218, Start Num: 181

Candidate Starts for WalterMcMickey_42:

(Start: 181 @31053 has 918 MA's), (214, 31002), (238, 30936), (273, 30849), (285, 30825), (299, 30789), (302, 30777), (323, 30720), (328, 30711), (358, 30627), (370, 30591), (374, 30579), (378, 30567), (438, 30474), (460, 30426), (489, 30366), (499, 30339), (548, 30237), (549, 30234), (560, 30213), (562, 30207), (618, 30099), (649, 29976), (665, 29928), (685, 29853), (692, 29823), (704, 29793), (706, 29784), (728, 29715), (729, 29712), (739, 29673), (750, 29649), (753, 29643), (757, 29631), (832, 29442), (839, 29418), (862, 29355), (874, 29307), (880, 29295), (884, 29286),

Gene: Wander_45 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for Wander_45:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: Warda_41 Start: 29679, Stop: 31544, Start Num: 181

Candidate Starts for Warda_41:

(Start: 181 @29679 has 918 MA's), (213, 29727), (311, 29976), (345, 30066), (440, 30273), (443, 30282), (484, 30372), (489, 30381), (494, 30396), (516, 30441), (539, 30486), (560, 30534), (586, 30591), (619, 30672), (649, 30792), (660, 30822), (677, 30879), (690, 30936), (692, 30945), (799, 31218), (828, 31281), (868, 31416), (874, 31440), (879, 31449),

Gene: Wardwill_39 Start: 27171, Stop: 25306, Start Num: 209

Candidate Starts for Wardwill_39:

(Start: 209 @27171 has 41 MA's), (214, 27165), (253, 27066), (255, 27057), (257, 27054), (267, 27033), (275, 27018), (277, 27012), (300, 26961), (302, 26958), (338, 26877), (367, 26787), (393, 26727), (398, 26724), (435, 26598), (437, 26595), (440, 26583), (451, 26553), (461, 26532), (480, 26496), (568, 26349), (639, 26181), (642, 26169), (685, 25989), (692, 25959), (711, 25905), (718, 25887), (735, 25830), (743, 25803), (755, 25761), (802, 25641), (804, 25632), (829, 25572), (833, 25548), (836, 25536), (839, 25527), (846, 25509), (857, 25476), (874, 25404),

Gene: Warrior24_48 Start: 30037, Stop: 28247, Start Num: 181

Candidate Starts for Warrior24_48:

(101, 30169), (Start: 181 @30037 has 918 MA's), (302, 29758), (303, 29755), (311, 29728), (323, 29701), (341, 29650), (378, 29548), (438, 29455), (453, 29416), (466, 29398), (549, 29209), (583, 29143), (619, 29083), (628, 29044), (644, 28993), (646, 28984), (649, 28963), (667, 28912), (676, 28879), (685, 28840), (692, 28810), (722, 28750), (728, 28729), (739, 28687), (751, 28660), (796, 28558), (828, 28495), (829, 28492), (874, 28336), (880, 28324), (885, 28312),

Gene: WaterT_64 Start: 38299, Stop: 36338, Start Num: 230

Candidate Starts for WaterT_64:

(Start: 230 @38299 has 5 MA's), (250, 38239), (282, 38179), (302, 38125), (315, 38080), (322, 38056), (327, 38050), (364, 37942), (368, 37930), (433, 37777), (440, 37756), (447, 37738), (453, 37723), (477, 37672), (485, 37651), (489, 37642), (497, 37621), (513, 37585), (526, 37561), (533, 37549), (584, 37411), (604, 37384), (619, 37351), (626, 37324), (630, 37306), (631, 37303), (635, 37291), (663, 37183), (686, 37099), (739, 36880), (748, 36835), (764, 36769), (773, 36727), (789, 36697), (813, 36646), (816, 36640), (823, 36616), (831, 36589), (832, 36577), (833, 36574), (853, 36520), (858, 36496), (860, 36490), (874, 36436), (888, 36406), (895, 36382),

Gene: Watermelon_46 Start: 35165, Stop: 33339, Start Num: 181

Candidate Starts for Watermelon_46:

(Start: 181 @35165 has 918 MA's), (277, 34952), (285, 34937), (311, 34859), (318, 34838), (323, 34832), (328, 34823), (369, 34706), (378, 34679), (438, 34586), (443, 34571), (483, 34487), (484, 34484), (514, 34418), (530, 34388), (542, 34358), (562, 34313), (583, 34274), (649, 34094), (665, 34046), (677, 34007), (692, 33941), (728, 33860), (729, 33857), (757, 33776), (828, 33626), (829, 33623), (836, 33587), (846, 33563), (852, 33554), (856, 33542), (874, 33467), (884, 33446),

Gene: Watson_48 Start: 31845, Stop: 30031, Start Num: 181

Candidate Starts for Watson_48:

(Start: 181 @31845 has 918 MA's), (206, 31806), (214, 31794), (273, 31641), (281, 31626), (302, 31569), (323, 31512), (328, 31503), (341, 31461), (360, 31410), (378, 31359), (438, 31266), (458, 31218), (466, 31209), (472, 31194), (489, 31155), (499, 31128), (514, 31098), (555, 31005), (562, 30993), (584, 30945), (595, 30930), (649, 30774), (677, 30687), (692, 30621), (706, 30582), (729, 30510), (739, 30471), (750, 30447), (757, 30429), (767, 30396), (782, 30369), (816, 30315), (832, 30255), (859, 30177), (874, 30120), (880, 30108), (884, 30099),

Gene: WeiHuaDA_48 Start: 32697, Stop: 30910, Start Num: 181

Candidate Starts for WeiHuaDA_48:

(Start: 181 @32697 has 918 MA's), (275, 32490), (277, 32484), (291, 32454), (301, 32424), (303, 32418), (311, 32391), (323, 32364), (332, 32343), (341, 32313), (374, 32223), (378, 32211), (438,

32118), (458, 32070), (466, 32061), (472, 32046), (499, 31980), (539, 31899), (560, 31851), (649, 31626), (667, 31575), (676, 31542), (677, 31539), (692, 31473), (706, 31434), (722, 31413), (745, 31338), (750, 31326), (753, 31320), (801, 31212), (828, 31158), (832, 31134), (855, 31077), (859, 31056), (874, 30999), (880, 30987), (885, 30975),

Gene: WestPM_35 Start: 27173, Stop: 25272, Start Num: 208

Candidate Starts for WestPM_35:

(Start: 208 @27173 has 4 MA's), (259, 27050), (275, 27020), (277, 27014), (298, 26972), (300, 26963), (329, 26906), (332, 26897), (335, 26885), (338, 26879), (410, 26678), (434, 26603), (437, 26594), (440, 26582), (451, 26552), (461, 26531), (468, 26519), (480, 26495), (570, 26345), (648, 26138), (654, 26084), (680, 25982), (683, 25961), (692, 25925), (705, 25889), (707, 25883), (735, 25796), (743, 25769), (787, 25637), (804, 25598), (817, 25577), (829, 25538), (833, 25514), (835, 25508), (844, 25481), (874, 25370),

Gene: Whabigail7_45 Start: 31605, Stop: 29818, Start Num: 181

Candidate Starts for Whabigail7_45:

(115, 31692), (Start: 181 @31605 has 918 MA's), (275, 31398), (277, 31392), (286, 31377), (291, 31362), (303, 31326), (311, 31299), (323, 31272), (332, 31251), (378, 31119), (438, 31026), (458, 30978), (466, 30969), (472, 30954), (499, 30888), (539, 30807), (560, 30759), (562, 30753), (595, 30690), (649, 30534), (667, 30483), (676, 30450), (677, 30447), (692, 30381), (706, 30342), (722, 30321), (745, 30246), (750, 30234), (767, 30183), (801, 30120), (816, 30102), (828, 30066), (832, 30042), (859, 29964), (874, 29907), (880, 29895), (884, 29886),

Gene: Wheeler_45 Start: 34873, Stop: 33047, Start Num: 181

Candidate Starts for Wheeler_45:

(Start: 181 @34873 has 918 MA's), (277, 34660), (285, 34645), (302, 34597), (311, 34567), (318, 34546), (323, 34540), (328, 34531), (369, 34414), (378, 34387), (438, 34294), (443, 34279), (458, 34246), (483, 34195), (484, 34192), (514, 34126), (530, 34096), (542, 34066), (562, 34021), (583, 33982), (649, 33802), (660, 33772), (665, 33754), (667, 33751), (677, 33715), (692, 33649), (728, 33568), (729, 33565), (757, 33484), (828, 33334), (829, 33331), (836, 33295), (846, 33271), (852, 33262), (856, 33250), (874, 33175), (884, 33154),

Gene: Whitspit_43 Start: 32592, Stop: 30766, Start Num: 181

Candidate Starts for Whitspit_43:

(Start: 181 @32592 has 918 MA's), (277, 32379), (285, 32364), (302, 32316), (311, 32286), (318, 32265), (323, 32259), (328, 32250), (358, 32166), (369, 32133), (378, 32106), (438, 32013), (443, 31998), (451, 31977), (458, 31965), (483, 31914), (484, 31911), (514, 31845), (530, 31815), (542, 31785), (562, 31740), (583, 31701), (649, 31521), (665, 31473), (677, 31434), (692, 31368), (706, 31329), (722, 31308), (728, 31287), (733, 31269), (757, 31203), (828, 31053), (829, 31050), (836, 31014), (846, 30990), (852, 30981), (856, 30969), (874, 30894), (884, 30873),

Gene: WideWale_45 Start: 31601, Stop: 29814, Start Num: 181

Candidate Starts for WideWale_45:

(Start: 181 @31601 has 918 MA's), (273, 31397), (275, 31394), (277, 31388), (291, 31358), (302, 31325), (303, 31322), (311, 31295), (323, 31268), (341, 31217), (378, 31115), (438, 31022), (458, 30974), (466, 30965), (472, 30950), (499, 30884), (539, 30803), (560, 30755), (628, 30611), (649, 30530), (667, 30479), (676, 30446), (692, 30377), (706, 30338), (722, 30317), (728, 30296), (731, 30284), (813, 30104), (816, 30098), (828, 30062), (832, 30038), (859, 29960), (874, 29903), (880, 29891),

Gene: Wiks_44 Start: 29422, Stop: 27581, Start Num: 181

Candidate Starts for Wiks_44:

(Start: 157 @29452 has 1 MA's), (Start: 181 @29422 has 918 MA's), (273, 29218), (302, 29143), (303, 29140), (311, 29113), (316, 29098), (323, 29086), (341, 29035), (374, 28945), (378, 28933), (438, 28840), (453, 28801), (466, 28783), (472, 28768), (499, 28702), (516, 28669), (517, 28666), (564, 28564), (595, 28504), (628, 28420), (649, 28339), (676, 28255), (677, 28252), (680, 28243), (685, 28216), (692, 28186), (722, 28126), (733, 28087), (828, 27871), (829, 27868), (832, 27847), (874, 27712), (880, 27700), (884, 27691), (885, 27688), (923, 27595),

Gene: Wilbur_45 Start: 31567, Stop: 29741, Start Num: 181

Candidate Starts for Wilbur_45:

(Start: 181 @31567 has 918 MA's), (195, 31546), (214, 31516), (224, 31486), (291, 31324), (298, 31306), (323, 31234), (328, 31225), (370, 31105), (378, 31081), (438, 30988), (460, 30940), (472, 30919), (489, 30880), (549, 30748), (560, 30727), (583, 30682), (586, 30670), (646, 30517), (649, 30496), (685, 30373), (692, 30343), (706, 30304), (728, 30238), (729, 30235), (733, 30220), (739, 30196), (750, 30172), (832, 29965), (874, 29830), (880, 29818), (884, 29809),

Gene: WildNOut_39 Start: 28934, Stop: 27069, Start Num: 211

Candidate Starts for WildNOut_39:

(Start: 211 @28934 has 115 MA's), (Start: 215 @28925 has 5 MA's), (255, 28820), (259, 28811), (275, 28781), (276, 28778), (332, 28658), (335, 28646), (338, 28640), (374, 28535), (384, 28508), (434, 28367), (435, 28361), (437, 28358), (440, 28346), (450, 28319), (451, 28316), (458, 28301), (461, 28295), (466, 28289), (481, 28256), (561, 28127), (584, 28067), (622, 27992), (685, 27752), (688, 27743), (689, 27740), (692, 27722), (707, 27680), (709, 27674), (712, 27665), (718, 27650), (735, 27593), (787, 27434), (802, 27404), (804, 27395), (829, 27335), (833, 27311), (846, 27272), (857, 27239), (858, 27227), (874, 27167),

Gene: Wildwest_40 Start: 29139, Stop: 30983, Start Num: 181

Candidate Starts for Wildwest_40:

(78, 28944), (106, 29022), (121, 29052), (Start: 181 @29139 has 918 MA's), (261, 29313), (273, 29343), (290, 29370), (311, 29436), (345, 29526), (440, 29712), (443, 29721), (455, 29751), (489, 29820), (494, 29835), (560, 29973), (619, 30111), (649, 30231), (677, 30318), (690, 30375), (692, 30384), (750, 30549), (828, 30720), (874, 30879), (879, 30888), (884, 30900),

Gene: Wile_44 Start: 31553, Stop: 29724, Start Num: 181

Candidate Starts for Wile_44:

(Start: 181 @31553 has 918 MA's), (214, 31502), (224, 31472), (291, 31310), (298, 31292), (302, 31277), (323, 31220), (328, 31211), (370, 31091), (378, 31067), (414, 31025), (438, 30974), (460, 30926), (472, 30905), (489, 30866), (506, 30821), (510, 30815), (549, 30734), (560, 30713), (583, 30668), (646, 30503), (649, 30482), (692, 30329), (706, 30290), (729, 30218), (733, 30203), (739, 30179), (748, 30161), (750, 30155), (753, 30149), (832, 29948), (874, 29813), (880, 29801), (884, 29792),

Gene: Wilkins_44 Start: 34221, Stop: 32395, Start Num: 181

Candidate Starts for Wilkins_44:

(Start: 181 @34221 has 918 MA's), (277, 34008), (285, 33993), (302, 33945), (311, 33915), (318, 33894), (323, 33888), (328, 33879), (369, 33762), (378, 33735), (438, 33642), (443, 33627), (483, 33543), (484, 33540), (514, 33474), (530, 33444), (542, 33414), (562, 33369), (583, 33330), (649, 33150), (665, 33102), (677, 33063), (692, 32997), (706, 32958), (722, 32937), (728, 32916), (733, 32898), (757, 32832), (828, 32682), (829, 32679), (836, 32643), (846, 32619), (852, 32610), (856, 32598), (867, 32550), (874, 32523), (884, 32502),

Gene: WilliamStrong_38 Start: 28667, Stop: 26775, Start Num: 209

Candidate Starts for WilliamStrong_38:

(Start: 209 @28667 has 41 MA's), (Start: 215 @28658 has 5 MA's), (247, 28571), (267, 28532), (275, 28517), (277, 28511), (300, 28460), (335, 28382), (338, 28376), (367, 28286), (415, 28154), (434, 28100), (437, 28091), (440, 28079), (451, 28049), (461, 28028), (466, 28022), (468, 28016), (470, 28013), (561, 27866), (582, 27821), (584, 27806), (633, 27695), (648, 27641), (649, 27629), (689, 27446), (692, 27428), (707, 27386), (718, 27356), (725, 27335), (735, 27299), (756, 27227), (787, 27140), (804, 27101), (829, 27041), (833, 27017), (851, 26969), (857, 26945), (874, 26873),

Gene: Winzigespinne_38 Start: 28618, Stop: 26753, Start Num: 211

Candidate Starts for Winzigespinne_38:

(Start: 140 @28705 has 3 MA's), (Start: 211 @28618 has 115 MA's), (Start: 215 @28609 has 5 MA's), (255, 28504), (259, 28495), (275, 28465), (276, 28462), (332, 28342), (335, 28330), (338, 28324), (374, 28219), (384, 28192), (434, 28051), (435, 28045), (437, 28042), (440, 28030), (450, 28003), (451, 28000), (458, 27985), (461, 27979), (466, 27973), (481, 27940), (584, 27751), (685, 27436), (688, 27427), (689, 27424), (692, 27406), (707, 27364), (709, 27358), (718, 27334), (735, 27277), (787, 27118), (802, 27088), (804, 27079), (829, 27019), (833, 26995), (846, 26956), (857, 26923), (858, 26911), (874, 26851),

Gene: Wizard007_45 Start: 31575, Stop: 29749, Start Num: 181

Candidate Starts for Wizard007_45:

(Start: 181 @31575 has 918 MA's), (195, 31554), (214, 31524), (224, 31494), (291, 31332), (298, 31314), (323, 31242), (328, 31233), (370, 31113), (378, 31089), (438, 30996), (460, 30948), (472, 30927), (489, 30888), (549, 30756), (560, 30735), (583, 30690), (586, 30678), (646, 30525), (649, 30504), (685, 30381), (692, 30351), (706, 30312), (728, 30246), (729, 30243), (733, 30228), (739, 30204), (750, 30180), (832, 29973), (874, 29838), (880, 29826), (884, 29817),

Gene: Wolfwood_42 Start: 32018, Stop: 29661, Start Num: 26

Candidate Starts for Wolfwood_42:

(24, 32027), (Start: 26 @32018 has 25 MA's), (31, 32003), (34, 31967), (58, 31832), (73, 31769), (99, 31715), (161, 31613), (165, 31610), (214, 31535), (238, 31475), (263, 31424), (284, 31382), (296, 31352), (299, 31343), (312, 31298), (329, 31277), (335, 31256), (357, 31193), (407, 31058), (412, 31043), (427, 30998), (456, 30914), (492, 30878), (570, 30785), (590, 30743), (596, 30740), (598, 30737), (614, 30713), (618, 30701), (621, 30689), (635, 30641), (653, 30548), (659, 30521), (692, 30386), (705, 30350), (707, 30344), (709, 30338), (711, 30332), (718, 30308), (729, 30275), (735, 30251), (745, 30206), (748, 30200), (768, 30140), (817, 30032), (834, 29966), (835, 29963), (838, 29951), (848, 29927), (868, 29849), (874, 29825), (896, 29756),

Gene: Wolpertinger_43 Start: 30332, Stop: 28545, Start Num: 181

Candidate Starts for Wolpertinger_43:

(Start: 181 @30332 has 918 MA's), (273, 30128), (302, 30056), (311, 30026), (323, 29999), (440, 29747), (466, 29696), (499, 29615), (523, 29570), (524, 29567), (560, 29486), (586, 29429), (617, 29387), (628, 29342), (649, 29261), (667, 29210), (677, 29174), (692, 29108), (722, 29048), (725, 29036), (760, 28934), (767, 28910), (777, 28892), (816, 28829), (825, 28802), (828, 28793), (832, 28769), (874, 28634), (880, 28622), (884, 28613),

Gene: Wooldri_50 Start: 31764, Stop: 29950, Start Num: 181

Candidate Starts for Wooldri_50:

(Start: 181 @31764 has 918 MA's), (206, 31725), (214, 31713), (273, 31560), (281, 31545), (302, 31488), (323, 31431), (328, 31422), (341, 31380), (360, 31329), (378, 31278), (438, 31185), (458, 31137), (466, 31128), (472, 31113), (489, 31074), (499, 31047), (514, 31017), (555, 30924), (584, 30864), (595, 30849), (649, 30693), (677, 30606), (692, 30540), (706, 30501), (729, 30429), (739, 30390), (750, 30366), (757, 30348), (767, 30315), (782, 30288), (816, 30234), (832, 30174), (859, 30096), (874, 30039), (880, 30027), (884, 30018),

Gene: WorldCup_43 Start: 30725, Stop: 28932, Start Num: 181

Candidate Starts for WorldCup_43:

(Start: 181 @30725 has 918 MA's), (187, 30716), (214, 30674), (244, 30587), (273, 30521), (277, 30512), (282, 30503), (289, 30485), (303, 30443), (311, 30416), (316, 30401), (323, 30389), (341, 30338), (378, 30236), (433, 30158), (438, 30143), (466, 30086), (514, 29975), (557, 29879), (586, 29816), (616, 29777), (618, 29771), (649, 29648), (680, 29552), (685, 29525), (692, 29495), (706, 29456), (728, 29414), (767, 29297), (813, 29222), (828, 29180), (859, 29078), (874, 29021), (880, 29009), (884, 29000),

Gene: WunderPhul_45 Start: 29420, Stop: 27579, Start Num: 181

Candidate Starts for WunderPhul_45:

(Start: 157 @29450 has 1 MA's), (Start: 181 @29420 has 918 MA's), (273, 29216), (302, 29141), (303, 29138), (311, 29111), (316, 29096), (323, 29084), (341, 29033), (374, 28943), (378, 28931), (438, 28838), (453, 28799), (466, 28781), (472, 28766), (499, 28700), (516, 28667), (517, 28664), (564, 28562), (595, 28502), (628, 28418), (649, 28337), (676, 28253), (677, 28250), (680, 28241), (685, 28214), (692, 28184), (722, 28124), (733, 28085), (828, 27869), (829, 27866), (832, 27845), (874, 27710), (880, 27698), (884, 27689), (885, 27686), (923, 27593),

Gene: Xebius_38 Start: 28720, Stop: 26855, Start Num: 209

Candidate Starts for Xebius_38:

(Start: 209 @28720 has 41 MA's), (227, 28675), (247, 28621), (277, 28561), (300, 28510), (335, 28432), (338, 28426), (351, 28381), (353, 28378), (367, 28336), (393, 28276), (434, 28153), (437, 28144), (440, 28132), (444, 28120), (451, 28102), (461, 28081), (468, 28069), (480, 28045), (568, 27898), (639, 27730), (680, 27565), (688, 27529), (692, 27508), (707, 27466), (735, 27379), (745, 27334), (781, 27235), (802, 27190), (804, 27181), (829, 27121), (833, 27097), (844, 27064), (874, 26953),

Gene: Xena_43 Start: 31519, Stop: 29690, Start Num: 181

Candidate Starts for Xena_43:

(Start: 181 @31519 has 918 MA's), (214, 31468), (224, 31438), (291, 31276), (298, 31258), (302, 31243), (323, 31186), (328, 31177), (370, 31057), (378, 31033), (414, 30991), (438, 30940), (460, 30892), (472, 30871), (489, 30832), (506, 30787), (510, 30781), (549, 30700), (560, 30679), (583, 30634), (646, 30469), (649, 30448), (692, 30295), (706, 30256), (729, 30184), (733, 30169), (739, 30145), (748, 30127), (750, 30121), (753, 30115), (832, 29914), (874, 29779), (880, 29767), (884, 29758),

Gene: XianYue_44 Start: 31263, Stop: 29476, Start Num: 181

Candidate Starts for XianYue_44:

(Start: 181 @31263 has 918 MA's), (273, 31059), (275, 31056), (277, 31050), (291, 31020), (299, 30999), (302, 30987), (311, 30957), (323, 30930), (332, 30909), (378, 30777), (438, 30684), (466, 30627), (472, 30612), (499, 30546), (539, 30465), (560, 30417), (596, 30345), (649, 30192), (667, 30141), (676, 30108), (677, 30105), (692, 30039), (706, 30000), (722, 29979), (745, 29904), (750, 29892), (753, 29886), (767, 29841), (801, 29778), (828, 29724), (832, 29700), (859, 29622), (874, 29565), (880, 29553), (884, 29544),

Gene: Xkcd426_52 Start: 45445, Stop: 43514, Start Num: 232

Candidate Starts for Xkcd426_52:

(Start: 232 @45445 has 11 MA's), (279, 45334), (281, 45331), (291, 45307), (293, 45304), (310, 45244), (393, 44998), (411, 44968), (413, 44959), (422, 44929), (437, 44890), (456, 44839), (484, 44776), (489, 44767), (502, 44728), (539, 44659), (586, 44527), (623, 44437), (628, 44419), (633, 44404), (638, 44392), (650, 44335), (656, 44320), (678, 44242), (685, 44209), (693, 44176), (696, 44155), (700, 44137), (715, 44095), (739, 44002), (748, 43984), (750, 43978), (753, 43972), (761, 43948), (813, 43816), (832, 43747), (833, 43744), (859, 43672), (868, 43639), (874, 43615),

Gene: YDN12_50 Start: 39191, Stop: 37182, Start Num: 232

Candidate Starts for YDN12_50:

(Start: 208 @39257 has 4 MA's), (210, 39254), (Start: 232 @39191 has 11 MA's), (261, 39122), (310, 38990), (312, 38984), (332, 38930), (335, 38918), (338, 38912), (344, 38891), (352, 38867), (375, 38807), (394, 38741), (437, 38588), (447, 38561), (455, 38540), (472, 38504), (484, 38474), (494, 38450), (499, 38438), (502, 38426), (539, 38357), (579, 38246), (638, 38090), (650, 38033), (658, 38012), (672, 37970), (678, 37940), (685, 37907), (693, 37874), (696, 37853), (700, 37835), (739, 37670), (748, 37652), (753, 37640), (758, 37625), (761, 37616), (813, 37484), (828, 37439), (832, 37415), (833, 37412), (859, 37340), (868, 37307), (874, 37283), (884, 37262), (893, 37235),

Gene: Yakult_46 Start: 33938, Stop: 31554, Start Num: 26

Candidate Starts for Yakult_46:

(Start: 26 @33938 has 25 MA's), (Start: 32 @33908 has 1 MA's), (49, 33824), (52, 33794), (73, 33686), (80, 33665), (164, 33527), (Start: 172 @33512 has 3 MA's), (204, 33464), (238, 33389), (239, 33383), (240, 33377), (242, 33371), (274, 33302), (287, 33278), (295, 33257), (296, 33254), (299, 33245), (329, 33179), (335, 33158), (351, 33107), (391, 33011), (409, 32957), (427, 32897), (434, 32876), (454, 32819), (456, 32813), (496, 32768), (552, 32720), (558, 32708), (596, 32636), (618, 32594), (621, 32582), (648, 32483), (653, 32441), (656, 32417), (672, 32366), (692, 32273), (705, 32237), (707, 32231), (709, 32225), (711, 32219), (729, 32162), (735, 32138), (787, 31979), (797, 31958), (817, 31919), (829, 31880), (832, 31859), (838, 31838), (842, 31826), (851, 31808), (862, 31760), (874, 31712), (880, 31688), (889, 31667), (922, 31580),

Gene: Yang_41 Start: 29089, Stop: 31023, Start Num: 126

Candidate Starts for Yang_41:

(Start: 126 @29089 has 1 MA's), (Start: 181 @29158 has 918 MA's), (213, 29206), (311, 29455), (358, 29575), (440, 29752), (443, 29761), (489, 29860), (494, 29875), (499, 29887), (560, 30013), (619, 30151), (649, 30271), (677, 30358), (690, 30415), (692, 30424), (703, 30448), (754, 30598), (828, 30760), (874, 30919),

Gene: Yappy_80 Start: 40185, Stop: 38026, Start Num: 160

Candidate Starts for Yappy_80:

(Start: 160 @40185 has 1 MA's), (187, 40149), (195, 40137), (199, 40128), (Start: 211 @40113 has 115 MA's), (222, 40083), (243, 40014), (248, 39999), (274, 39933), (296, 39885), (297, 39882), (308, 39846), (311, 39840), (312, 39837), (320, 39804), (341, 39741), (357, 39696), (372, 39654), (393, 39588), (402, 39534), (445, 39393), (469, 39339), (475, 39321), (498, 39261), (553, 39138), (588, 39027), (607, 38997), (624, 38949), (635, 38913), (642, 38898), (683, 38700), (685, 38694), (686, 38691), (702, 38640), (708, 38616), (732, 38523), (809, 38331), (811, 38328), (834, 38250), (862, 38160), (868, 38136), (874, 38112), (892, 38052),

Gene: Yarn_40 Start: 32156, Stop: 29769, Start Num: 26

Candidate Starts for Yarn_40:

(10, 32228), (11, 32213), (Start: 26 @32156 has 25 MA's), (29, 32147), (31, 32141), (43, 32060), (64, 31940), (73, 31889), (Start: 142 @31757 has 1 MA's), (164, 31730), (217, 31637), (238, 31592), (274, 31514), (296, 31466), (312, 31412), (313, 31409), (329, 31391), (335, 31370), (351, 31319), (355, 31310), (357, 31307), (384, 31232), (404, 31187), (422, 31127), (427, 31112), (456, 31028), (496, 30983), (519, 30959), (542, 30953), (552, 30929), (556, 30920), (590, 30851), (596, 30848), (598, 30845), (648, 30698), (659, 30629), (683, 30530), (692, 30494), (705, 30458), (707, 30452), (709, 30446), (711, 30440), (718, 30416), (729, 30383), (735, 30359), (745, 30314), (766, 30254), (837, 30062), (838, 30059), (874, 29933), (889, 29888), (891, 29879),

Gene: Yecey3_46 Start: 30987, Stop: 29194, Start Num: 181

Candidate Starts for Yecey3_46:

(Start: 181 @30987 has 918 MA's), (187, 30978), (273, 30783), (289, 30747), (291, 30741), (302, 30708), (311, 30678), (323, 30651), (328, 30642), (378, 30498), (438, 30405), (514, 30237), (549, 30159), (616, 30039), (618, 30033), (649, 29910), (674, 29844), (685, 29787), (689, 29775), (692, 29757), (725, 29685), (728, 29676), (816, 29478), (832, 29418), (859, 29340), (874, 29283), (880, 29271), (894, 29232),

Gene: Yeezus_55 Start: 36878, Stop: 34710, Start Num: 158

Candidate Starts for Yeezus_55:

(155, 36881), (Start: 158 @36878 has 13 MA's), (195, 36824), (Start: 230 @36740 has 5 MA's), (289, 36587), (293, 36578), (306, 36533), (328, 36455), (330, 36446), (335, 36431), (341, 36416), (342, 36413), (362, 36356), (393, 36263), (401, 36221), (469, 36026), (473, 36014), (475, 36008), (486, 35984), (493, 35963), (501, 35942), (505, 35927), (509, 35921), (541, 35858), (562, 35807), (587, 35720), (616, 35660), (628, 35612), (652, 35510), (655, 35504), (669, 35477), (670, 35474), (676, 35453), (686, 35411), (688, 35405), (693, 35381), (707, 35339), (708, 35336), (716, 35309), (723, 35276), (727, 35264), (736, 35228), (745, 35204), (748, 35198), (750, 35192), (768, 35138), (792, 35090), (795, 35087), (820, 35027), (828, 35003), (834, 34973), (854, 34919), (871, 34850), (874, 34838), (885, 34799),

Gene: YesChef_41 Start: 29651, Stop: 31516, Start Num: 181

Candidate Starts for YesChef_41:

(Start: 181 @29651 has 918 MA's), (213, 29699), (311, 29948), (345, 30038), (440, 30245), (443, 30254), (484, 30344), (489, 30353), (494, 30368), (516, 30413), (539, 30458), (560, 30506), (586, 30563), (619, 30644), (643, 30731), (649, 30764), (660, 30794), (677, 30851), (692, 30917), (703, 30941), (726, 31010), (750, 31082), (754, 31091), (799, 31190), (828, 31253), (832, 31277), (868, 31388), (874, 31412), (879, 31421),

Gene: YoSam321_45 Start: 31564, Stop: 29738, Start Num: 181

Candidate Starts for YoSam321_45:

(Start: 181 @31564 has 918 MA's), (195, 31543), (214, 31513), (224, 31483), (291, 31321), (298, 31303), (323, 31231), (328, 31222), (370, 31102), (378, 31078), (438, 30985), (460, 30937), (472, 30916), (489, 30877), (549, 30745), (560, 30724), (583, 30679), (586, 30667), (646, 30514), (649, 30493), (685, 30370), (692, 30340), (706, 30301), (728, 30235), (729, 30232), (733, 30217), (739, 30193), (750, 30169), (832, 29962), (874, 29827), (880, 29815), (884, 29806),

Gene: Yogi_36 Start: 28087, Stop: 26303, Start Num: 181

Candidate Starts for Yogi_36:

(Start: 181 @28087 has 918 MA's), (288, 27853), (299, 27823), (301, 27814), (302, 27811), (316, 27766), (323, 27754), (328, 27745), (341, 27703), (378, 27601), (391, 27580), (438, 27508), (455, 27463), (458, 27460), (480, 27418), (482, 27412), (489, 27397), (499, 27370), (549, 27265), (562, 27238), (583, 27199), (649, 27019), (665, 26971), (692, 26866), (693, 26863), (722, 26806), (728, 26785), (741, 26737), (769, 26662), (813, 26593), (828, 26551), (832, 26527), (859, 26449), (874, 26392), (880, 26380), (900, 26323),

Gene: Yokurt_45 Start: 29422, Stop: 27581, Start Num: 181

Candidate Starts for Yokurt_45:

(Start: 157 @29452 has 1 MA's), (Start: 181 @29422 has 918 MA's), (273, 29218), (302, 29143), (303, 29140), (311, 29113), (316, 29098), (323, 29086), (341, 29035), (374, 28945), (378, 28933), (438, 28840), (453, 28801), (466, 28783), (472, 28768), (499, 28702), (516, 28669), (517, 28666), (564, 28564), (595, 28504), (628, 28420), (649, 28339), (676, 28255), (677, 28252), (680, 28243), (685, 28216), (692, 28186), (722, 28126), (733, 28087), (828, 27871), (829, 27868), (832, 27847), (874, 27712), (880, 27700), (884, 27691), (885, 27688), (923, 27595),

Gene: Yoncess_36 Start: 28088, Stop: 26304, Start Num: 181

Candidate Starts for Yoncess_36:

(Start: 181 @28088 has 918 MA's), (288, 27854), (299, 27824), (301, 27815), (302, 27812), (316, 27767), (323, 27755), (341, 27704), (378, 27602), (391, 27581), (438, 27509), (455, 27464), (458, 27461), (480, 27419), (482, 27413), (483, 27410), (489, 27398), (499, 27371), (528, 27317), (549, 27266), (562, 27239), (583, 27200), (649, 27020), (665, 26972), (692, 26867), (693, 26864), (722, 26807), (728, 26786), (741, 26738), (769, 26663), (813, 26594), (828, 26552), (832, 26528), (859, 26450), (874, 26393), (880, 26381), (900, 26324),

Gene: Yucky_47 Start: 34461, Stop: 32086, Start Num: 27

Candidate Starts for Yucky_47:

(Start: 27 @34461 has 14 MA's), (36, 34401), (46, 34359), (52, 34320), (73, 34200), (80, 34179), (97, 34155), (136, 34077), (Start: 140 @34071 has 3 MA's), (Start: 142 @34068 has 1 MA's), (165, 34038), (196, 33990), (214, 33963), (Start: 215 @33960 has 5 MA's), (238, 33903), (255, 33864), (265, 33843), (287, 33801), (296, 33777), (299, 33768), (300, 33762), (302, 33756), (312, 33723), (329, 33702), (335, 33681), (404, 33498), (405, 33492), (427, 33423), (440, 33381), (496, 33294), (542, 33270), (552, 33246), (566, 33216), (596, 33165), (598, 33162), (606, 33147), (617, 33126), (649, 33000), (656, 32952), (659, 32943), (672, 32901), (692, 32808), (705, 32772), (707, 32766), (709, 32760), (711, 32754), (729, 32697), (735, 32673), (766, 32568), (767, 32565), (806, 32472), (817, 32454), (829, 32415), (838, 32373), (848, 32349), (857, 32319), (868, 32271), (874, 32247), (922, 32115),

Gene: Yummy_45 Start: 32562, Stop: 30172, Start Num: 20

Candidate Starts for Yummy_45:

(Start: 20 @32562 has 19 MA's), (36, 32499), (41, 32481), (43, 32466), (52, 32412), (53, 32400), (55, 32379), (64, 32346), (69, 32319), (73, 32295), (90, 32268), (Start: 142 @32163 has 1 MA's), (176, 32115), (238, 31998), (274, 31917), (288, 31890), (296, 31869), (312, 31815), (313, 31812), (329, 31794), (335, 31773), (355, 31713), (427, 31515), (440, 31473), (496, 31386), (519, 31362), (542, 31356), (566, 31302), (570, 31296), (590, 31254), (596, 31251), (598, 31248), (648, 31101), (653, 31059), (659, 31032), (672, 30990), (692, 30897), (705, 30861), (707, 30855), (709, 30849), (711, 30843), (718, 30819), (729, 30786), (735, 30762), (745, 30717), (766, 30657), (829, 30504), (874, 30336), (889, 30291), (891, 30282), (894, 30273),

Gene: YuyuY_37 Start: 29162, Stop: 27261, Start Num: 209

Candidate Starts for YuyuY_37:

(Start: 209 @29162 has 41 MA's), (267, 29024), (275, 29009), (277, 29003), (291, 28976), (300, 28952), (312, 28916), (335, 28874), (338, 28868), (354, 28817), (367, 28778), (393, 28718), (415, 28649), (434, 28592), (437, 28583), (440, 28571), (451, 28541), (470, 28505), (568, 28337), (584, 28292), (633, 28181), (682, 27956), (683, 27950), (686, 27941), (692, 27914), (735, 27785), (748, 27734), (829, 27527), (833, 27503), (844, 27470), (846, 27464), (874, 27359),

Gene: Zada_39 Start: 28906, Stop: 27041, Start Num: 211

Candidate Starts for Zada_39:

(Start: 140 @28993 has 3 MA's), (Start: 142 @28990 has 1 MA's), (Start: 211 @28906 has 115 MA's), (Start: 215 @28897 has 5 MA's), (255, 28792), (259, 28783), (275, 28753), (276, 28750), (332, 28630), (335, 28618), (338, 28612), (374, 28507), (384, 28480), (434, 28339), (435, 28333), (437, 28330), (440, 28318), (450, 28291), (451, 28288), (458, 28273), (461, 28267), (466, 28261), (481, 28228), (561, 28099), (584, 28039), (685, 27724), (688, 27715), (689, 27712), (692, 27694), (707, 27652), (709, 27646), (712, 27637), (718, 27622), (735, 27565), (787, 27406), (802, 27376), (804, 27367), (829, 27307), (833, 27283), (846, 27244), (857, 27211), (858, 27199), (874, 27139),

Gene: Zaka_45 Start: 29422, Stop: 27581, Start Num: 181

Candidate Starts for Zaka_45:

(Start: 157 @29452 has 1 MA's), (Start: 181 @29422 has 918 MA's), (273, 29218), (302, 29143), (303, 29140), (311, 29113), (316, 29098), (323, 29086), (341, 29035), (374, 28945), (378, 28933), (438,

28840), (453, 28801), (466, 28783), (472, 28768), (499, 28702), (516, 28669), (517, 28666), (564, 28564), (595, 28504), (628, 28420), (649, 28339), (676, 28255), (677, 28252), (680, 28243), (685, 28216), (692, 28186), (722, 28126), (733, 28087), (828, 27871), (829, 27868), (832, 27847), (874, 27712), (880, 27700), (884, 27691), (885, 27688), (923, 27595),

Gene: Zarafa_45 Start: 31444, Stop: 29606, Start Num: 181

Candidate Starts for Zarafa_45:

(133, 31516), (Start: 181 @31444 has 918 MA's), (214, 31393), (273, 31240), (299, 31180), (302, 31168), (323, 31111), (328, 31102), (332, 31090), (370, 30982), (378, 30958), (438, 30862), (460, 30814), (489, 30754), (517, 30691), (549, 30622), (560, 30601), (595, 30532), (598, 30526), (618, 30487), (649, 30364), (677, 30277), (685, 30241), (692, 30211), (704, 30181), (729, 30100), (739, 30061), (750, 30037), (757, 30019), (816, 29890), (832, 29830), (874, 29695), (880, 29683), (884, 29674),

Gene: Zareef_40 Start: 32040, Stop: 29683, Start Num: 26

Candidate Starts for Zareef_40:

(24, 32049), (Start: 26 @32040 has 25 MA's), (31, 32025), (34, 31989), (58, 31854), (73, 31791), (94, 31749), (99, 31737), (161, 31635), (165, 31632), (214, 31557), (229, 31518), (238, 31497), (263, 31446), (284, 31404), (296, 31374), (312, 31320), (329, 31299), (335, 31278), (357, 31215), (407, 31080), (412, 31065), (421, 31038), (427, 31020), (456, 30936), (492, 30900), (570, 30807), (590, 30765), (596, 30762), (598, 30759), (614, 30735), (618, 30723), (621, 30711), (653, 30570), (659, 30543), (692, 30408), (705, 30372), (707, 30366), (709, 30360), (711, 30354), (718, 30330), (729, 30297), (735, 30273), (745, 30228), (748, 30222), (768, 30162), (817, 30054), (835, 29985), (838, 29973), (848, 29949), (868, 29871), (874, 29847), (896, 29778),

Gene: Zayuliv_37 Start: 27590, Stop: 25725, Start Num: 209

Candidate Starts for Zayuliv_37:

(Start: 209 @27590 has 41 MA's), (214, 27584), (253, 27485), (255, 27476), (267, 27452), (275, 27437), (277, 27431), (300, 27380), (302, 27377), (338, 27296), (393, 27146), (398, 27143), (427, 27044), (435, 27017), (437, 27014), (440, 27002), (451, 26972), (461, 26951), (480, 26915), (568, 26768), (642, 26588), (685, 26408), (692, 26378), (711, 26324), (718, 26306), (735, 26249), (743, 26222), (755, 26180), (802, 26060), (804, 26051), (829, 25991), (833, 25967), (836, 25955), (839, 25946), (846, 25928), (857, 25895), (874, 25823),

Gene: Zeeculate_43 Start: 34848, Stop: 33013, Start Num: 181

Candidate Starts for Zeeculate_43:

(Start: 181 @34848 has 918 MA's), (259, 34677), (285, 34620), (311, 34542), (318, 34521), (323, 34515), (328, 34506), (360, 34413), (369, 34389), (378, 34362), (438, 34269), (443, 34254), (458, 34221), (483, 34170), (484, 34167), (514, 34101), (530, 34071), (542, 34041), (562, 33996), (583, 33957), (649, 33777), (660, 33747), (665, 33729), (677, 33690), (692, 33624), (728, 33543), (729, 33540), (757, 33459), (828, 33309), (829, 33306), (836, 33270), (846, 33246), (856, 33225), (874, 33150), (884, 33129),

Gene: Zenitsu_38 Start: 28753, Stop: 26888, Start Num: 209

Candidate Starts for Zenitsu_38:

(Start: 209 @28753 has 41 MA's), (247, 28654), (277, 28594), (300, 28543), (335, 28465), (338, 28459), (351, 28414), (353, 28411), (354, 28408), (367, 28369), (393, 28309), (434, 28186), (437, 28177), (440, 28165), (444, 28153), (451, 28135), (461, 28114), (468, 28102), (568, 27931), (639, 27763), (680, 27598), (688, 27562), (692, 27541), (707, 27499), (735, 27412), (745, 27367), (781, 27268), (802, 27223), (829, 27154), (833, 27130), (844, 27097), (874, 26986),

Gene: Zephyr_44 Start: 34559, Stop: 32733, Start Num: 181

Candidate Starts for Zephyr_44:

(Start: 181 @34559 has 918 MA's), (259, 34388), (277, 34346), (285, 34331), (302, 34283), (311, 34253), (318, 34232), (323, 34226), (328, 34217), (369, 34100), (378, 34073), (438, 33980), (443, 33965), (483, 33881), (484, 33878), (514, 33812), (530, 33782), (542, 33752), (562, 33707), (583, 33668), (649, 33488), (660, 33458), (665, 33440), (677, 33401), (692, 33335), (728, 33254), (729, 33251), (757, 33170), (828, 33020), (829, 33017), (836, 32981), (846, 32957), (852, 32948), (856, 32936), (874, 32861), (884, 32840),

Gene: Zepp_38 Start: 27049, Stop: 25184, Start Num: 209

Candidate Starts for Zepp_38:

(Start: 209 @27049 has 41 MA's), (214, 27043), (253, 26944), (255, 26935), (267, 26911), (275, 26896), (277, 26890), (300, 26839), (302, 26836), (338, 26755), (358, 26695), (393, 26605), (398, 26602), (427, 26503), (435, 26476), (437, 26473), (440, 26461), (451, 26431), (461, 26410), (480, 26374), (568, 26227), (642, 26047), (685, 25867), (692, 25837), (711, 25783), (718, 25765), (735, 25708), (743, 25681), (755, 25639), (802, 25519), (804, 25510), (829, 25450), (833, 25426), (836, 25414), (839, 25405), (846, 25387), (857, 25354), (874, 25282),

Gene: Zeta1847_40 Start: 29119, Stop: 31065, Start Num: 180

Candidate Starts for Zeta1847_40:

(96, 28978), (111, 29005), (137, 29059), (139, 29062), (Start: 180 @29119 has 21 MA's), (213, 29167), (235, 29227), (256, 29284), (261, 29293), (273, 29323), (300, 29380), (303, 29389), (332, 29464), (377, 29593), (433, 29692), (440, 29713), (482, 29806), (489, 29821), (494, 29836), (560, 29974), (588, 30040), (618, 30112), (649, 30235), (657, 30256), (683, 30352), (685, 30358), (711, 30442), (733, 30505), (739, 30529), (748, 30547), (758, 30574), (812, 30679), (829, 30727), (846, 30787), (874, 30883), (892, 30928),

Gene: Zetzy_47 Start: 31416, Stop: 29602, Start Num: 181

Candidate Starts for Zetzy_47:

(Start: 181 @31416 has 918 MA's), (206, 31377), (214, 31365), (273, 31212), (281, 31197), (302, 31140), (323, 31083), (328, 31074), (341, 31032), (360, 30981), (378, 30930), (438, 30837), (458, 30789), (466, 30780), (472, 30765), (489, 30726), (499, 30699), (514, 30669), (549, 30591), (555, 30576), (584, 30516), (595, 30501), (649, 30345), (676, 30261), (677, 30258), (692, 30192), (706, 30153), (729, 30081), (739, 30042), (750, 30018), (757, 30000), (767, 29967), (782, 29940), (816, 29886), (832, 29826), (874, 29691), (880, 29679), (884, 29670),

Gene: Zeuska_44 Start: 34791, Stop: 32962, Start Num: 181

Candidate Starts for Zeuska_44:

(Start: 181 @34791 has 918 MA's), (277, 34578), (285, 34563), (302, 34515), (311, 34485), (318, 34464), (323, 34458), (328, 34449), (369, 34332), (378, 34305), (438, 34212), (443, 34197), (458, 34164), (483, 34113), (484, 34110), (514, 34044), (530, 34014), (542, 33984), (562, 33939), (583, 33900), (649, 33720), (665, 33672), (680, 33624), (689, 33585), (692, 33567), (706, 33528), (722, 33507), (728, 33486), (732, 33471), (779, 33348), (853, 33177), (858, 33153), (871, 33105), (874, 33093), (884, 33072), (887, 33066), (903, 33018), (908, 33003),

Gene: Zimmer_42 Start: 32129, Stop: 30285, Start Num: 181

Candidate Starts for Zimmer_42:

(93, 32273), (109, 32246), (Start: 181 @32129 has 918 MA's), (244, 31991), (261, 31955), (273, 31925), (291, 31883), (303, 31847), (318, 31799), (323, 31793), (332, 31772), (374, 31652), (378, 31640), (438, 31547), (441, 31538), (458, 31499), (466, 31490), (472, 31475), (499, 31409), (524, 31361), (553, 31292), (595, 31211), (617, 31169), (628, 31124), (638, 31097), (649, 31043), (667, 30992), (677, 30956), (692, 30890), (706, 30851), (722, 30830), (728, 30809), (767, 30692), (801, 30629), (828, 30575), (829, 30572), (832, 30551), (855, 30494), (859, 30473), (874, 30416), (880, 30404), (900, 30347),

Gene: Zolita_39 Start: 31121, Stop: 29256, Start Num: 181

Candidate Starts for Zolita_39:

(Start: 181 @31121 has 918 MA's), (214, 31070), (236, 31010), (261, 30947), (273, 30917), (275, 30914), (299, 30857), (311, 30815), (323, 30788), (378, 30635), (438, 30539), (450, 30506), (458, 30491), (497, 30407), (499, 30401), (516, 30368), (555, 30281), (562, 30269), (583, 30230), (614, 30170), (649, 30035), (660, 30005), (665, 29987), (676, 29951), (677, 29948), (692, 29882), (706, 29843), (728, 29801), (733, 29783), (750, 29735), (753, 29729), (767, 29684), (796, 29630), (801, 29621), (816, 29603), (837, 29525), (858, 29468), (868, 29432), (874, 29408), (880, 29396), (933, 29264),

Gene: Zooman_100 Start: 78594, Stop: 76723, Start Num: 177

Candidate Starts for Zooman_100:

(135, 78654), (138, 78648), (153, 78624), (159, 78615), (Start: 168 @78606 has 7 MA's), (Start: 177 @78594 has 3 MA's), (259, 78393), (289, 78333), (295, 78318), (335, 78210), (338, 78204), (376, 78111), (382, 78093), (420, 78066), (441, 78018), (476, 77934), (489, 77907), (516, 77847), (533, 77814), (550, 77772), (583, 77709), (596, 77682), (610, 77661), (649, 77520), (666, 77469), (682, 77406), (704, 77322), (708, 77307), (711, 77298), (737, 77211), (739, 77202), (754, 77169), (820, 77013), (853, 76917), (859, 76890), (864, 76869), (874, 76833),

Gene: Zuko_78 Start: 57486, Stop: 60083, Start Num: 7

Candidate Starts for Zuko_78:

(Start: 7 @57486 has 1 MA's), (12, 57528), (15, 57549), (17, 57558), (Start: 21 @57591 has 1 MA's), (44, 57720), (Start: 45 @57726 has 1 MA's), (66, 57849), (83, 57927), (110, 57990), (Start: 126 @58023 has 1 MA's), (132, 58032), (178, 58110), (187, 58122), (Start: 215 @58167 has 5 MA's), (238, 58236), (244, 58257), (312, 58416), (326, 58431), (335, 58458), (355, 58518), (359, 58530), (385, 58578), (427, 58695), (492, 58815), (585, 58995), (596, 59010), (598, 59013), (633, 59103), (645, 59148), (659, 59232), (678, 59304), (685, 59337), (692, 59367), (705, 59403), (707, 59409), (709, 59415), (711, 59421), (729, 59478), (735, 59502), (778, 59643), (797, 59682), (832, 59781), (837, 59799), (848, 59826), (865, 59895), (870, 59913), (874, 59928), (887, 59967), (889, 59973), (905, 60021),

Gene: Zulu_46 Start: 29773, Stop: 27932, Start Num: 181

Candidate Starts for Zulu_46:

(Start: 157 @29803 has 1 MA's), (Start: 181 @29773 has 918 MA's), (273, 29569), (302, 29494), (303, 29491), (311, 29464), (316, 29449), (323, 29437), (341, 29386), (374, 29296), (378, 29284), (438, 29191), (453, 29152), (466, 29134), (472, 29119), (499, 29053), (516, 29020), (517, 29017), (564, 28915), (595, 28855), (628, 28771), (649, 28690), (676, 28606), (677, 28603), (680, 28594), (685, 28567), (692, 28537), (722, 28477), (733, 28438), (828, 28222), (829, 28219), (832, 28198), (874, 28063), (880, 28051), (884, 28042), (885, 28039), (923, 27946),

Gene: phiBT1_11 Start: 28224, Stop: 30098, Start Num: 181

Candidate Starts for phiBT1_11:

(Start: 181 @28224 has 918 MA's), (224, 28305), (238, 28338), (273, 28425), (307, 28512), (311, 28527), (318, 28548), (328, 28563), (377, 28704), (434, 28785), (440, 28803), (466, 28860), (483, 28902), (489, 28914), (496, 28932), (512, 28968), (549, 29046), (554, 29058), (560, 29067), (583, 29112), (586, 29124), (591, 29136), (625, 29232), (640, 29274), (649, 29325), (665, 29376), (683, 29448), (685, 29454), (686, 29457), (689, 29466), (692, 29484), (705, 29550), (725, 29604), (795, 29781), (799, 29787), (820, 29829), (825, 29841), (832, 29874), (836, 29889), (839, 29898), (853, 29925), (859, 29952), (874, 30009), (878, 30015), (884, 30030),

Gene: phiSASD1_12 Start: 28284, Stop: 30140, Start Num: 181

Candidate Starts for phiSASD1_12:

(Start: 181 @28284 has 918 MA's), (213, 28332), (214, 28335), (288, 28530), (326, 28638), (347, 28701), (440, 28881), (466, 28938), (480, 28971), (489, 28992), (539, 29097), (583, 29190), (588, 29208), (635, 29343), (646, 29382), (649, 29403), (650, 29409), (665, 29451), (677, 29490), (678, 29493), (682, 29514), (685, 29526), (686, 29529), (692, 29556), (711, 29610), (739, 29697), (758, 29742), (793, 29820), (839, 29940), (858, 29991), (874, 30051),