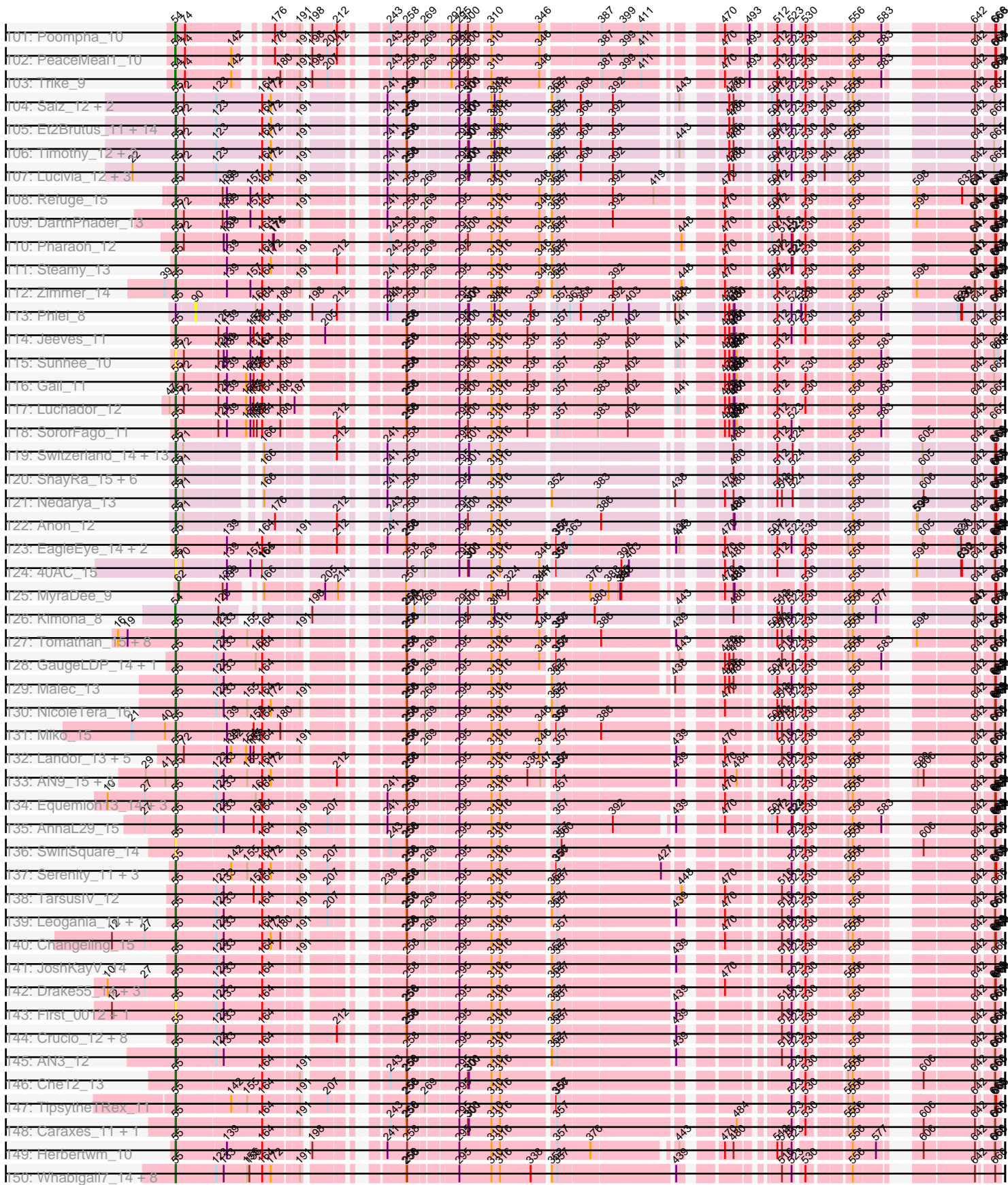


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51: IgnatiusPatJac_10 + 1	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
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57: Peterson_14	61		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
58: Kennech_14	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
59: MaryBeth_11 + 2	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
60: Seanderson_12 + 2	54			198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
61: Barriga_11	54			198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
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65: NEHalo_11	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
66: ProMouse_10	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
67: Chanagan_10	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
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69: Ciao_11	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
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71: DreamCatcher_14	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
72: Raid_12	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
73: Pari_12	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
74: Lamina13_11	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
75: Manatee_12	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
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79: Mryoio_10	6		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
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82: Peily_12	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
83: PherisBuelier_12 + 1	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
84: Kugel_12	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
85: Tasp14_12	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
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89: Norz_13	54		169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
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91: Eaglepride_12	54	142	169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
92: Drake94_10	54	142	169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
93: Shapes_14 + 3	54	142	169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
94: Chupacabra_11	54	142	169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
95: Rebeuca_12 + 1	54	142	169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
96: KittenMittens_10	54	142	169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
97: DontArgue_10	54	142	169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
98: Topanga_11 + 3	54	142	169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
99: Goose_11 + 1	54	142	169	198	258	267	295	310	310	380	380	443	443	443	530	536	598	627
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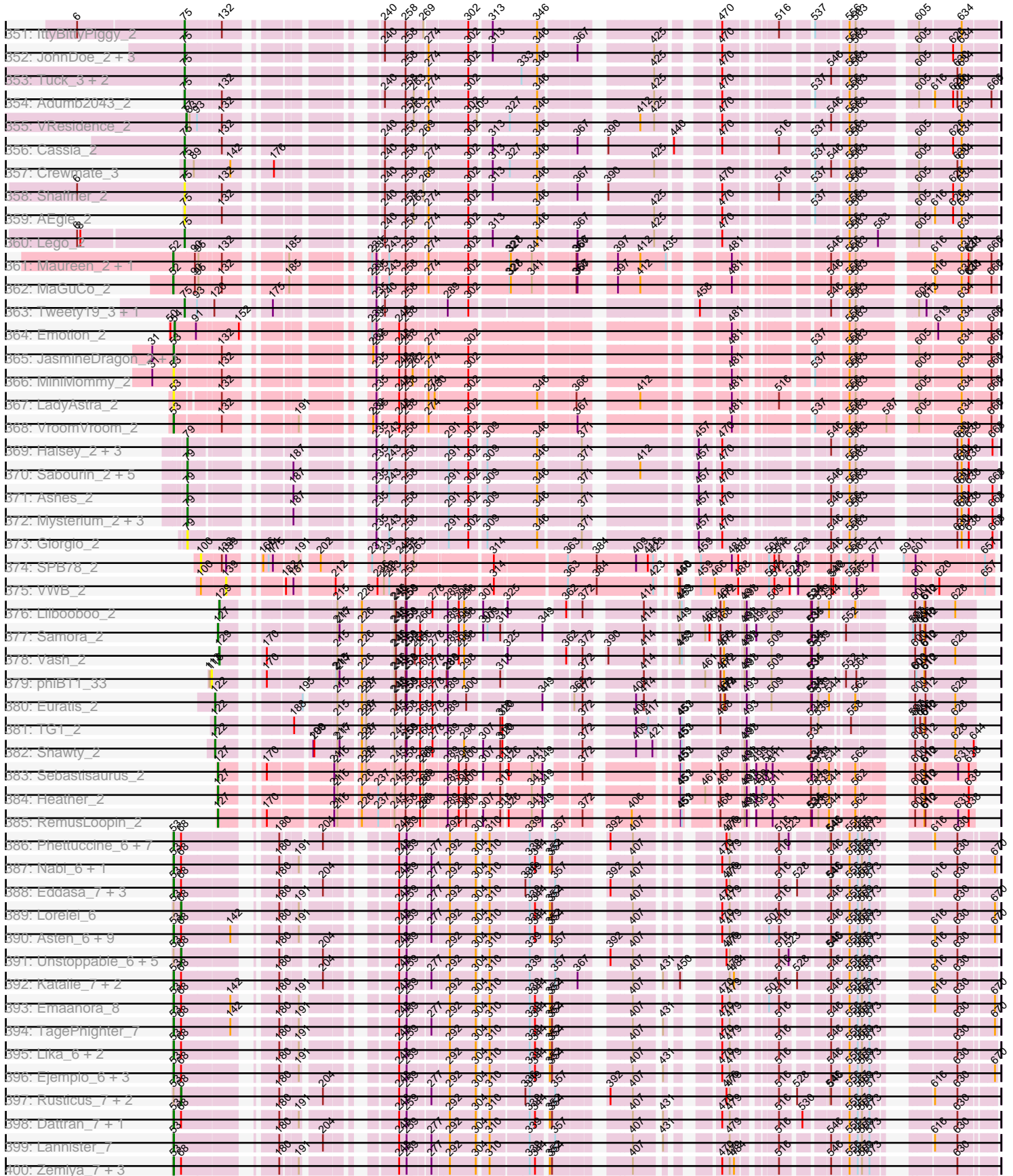
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r51: EZIMoney23_16	55	1233	164	180	191	207	236	269	295	310	357
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r53: Coin_16	55	1233	164	180	191	201	236	269	295	310	357
r54: MissWhite_12 + 1	21	55	1233	164	180	191	201	236	269	295	310
r55: RedRock_105	21	55	1233	164	180	191	201	236	269	295	310
r56: Sknot_13	55	1233	164	180	191	201	236	269	295	310	357
r57: Loser_15	55	1233	164	180	191	201	236	269	295	310	357
r58: WeiHuaDA_58 + 1	55	1233	164	180	191	201	236	269	295	310	357
r59: Jsquared_16	23	55	1233	164	180	191	201	236	269	295	310
r60: Kaipine_15	21	55	1233	164	180	191	201	236	269	295	310
r61: ArcherNM_14	55	1233	164	180	191	201	236	269	295	310	357
r62: Benvolio_12 + 1	21	55	1233	164	180	191	201	236	269	295	310
r63: MiculOcigas_12	55	1233	164	180	191	201	236	269	295	310	357
r64: Anseim_12	55	1233	164	180	191	201	236	269	295	310	357
r65: ChipMunk_14 + 1	55	1233	164	180	191	201	236	269	295	310	357
r66: Trooper_12	21	55	1233	164	180	191	201	236	269	295	310
r67: NaStafalle_12	55	1233	164	180	191	201	236	269	295	310	357
r68: vA6_12	16	55	1233	164	180	191	201	236	269	295	310
r69: L5_13 + 1	55	1233	164	180	191	201	236	269	295	310	357
r70: Smeagan_104	21	55	1233	164	180	191	201	236	269	295	310
r71: Fermic_16	55	1233	164	180	191	201	236	269	295	310	357
r72: KingCyrus_14	55	1233	164	180	191	201	236	269	295	310	357
r73: LionsBait_13	21	55	1233	164	180	191	201	236	269	295	310
r74: XianYue_12	2	55	1233	164	180	191	201	236	269	295	310
r75: Pukovnik_13	55	1233	164	180	191	201	236	269	295	310	357
r76: BengiVullu(6)_13	21	55	1233	164	180	191	201	236	269	295	310
r77: Centaur_14	21	55	1233	164	180	191	201	236	269	295	310
r78: Loka_15 + 1	55	1233	164	180	191	201	236	269	295	310	357
r79: Acolyte_12	55	1233	164	180	191	201	236	269	295	310	357
r80: Odin_11	21	55	1233	164	180	191	201	236	269	295	310
r81: Rachaiy_15	55	1233	164	180	191	201	236	269	295	310	357
r82: Larenn_13	55	1233	164	180	191	201	236	269	295	310	357
r83: CRBT_12	55	1233	164	180	191	201	236	269	295	310	357
r84: SweetPie_12	55	1233	164	180	191	201	236	269	295	310	357
r85: Deloris_13	55	1233	164	180	191	201	236	269	295	310	357
r86: Power_12	21	55	1233	164	180	191	201	236	269	295	310
r87: Baehelix_13	55	1233	164	180	191	201	236	269	295	310	357
r88: Iwokeuplike_12	55	1233	164	180	191	201	236	269	295	310	357
r89: Pomar16_15	55	1233	164	180	191	201	236	269	295	310	357
r90: Ph8s_13 + 1	55	1233	164	180	191	201	236	269	295	310	357
r91: LadyBird_12	55	1233	164	180	191	201	236	269	295	310	357
r92: NothingSpecial_14	55	1233	164	180	191	201	236	269	295	310	357
r93: Anthony_11	55	1233	164	180	191	201	236	269	295	310	357
r94: FatCactus_10	55	1233	164	180	191	201	236	269	295	310	357
r95: Kinmap_11	55	1233	164	180	191	201	236	269	295	310	357
r96: Noella_12 + 13	55	1233	164	180	191	201	236	269	295	310	357
r97: Lova_13 + 54	55	1233	164	180	191	201	236	269	295	310	357
r98: Heliosoles_13 + 12	55	1233	164	180	191	201	236	269	295	310	357
r99: Kachowdy_11 + 1	55	1233	164	180	191	201	236	269	295	310	357
r200: Marie_13 + 7	55	1233	164	180	191	201	236	269	295	310	357

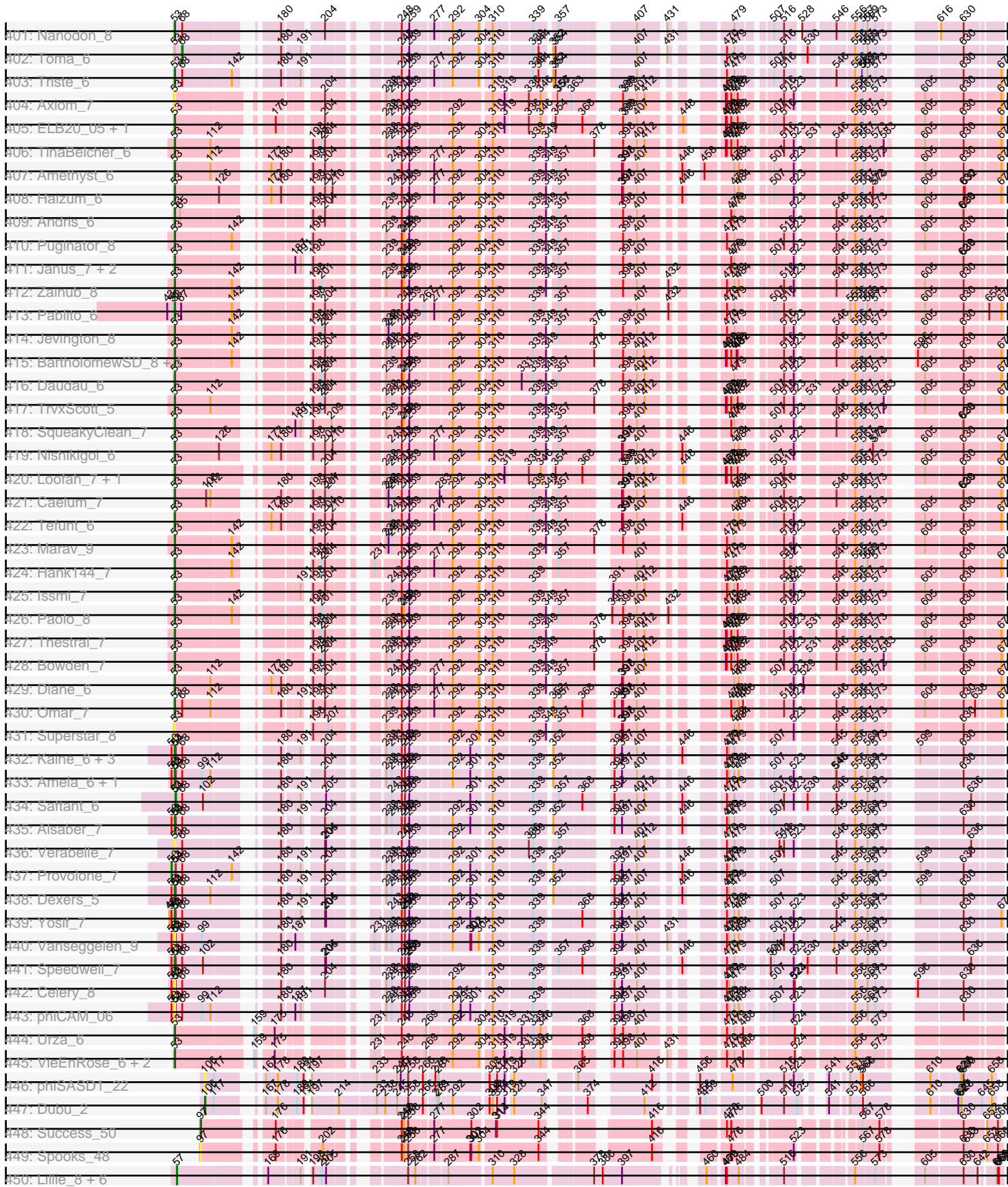
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Z01: ACFishhook_T3	57	88	166	238	258	310	336	356	363	388	395	443	470	500	530	556	577	598	642	686
Z02: Bugatti_T1 + 7	57	88	102	166	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z03: Zetzy_T2	54	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z04: BabyJohn_T0 + 1	57	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z05: Phranny_T4 + 1	54	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z06: MA5_T1	54	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z07: HeiDan_T1	57	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z08: Louie6_T3	54	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z09: Rockstar_T1	54	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z10: Phantastic_T1	54	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z11: Scout_T1 + 1	57	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z12: JeppinRM_T4	54	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z13: JF2_T1 + 3	57	88	102	132	188	176	198	212	238	258	276	300	310	336	380	395	403	411	443	470
Z14: BabyRay_T1	57	89	102	132	188	176	198	212	238	258	276	300	310	336	380	395	403	411	443	470
Z15: Vix_T3	57	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z16: DropBear_T1 + 1	57	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z17: Anubis_T5 + 1	54	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z18: Isca_T1	57	89	102	132	188	198	212	238	258	276	300	310	336	356	380	395	403	411	443	470
Z19: Daisni_T2	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z20: BubbieTrouble_T1 + 1	57	89	116	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z21: Noelle_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z22: Miramae_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z23: Roan_T0 + 1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z24: Onran_T1 + 6	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z25: Datway_T1 + 7	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z26: PetiteSangSue_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z27: Katalie36_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z28: Stasia_T2	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z29: SheldonComas_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z30: Nyxis_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z31: Skiptit_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z32: Shnygu2_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z33: LittleB_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
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Z36: AbbysRanger_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z37: Nemo27_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
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Z40: LittleGuy_T1 + 1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
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Z43: Mundrea_T1	57	89	102	166	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
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Z46: LeoAvram_T0 + 1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
Z47: Morrow_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
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Z49: Cintron_T1	57	89	142	188	198	231	238	258	276	300	310	336	356	380	395	403	411	443	470	500
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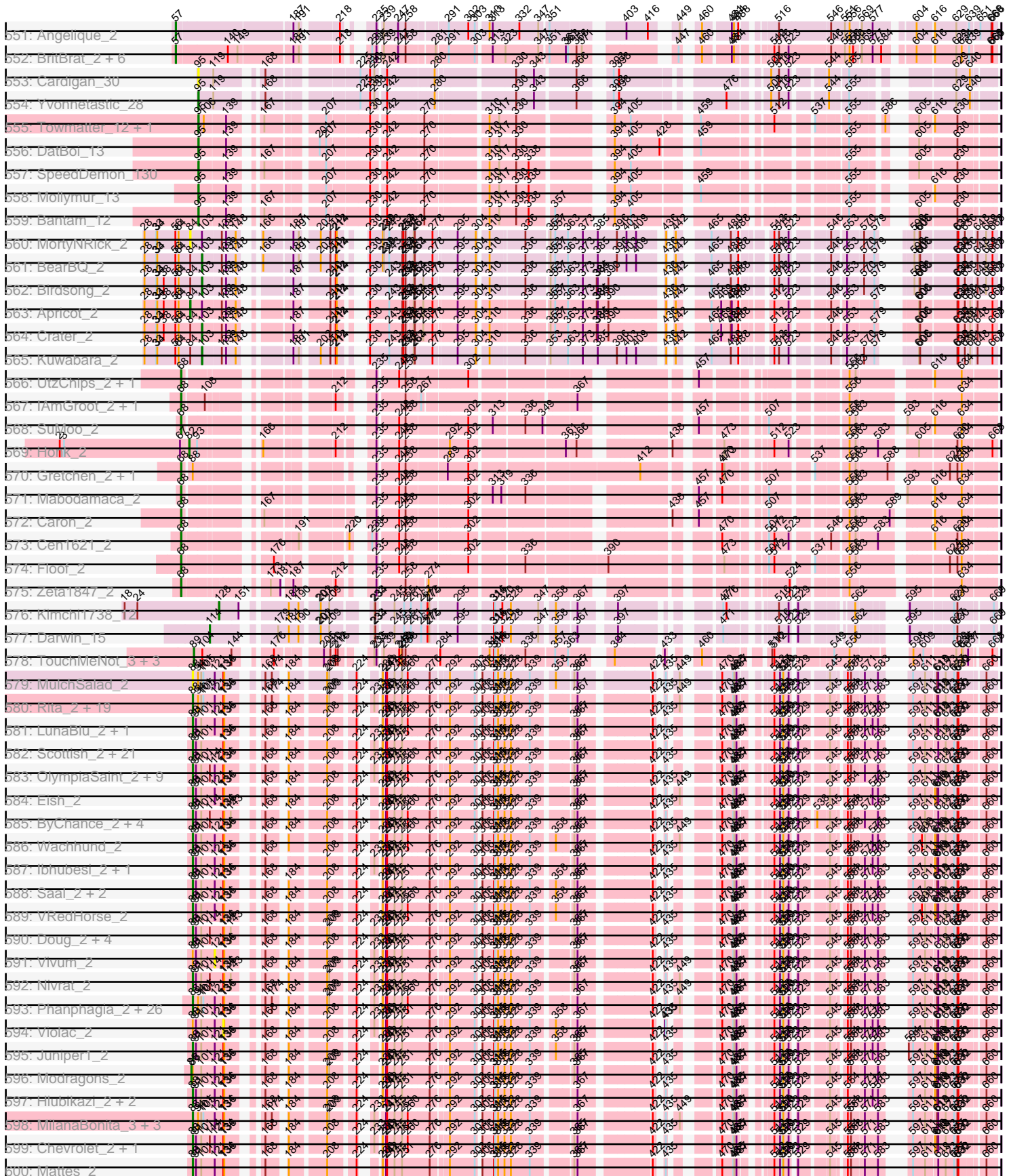
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501: Quasar_4 + 1	89	103	144	167	191	242	288	288	273	302	313	327	363	373	384	390	403	416	442	459	488	510	537	567	588	614	637	686		
502: Hexbug_5	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
503: PotPie_4	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
504: KayGee_4 + 1	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
505: Survivors_6 + 2	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
506: Biskit_5 + 3	51	70	103	144	161	180	191	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
507: Ona_5	70	103	144	161	180	191	214	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
508: GIKK_7	70	103	144	161	180	191	214	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
509: Dre3_4 + 2	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
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512: Amok_3	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
513: Cozz_4 + 4	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
514: MunkgeeRoachy_4	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
515: SummitAcademy_3	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
516: MAAnr_4	70	103	144	161	180	191	214	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
517: Nodigi_5	70	103	144	161	180	191	214	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
518: Yakuit_5	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
519: FeastonyeeC_3 + 1	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
520: HippoPoioi_6	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
521: CheryonLim_5	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
522: Zareel_7	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
523: GTE2_02	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
524: AndPeggy_3 + 1	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
525: Typhonmacy_5	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
526: Vine_5	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
527: Yucky_5	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
528: Tois_6	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
529: Elinal_5	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
530: BillDoor_6	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
531: SteamedHams_6	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
532: Emalyn_3	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
533: SheckVes_3	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
534: AikoCarson_3	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
535: Mayweather_5	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
536: CanesSauce_4 + 1	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
537: Fribs8_5	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
538: Button_5	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
539: Margaret_7	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
540: Jamzy_7	70	103	144	161	180	191	210	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
541: Pons_4	70	103	144	161	180	191	205	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
542: SweatTears_6	51	70	103	144	161	180	191	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
543: Casnime_2	51	70	140	161	180	191	214	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
544: LonelyBoi_2	51	70	140	161	180	191	214	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
545: Wrigley_2	51	70	140	161	180	191	214	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
546: Posh_2	51	70	140	161	180	191	214	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
547: Jabianski_2 + 1	51	70	140	161	180	191	214	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588	614	637	686
548: BeeGee_2	51	70	140	161	180	191	214	214	242	273	302	321	348	363	373	384	390	403	416	442	459	476	492	510	537	567	588			

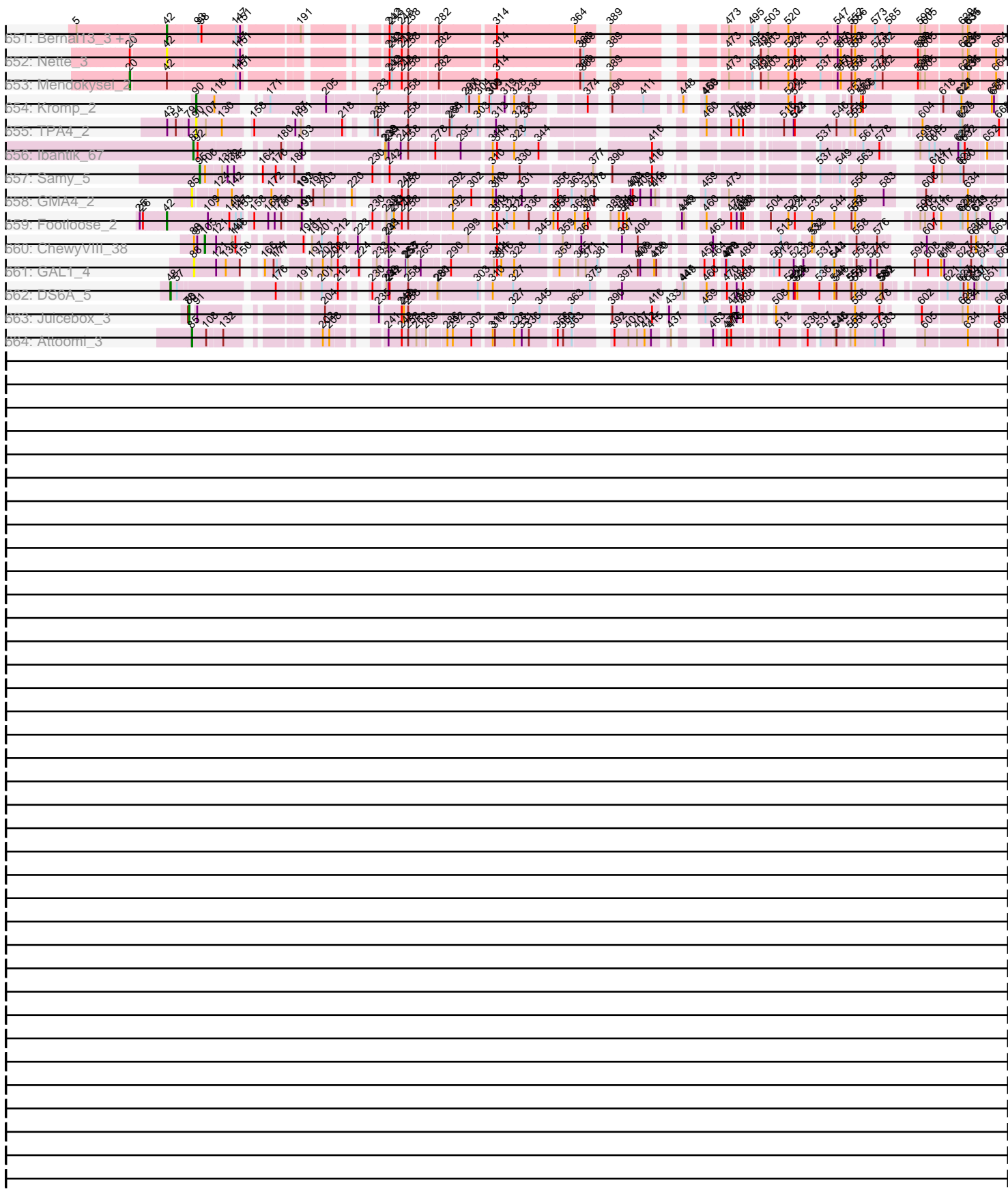
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501: PhsetelPhoto_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
502: Wee_2 + 1	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
503: Jarcob_2 + 1	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
504: Latretum_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
505: foOuu_2 + 1	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
506: EmmMonkey_2 + 4	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
507: Kersh_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
508: Zerg_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
509: NewHope4_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
510: Girr_2 + 3	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
511: Polo2Bam_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
512: Glimmer_3	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
513: Hades_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
514: KristaRAM_3	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
515: Blexus_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
516: Mutaformat3_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
517: whouxpnr_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
518: TDanisky_2 + 2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
519: DLane_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
520: Fancypants_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
521: Liama_2 + 2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
522: GUMbie_2 + 1	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
523: Estave1_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
524: Seabastian_2 + 2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
525: Florinda_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
526: PMC_2 + 1	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
527: Ms6_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
528: Maravista_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
529: DoRead_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
530: Che8_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
531: Yorick_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
532: Dlij_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
533: BobaPnett_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
534: Guppsters_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
535: Nvpilo_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
536: Burwell21_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
537: Saboo_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
538: James_2 + 1	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
539: Leperchaun_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
540: Spartacus_2 + 2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
541: Byougenkin_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
542: Pnathiss_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
543: Nitzei_3	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
544: Cheesepuff_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
545: Manavrat_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
546: Renaud18_2 + 3	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
547: Corrie_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
548: Toron_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
549: Hum25_2	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600
550: JoleB_36 + 19	200	194	200	224	220	220	200	200	300	300	367	422	420	470	510	510	546	571	597	600

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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 224113 Report

This analysis was run 03/28/25 on database version 593.

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 224113 has 1521 members, 174 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_12
- Track 2 : Paraselene_10, Ringer_11, StewieG_10, Marsha_11, Smeagol_12, Sorpresa_11, Sandaddy_10, KyMonks1A_13, AFIS_11, Nhonho_11
- Track 3 : Molly_12, BPBiabs31_12
- Track 4 : Francis47_11, Alvin_12, Gompeii16_11, Aeneas_13, Mule_11, Eyeball_11, Bircsak_11, Magnito_10, HermioneGrange_12, ConceptII_11, PascalRango_10, PhrostyMug_11, Abrogate_120, MPlant7149_10, Carlyle_13, Adahisdi_12, Pinto_13, Bob3_10, Licorice_13
- Track 5 : Euphoria_11, Sumter_10, Scowl_12, Marco3_11, BaconJack_13, DrFeelGood_10, Marcell_11
- Track 6 : BeesKnees_12
- Track 7 : Thor_11, SarFire_11
- Track 8 : Pita2_13, Tote_13, RidgeCB_11, JuliaChild_13, LilBib_12, PSullivan_13, Swole_13
- Track 9 : Agaliana_11, Smairt_12, PacerPaul_11, Gandalf20_12, KBG_12
- Track 10 : Acme_13, BigMau_13, Jerm2_12, Museum_13, Pippin_13, Rubeus_12, Sibs6_13, PattyP_13, Burton_12
- Track 11 : Bigchung_11, Abbyshoes_12, Zephyr_11, Dussy_12, Zeuska_12
- Track 12 : Switzer_12, U2_11, KSSJEB_11
- Track 13 : BigPaolini_12, Alsfro_15
- Track 14 : Fushigi_12, Marge_12, SpikeBT_13, Monet_13, GageAP_13
- Track 15 : Oogway_10
- Track 16 : Petruchio_11, Froghopper_12
- Track 17 : TheloniousMonk_13
- Track 18 : Marchy_10, Ajay_11, Snazzy_9, Payneful_11, Graduation_13, Bones_11, BarrowTuph_10, LunarLander_11
- Track 19 : Lockley_11, DD5_12
- Track 20 : A6_09, BK1_09, Papez_13
- Track 21 : Ichabod_12, Briton15_13
- Track 22 : Fajezeel_13, Greg_13
- Track 23 : Crispicous1_10, Doom_11, Watermelon_13, Ruotula_10, Lesedi_10, MrGordo_11

- Track 24 : Sagefire_12, Altman_12, Traft412_13, Kanely_12, Wheeler_11, Solon_11, EnzoK_11, Dexes_12
- Track 25 : Mkhuseleli_12
- Track 26 : Perseus_12, Jasper_12, Moose_10, Turj99_10, Forsytheast_10, ShortQueendom_10, Dreamboat_12, SwissCheese_11
- Track 27 : McGuire_12, Dynamix_12
- Track 28 : Applejack_11, Sunshine924_10, Rhynn_11, ILeeKay_13
- Track 29 : STLscum_12
- Track 30 : Dulcie_10
- Track 31 : CactusRose_10, Fascinus_10, Bigfoot_10
- Track 32 : Slagathor_12, HarryOW_12
- Track 33 : QTRlifeCrisis_11
- Track 34 : Gwendoluna_13
- Track 35 : Parliament_10, Pepe_12, Arcanine_12, Rajelicia_11, Killigrew_9, Hope4ever_11
- Track 36 : Nerujay_12, Maroc7_10, Arlo_10
- Track 37 : Squee_12
- Track 38 : Bruns_10, Gyzlar_13, Treddle_13
- Track 39 : Topgun_11, Teodoridan_9, SkiPole_13
- Track 40 : Rohr_12, Buttons_12
- Track 41 : GMonster_10, TwoPeat_12
- Track 42 : Hermia_13, Iqorha_10
- Track 43 : Magnar_11
- Track 44 : HanShotFirst_11, Homines_11
- Track 45 : Target_13, Kykar_9
- Track 46 : BillKnuckles_12
- Track 47 : GrecoEtereo_12
- Track 48 : JackSparrow_12
- Track 49 : Rufus_12
- Track 50 : Ashballer_10
- Track 51 : IgnatiusPatJac_10, BluSpix_11
- Track 52 : Inyanga_10
- Track 53 : Tripl3t_12
- Track 54 : Bxb1_10
- Track 55 : Seabiscuit_13
- Track 56 : PinkPlastic_10
- Track 57 : Peterson_14
- Track 58 : Kenmech_14
- Track 59 : MaryBeth_11, MetalQZJ_11, Corvo_11
- Track 60 : Seanderson_12, JC27_13, Trouble_11
- Track 61 : Barriga_11
- Track 62 : Wilkins_11
- Track 63 : Edtherson_12
- Track 64 : Niza_13
- Track 65 : NEHalo_11
- Track 66 : ProMouse_10
- Track 67 : Chanagan_10
- Track 68 : McSinger_12
- Track 69 : Ciao_11
- Track 70 : Sanya_10
- Track 71 : DreamCatcher_14
- Track 72 : Raid_12
- Track 73 : Pari_12

- Track 74 : Lamina13_11
- Track 75 : Manatee_12
- Track 76 : Atkinbua_12
- Track 77 : Michley_11
- Track 78 : Cueylyss_11, Zeeculate_10
- Track 79 : Mryolo_10
- Track 80 : Blue_11
- Track 81 : Hami1_13
- Track 82 : Pelly_12
- Track 83 : PherrisBueller_12, Jorgensen_11
- Track 84 : Kugel_12
- Track 85 : Tasp14_12
- Track 86 : Paphu_10
- Track 87 : Rutherferd_13
- Track 88 : Espresso_11
- Track 89 : Norz_13
- Track 90 : Ohno789_10
- Track 91 : Eaglepride_12
- Track 92 : Drake94_10
- Track 93 : Shapes_14, RhynO_12, DustyMartin_14, Rowdy_14
- Track 94 : Chupacabra_11
- Track 95 : Rebeuca_12, Kristoff_12
- Track 96 : KittenMittens_10
- Track 97 : DontArgue_10
- Track 98 : Topanga_11, Edison31_11, WalterMcMickey_11, Twister_11
- Track 99 : Goose_11, OKCentral2016_11
- Track 100 : Severus_10
- Track 101 : Poompha_10
- Track 102 : PeaceMeal1_10
- Track 103 : Trike_9
- Track 104 : Salz_12, Mulciber_12, Snape_12
- Track 105 : Et2Brutus_11, Bachome_12, Petersenfast_11, Gilberta_12, Bud_12, Mabel_12, Munch_12, MaCh_12, Orange_12, Bowtie_12, Sham4_12, Joselito_12, TinyTimmy_12, Ebony_12, Aneem_12
- Track 106 : Timothy_12, Fibonacci_12, Hutc2_12
- Track 107 : Lucivia_12, Jabith_12, Flaverint_12, Insomnia_12
- Track 108 : Refuge_15
- Track 109 : DARTHPhader_13
- Track 110 : Pharaoh_12
- Track 111 : Steamy_13
- Track 112 : Zimmer_14
- Track 113 : Phlei_8
- Track 114 : Jeeves_11
- Track 115 : Sunhee_10
- Track 116 : Gail_11
- Track 117 : Luchador_12
- Track 118 : SororFago_11
- Track 119 : Switzerland_14, LastResort_14, Soups_14, ReMo_14, MinecraftSteve_15, Anaysia_14, Boohoo_14, Warrior24_15, Nebulosus_14, Looper_15, Battleship_15, Rosalind_14, Oofda_15, Epsocamisio_14
- Track 120 : ShayRa_15, KatherineG_14, Strosahl_14, JSwag_14, Remus_14, DekHockey33_14, Waits_14
- Track 121 : Nedarya_13

- Track 122 : Anon_12
- Track 123 : EagleEye_14, PainterBoy_13, Lucyedi_13
- Track 124 : 40AC_15
- Track 125 : MyraDee_9
- Track 126 : Kimona_8
- Track 127 : Tomathan_15, D32_15, Naji_15, Travvers_15, DBQu4n_15, StarStuff_15, Kerberos_15, D29_13, Duplo_15
- Track 128 : GaugeLDP_14, BabyBack_14
- Track 129 : Malec_13
- Track 130 : NicoleTera_16
- Track 131 : Miko_15
- Track 132 : Landor_13, Bactobuster_13, Tristan_13, Jaan_15, Phaded_15, IronMan_14
- Track 133 : AN9_15, VC3_15, ANI8_15, C3_10
- Track 134 : Equemioh13_14, WideWale_14, Updawg_14, Gratitude_13
- Track 135 : AnnaL29_15
- Track 136 : SwirlSquare_14
- Track 137 : Serenity_11, Bradman_11, Quokka_10, MajorMajor_11
- Track 138 : TarsusIV_12
- Track 139 : Leogania_14, BiancaTri92_14
- Track 140 : Changeling_15
- Track 141 : JoshKayV_14
- Track 142 : Drake55_14, Piro94_13, Flare16_12, HarryHoudini_14
- Track 143 : First_0012, 20ES_12
- Track 144 : Crucio_12, QueenBeesly_12, Retro23_12, Dalmatian_12, SemperFi_14, Georgie2_13, DudeLittle_12, SnapTap_12, FiringLine_12
- Track 145 : AN3_12
- Track 146 : Che12_13
- Track 147 : TopsytheTRex_11
- Track 148 : Caraxes_11, Superchunk_11
- Track 149 : Herbertwm_10
- Track 150 : Whabigail7_14, LilTurb_14, Jerm_14, Buggy_14, Leviathan_14, Turbido_14, Dignity_14, AbbyPaige_14, Agape74_14
- Track 151 : EZMoney23_16
- Track 152 : Fameo_12, Heffalump_14, QueenB2_12
- Track 153 : Colin_16
- Track 154 : MissWhite_12, Journey13_10
- Track 155 : RedRock_15
- Track 156 : Sknot_13
- Track 157 : Loser_15
- Track 158 : WeiHuaDA_18, Trixie_15
- Track 159 : Jsquared_11
- Track 160 : Kalpine_15
- Track 161 : ArcherNM_14
- Track 162 : Benvolio_12, Echild_12
- Track 163 : MiculUcigas_12
- Track 164 : Anselm_12
- Track 165 : ChipMunk_14, EvilGenius_14
- Track 166 : Trooper_12
- Track 167 : NaSiaTalie_12
- Track 168 : VA6_12
- Track 169 : L5_13, Koduck_12
- Track 170 : Smeagan_14

- Track 171 : Terrific_16
- Track 172 : KingCyrus_14
- Track 173 : LionsBait_13
- Track 174 : XianYue_12
- Track 175 : Pukovnik_14
- Track 176 : BengiVuitton_13
- Track 177 : Centaur_14
- Track 178 : Lokk_15, BobSwaget_15
- Track 179 : Acolyte_12
- Track 180 : Odin_11
- Track 181 : Rachaly_15
- Track 182 : Larenn_13
- Track 183 : CRB1_12
- Track 184 : SweetiePie_12
- Track 185 : Deloris_13
- Track 186 : Power_12
- Track 187 : Baehexic_13
- Track 188 : Iwokeuplikedis_12
- Track 189 : Pomar16_15
- Track 190 : Ph8s_13, Adzzy_13
- Track 191 : LadyBird_12
- Track 192 : NothingSpecial_14
- Track 193 : Anthony_11
- Track 194 : FatCactus_10
- Track 195 : Kinmap_11
- Track 196 : Noella_12, Texage_11, Veracruz_11, Panamaxus_12, Caviar_12, QuinnKiro_11, Norbert_11, Margo_12, Popcicle_12, ResDef_12, Pocahontas_12, Todacoro_12, Lambert1_12, Hookmount_12
- Track 197 : Lowa_13, Malinsilva_15, SoYo_13, StepMih_13, Grub_13, KADY_14, Misomonster_15, Dieselweasel_13, MuchMore_15, Phoebe_13, LBerry_13, Tiffany_13, MarQuardt_13, Jobu08_13, Sabia_13, BreSam8_13, LarryKay_13, Spike509_13, P28Green_13, TinyPebbles_13, HashRod_14, Colbster_13, Grum1_13, Grif_13, Beauxregard13_13, BuzzBuzz_12, Stagni_13, Wooldri_15, Hercules11_13, Rummer_13, Bxz2_13, PGHhamlin_15, Ollie_13, PotatoSplit_14, Farber_13, Microwolf_13, AgronaGT15_13, Soshari_15, JHC117_13, GtownJaz_13, Penny1_13, EpicPhail_13, Phoxy_13, Aglet_13, Watson_13, Lilith_13, Snickers_13, SoilDragon_13, Pembroke_13, MadMarie_13, Methuselah_13, Sabinator_13, DaHudson_13, Mainiac_13, AugsMagnumOpus_15
- Track 198 : Heliosoles_13, HaveUMetTed_14, Manu_14, Pawn_13, Groupthink_14, Calvinny_14, OlanP_13, Kalb97_14, PhishRPhriends_12, Gemma_13, PurpleHaze_13, Kalnoky_14, Marius_14
- Track 199 : Kachowdy_11, Heathen_11
- Track 200 : Marie_13, JenCasNa_13, Taurus_13, LugYA_15, Fernando_13, MoneyMay_13, Bigflo_13, Cullens_13
- Track 201 : ACFishhook_13
- Track 202 : Bugatti_11, Giroux_11, TNguyen7_11, Puppy_12, Idleandcovert_11, Pistachio_12, SaturnRing_11, BlueBird_12
- Track 203 : Zetzy_12
- Track 204 : BabyJohn_10, Chiqui_10
- Track 205 : Phranny_14, Reba_14
- Track 206 : MA5_11
- Track 207 : HelDan_11
- Track 208 : Louie6_13

- Track 209 : Rockstar_11
- Track 210 : Phantastic_11
- Track 211 : Scout_11, Fred313_11
- Track 212 : JeppNRM_14
- Track 213 : JF2_11, B1_09, MK4_11, JF4_11
- Track 214 : BabyRay_11
- Track 215 : Vix_13
- Track 216 : DropBear_11, Marchesa_11
- Track 217 : Anubis_15, GingkoMaracino_13
- Track 218 : Isca_11
- Track 219 : Daishi_12
- Track 220 : BubbleTrouble_11, Mayonnaise_11, Ulysses_10, Chaph_11, Citius_11, MeeZee_11, ICleared_11, Bartimeaus_11, Burger_10, Flux_11, Palestino_11, JoongJeon_11, TygerBlood_11, Thanksgivukkah_11, LappelDuVide_11, Scamp_11, Baby16_11, Romney_11, Cocoaberry_11, Maverick_11, NorthStar_11, SenorClean_10, TinaFeyge_11, Funston_11, Deano_11, Floean_11, Dhanush_11, Happiness_11, Eros_11, Clarenza_11, Sparxx_11, Koreni_10, Ruin_11, PeterPeter_11, Tinybot_10, Maxo_11, Broseidon_11, Druantia_11, Kratark_11, Kamy_11, Spino_11, Roosevelt_11, Pipcraft_11, Connomayer_11, JetBlade_11, KFPoly_11, Phacado_11, Peaches_11, Shaka_11, Wizard007_11, Sabertooth_11, Gadost_11, NotAPhaseMom_11, HamSlice_10, Blackmoor_11, Abdiel_11, Melvin_11, Phelipe_11, Alberto7_12, Eris_11, Lorenzo_11, Relief_11, CentreCat_11, Jaykayelowell_11, Phighter1804_11, Wander_11, DirtyDunning_11, TroyPia_11, Huxley_11, Taquarus_11, Commander_11, Iceman_11, Eapen_11, Annyong_11, Medusa_11, Pumbaa_11, Bruiser_11, Iracema64_11, Albee_11, Houdini22_11, TiroTheta9_11, Mazhar510_11, Bombshell_11, Avle17_11, Holli_11, Kingmustik0402_11, Wilbur_11, Caelakin_11
- Track 221 : Noelle_11
- Track 222 : Miramae_11
- Track 223 : Koan_10, Kyee_11, Lunsford_12, Lemur_11
- Track 224 : Ohfah_11, Nebs_11, BellusTerra_11, Polymorphads_11, YoSam321_11, Eurydice_11
- Track 225 : Datway_11, Wile_11, Cici_11, Xena_11, Backyardigan_11, Badger_11, Bumblebee11_11, Achebe_11
- Track 226 : PetiteSangsue_11
- Track 227 : Katalie136_11
- Track 228 : Stasia_12
- Track 229 : SheldonCooper_11, Rosa24_10, BangNhom_10, Cerulean_11, Eagle_10, ChampagnePapi_11
- Track 230 : Nyxis_11
- Track 231 : Skipitt_11
- Track 232 : Shygu2_11
- Track 233 : LittleB_11
- Track 234 : Arturo_10
- Track 235 : Camperdownii_10
- Track 236 : AbbysRanger_11
- Track 237 : Nemo27_11
- Track 238 : Kremtemulon_11
- Track 239 : Obama12_11, LHTSCC_11
- Track 240 : LittleGuy_11, Phontbonne_11
- Track 241 : OKaNui_11
- Track 242 : Stink_11, AvatarAhPeg_11
- Track 243 : Mundrea_11

- Track 244 : Cindaradix_10
- Track 245 : Perplexer_11, Morpher26_11
- Track 246 : LeoAvram_11
- Track 247 : Morrow_11
- Track 248 : LochMonster_11
- Track 249 : Cintron_11
- Track 250 : Millski_11
- Track 251 : Tiger_9, Lev2_9
- Track 252 : Airmid_9
- Track 253 : Micasa_9, Prinasha11_10
- Track 254 : Midas2_9, Coog_9
- Track 255 : George_8, Cuco_9
- Track 256 : Chadwick_10, Scorpia_10
- Track 257 : Conspiracy_9, ForGetIt_9, Archetta_9, AgentM_9, PickleBack_9, Phlorence_9
- Track 258 : UnionJack_9
- Track 259 : Naca_9
- Track 260 : Dublin_8, Theia_8
- Track 261 : Milcery_9, Swirley_9
- Track 262 : Discoknowium_9
- Track 263 : Twigg_9, HuhtaEnerson15_9, LittleCherry_9
- Track 264 : Jabiru_9
- Track 265 : Bluefalcon_8
- Track 266 : Ghoulboy_9
- Track 267 : PetterN_10, Benedict_9
- Track 268 : Tarynearal_8
- Track 269 : SydNat_9, Zolita_8
- Track 270 : EITiger69_9
- Track 271 : Jovo_9
- Track 272 : Aragog_9
- Track 273 : Bonamassa_9
- Track 274 : MarysWell_8
- Track 275 : Priamo_15, SmellyB_15, Dorothea_15, Chartreuse_15, DaVinci_15, Kazan_15, VohminGhazi_15, Candra_15, Kipper29_15, Jeffabunny_15, McFly_15, JewelBug_15, Hoot_15, CloudWang3_15, Blinn1_15, GreedyLawyer_15
- Track 276 : Hammer_15, ToneTone_14, Artemis2UCLA_15, Temprado_16, Lilbunny_15, Koko_15, Blue7_15, Roksolana_15, Indra_15, Wiks_15, Yokurt_15, WunderPhul_15, Hexamo_15, Zaka_15, BlessJoy_15, Tucker_15, Helmet_16, Zulu_15, Garak_16
- Track 277 : SuperCallie99_15, BABullseye_15, EricB_15
- Track 278 : Neeharika16_15, Cookiedough_15, Pmask_15, Jordennis_15, Polyphemus_14, Newrala_15
- Track 279 : Rifter_15, Gladiator_15, Gruunaga_15
- Track 280 : SuperAwesome_15
- Track 281 : Isiphiwo_15
- Track 282 : PP_21
- Track 283 : Timshel_12
- Track 284 : HINdeR_11
- Track 285 : Sheen_13, FlyCatcher_15, Toro_14
- Track 286 : DroogsArmy_12
- Track 287 : Smeadley_9, Roary_9, Dixon_9
- Track 288 : Astro_9, Stephig9_9, Expelliarmus_8, Danforth_8, Groundhog_8
- Track 289 : Saintus_9

- Track 290 : NearlyHeadless_9
- Track 291 : Phillis_9
- Track 292 : Tubs_13, Aliter_13, Fayely_13, Priya_13, Myxus_13, HortumSL17_13, Alma_13, PackMan_13, Eidsmoe_13, Ugenie5_10, Spouty_13
- Track 293 : Arissanae_11
- Track 294 : Rahalelujah_11
- Track 295 : Scherzo_13, Lilleskat_11, Phonnegut_13, Holec_12, Qobbit_13, RyeScarlet_14, Hanray_12, EmyBug_13, Beemo_13
- Track 296 : LoneWolf_13
- Track 297 : Darrell_14
- Track 298 : Toaka_11
- Track 299 : Onglai_12
- Track 300 : Vanisoa_11
- Track 301 : Pioneer_13, Conquerage_13, Catalina_13, ExplosioNervosa_13, Sachima_11, Phaeder_13, EdogawaKiddo_11
- Track 302 : Elephantoon_13
- Track 303 : Keziacharles14_11
- Track 304 : DreamTeam1_12, Charm_12
- Track 305 : BogosyJay_13
- Track 306 : SheaKeira_12
- Track 307 : Maminiaina_13
- Track 308 : Yecey3_12
- Track 309 : Jiawan_12
- Track 310 : 8UZL_5, FF47_05
- Track 311 : JacoRen57_2
- Track 312 : Muddy_5
- Track 313 : NoShow_2
- Track 314 : Maco6_3
- Track 315 : Farewell_2, Sparky_2
- Track 316 : Nergal_5
- Track 317 : MalagasyRose_7
- Track 318 : Phrank15_2
- Track 319 : Persistence_2
- Track 320 : Anekin_2
- Track 321 : Hestia_2
- Track 322 : MUWow_2
- Track 323 : Soondubu_2
- Track 324 : Exile_2
- Track 325 : AinMach_2
- Track 326 : Lizalica_2
- Track 327 : Eraser_2, Niobe_2, Asa16_2, London_2, Jstan_2
- Track 328 : Pixelle_2
- Track 329 : ObiToo_2
- Track 330 : Nitro_2
- Track 331 : KeAlii_2
- Track 332 : Tallboi_2
- Track 333 : Wildwest_3
- Track 334 : TforTroy_2
- Track 335 : Reedo_2
- Track 336 : Yang_2, JuneStar_2
- Track 337 : Kaylissa_2, Tutumahutu_2, Powerpuff_2, Cyan_2, YesChef_2
- Track 338 : Berrie_2
- Track 339 : Sue2_2

- Track 340 : Subaru_2, Elezi_2
- Track 341 : DrSierra_2
- Track 342 : Pumpkins_2
- Track 343 : MissSwiss_2
- Track 344 : AGrandiflora_2
- Track 345 : DrManhattan_2, Adolin_2
- Track 346 : Joemato_2, Simpson_2
- Track 347 : Iter_2, Ascela_2
- Track 348 : Janeemi_3
- Track 349 : Tian_2, Amyev_2
- Track 350 : Turab_2
- Track 351 : IttyBittyPiggy_2
- Track 352 : JohnDoe_2, Tbone_2, Warda_2, Mudpuppy_2
- Track 353 : Tuck_3, Phives_3, Community_3
- Track 354 : Adumb2043_2
- Track 355 : VResidence_2
- Track 356 : Cassia_2
- Track 357 : Crewmate_3
- Track 358 : Shaffner_2
- Track 359 : AEgle_2
- Track 360 : Lego_2
- Track 361 : Maureen_2, Liebe_2
- Track 362 : MaGuCo_2
- Track 363 : Tweety19_3, Snek_3
- Track 364 : Emotion_2
- Track 365 : JasmineDragon_2, ShakeltOph_2
- Track 366 : MiniMommy_2
- Track 367 : LadyAstra_2
- Track 368 : VroomVroom_2
- Track 369 : Halsey_2, Moss_2, SpecialK_2, RockScotty_2
- Track 370 : Sabourin_2, Kalimba_2, Sooty_2, Cappuccino_2, Gambol_2, Donkey_2
- Track 371 : Ashes_2
- Track 372 : Mysterium_2, Beaupre_2, Gumpizza_2, Stuu_2
- Track 373 : Giorgio_2
- Track 374 : SPB78_2
- Track 375 : VWB_2
- Track 376 : Lilbooboo_2
- Track 377 : Samora_2
- Track 378 : Vash_2
- Track 379 : phiBT1_33
- Track 380 : Euratis_2
- Track 381 : TG1_2
- Track 382 : Shawty_2
- Track 383 : Sebastisaurus_2
- Track 384 : Heather_2
- Track 385 : RemusLoopin_2
- Track 386 : Phettuccine_6, Bovely_6, Aaronocolus_6, Legacy_6, Hydra_8, Nerdos_6, Indigo_6, Caliburn_6
- Track 387 : Nabi_6, Rana_6
- Track 388 : Eddasa_7, Izzy_7, BryanRecycles_7, Oliynyk_7
- Track 389 : Lorelei_6
- Track 390 : Asten_6, Dwayne_6, Snorlax_6, Chucky_6, Werner_6, SarahRose_6, OzzyJ_7, BarryBee_8, Whatever_6, Hippo_6

- Track 391 : Unstoppable_6, Leviticus_6, Ozzie_6, BeardedLady_7, Esperer_6, SunsetPointe_6
- Track 392 : Katalie_7, RedBear_8, South40_7
- Track 393 : Emaanora_8
- Track 394 : TagePhighter_7
- Track 395 : Lika_6, Godpower_7, Sujidade_7
- Track 396 : Ejemplo_6, Yasdnil_6, Maneekul_6, TuanPN_6
- Track 397 : Rusticus_7, EnochSoames_7, Jash_7
- Track 398 : Dattran_7, Goby_6
- Track 399 : Lannister_7
- Track 400 : Zemlya_7, Brataylor_7, Celeste_6, Danzina_7
- Track 401 : Nanodon_8
- Track 402 : Toma_6
- Track 403 : Triste_6
- Track 404 : Axiom_7
- Track 405 : ELB20_05, R4_6
- Track 406 : TinaBelcher_6
- Track 407 : Amethyst_6
- Track 408 : Haizum_6
- Track 409 : Andris_6
- Track 410 : Puginator_8
- Track 411 : Janus_7, GirlDinner_6, Animus_7
- Track 412 : Zainub_8
- Track 413 : Pablito_6
- Track 414 : Jevington_8
- Track 415 : BartholomewSD_8, Alvy_8
- Track 416 : Daudau_6
- Track 417 : TrvxScott_5
- Track 418 : SqueakyClean_7
- Track 419 : Nishikigoi_6
- Track 420 : Loofah_7, Paedore_6
- Track 421 : Caelum_7
- Track 422 : Tefunt_6
- Track 423 : Marav_9
- Track 424 : Hank144_7
- Track 425 : Issmi_7
- Track 426 : Paolo_8
- Track 427 : Thestral_7
- Track 428 : Bowden_7
- Track 429 : Diane_6
- Track 430 : Omar_7
- Track 431 : Superstar_8
- Track 432 : Kaine_6, Pavo_7, ElGato_7, Conan_7
- Track 433 : Amela_6, Verse_6
- Track 434 : Saftant_6
- Track 435 : Alsaber_7
- Track 436 : Verabelle_7
- Track 437 : Provolone_7
- Track 438 : Dexers_5
- Track 439 : Yosif_7
- Track 440 : Vanseggelen_9
- Track 441 : Speedwell_7
- Track 442 : Celery_8

- Track 443 : phiCAM_06
- Track 444 : Urza_6
- Track 445 : VieEnRose_6, Celia_6, Itza_6
- Track 446 : phiSASD1_22
- Track 447 : Dubu_2
- Track 448 : Success_50
- Track 449 : Spooks_48
- Track 450 : Lillie_8, Swann_8, CosmicSans_8, Bradshaw_8, Phrankenstein_8, TWAMP_8, Rhodalysa_8
- Track 451 : Belenaria_8, Naiad_8, Nancinator_8, Natosaleda_8, StCroix_8, UhSalsa_8, Espica_8, Krishelle_8, Alatin_8
- Track 452 : Partridge_8, Dinger_8
- Track 453 : Alpacados_7
- Track 454 : PhailMary_7
- Track 455 : Erik_8, Shuman_8, Rasputin_8, Gollum_8, RexFury_8
- Track 456 : AppleCloud_6
- Track 457 : AngryOrchard_7, Takoda_8
- Track 458 : Yoncess_8, Bonanza_8, Bryce_8, Yogi_8, Hiro_8
- Track 459 : Jester_8, Harlequin_8
- Track 460 : RER2_1
- Track 461 : BobbyDazzler_8
- Track 462 : Abscondus_29, Culver_30, Dusty_28
- Track 463 : Toniann_30, ClubL_30, Cucurbita_32, Engineer_31, PhinkBoden_30, Aphelion_30, Lozinak_30, Smoothie_31
- Track 464 : Miskis_28
- Track 465 : Bachita_32, Norvs_31, Geeche_29
- Track 466 : WilliamBoone_30
- Track 467 : OneUp_24
- Track 468 : BrutonGaster_18
- Track 469 : MacGully_32
- Track 470 : Flapper_28
- Track 471 : Turuncu_28
- Track 472 : GRU1_terL
- Track 473 : Dalilpop_29
- Track 474 : GTE5_terL
- Track 475 : SuperSulley_25, Bonum_27, Buggaboo_25
- Track 476 : MerCougar_25
- Track 477 : GrootJr_26, Phomeo_23, Kurt_24, Emianna_24, NatB6_24, Foxboro_25, Wheezy_24, NovumRegina_24, Tracker_24, Jifall16_23, Arti_24
- Track 478 : Kabluna_27, NosilaM_27
- Track 479 : Commandaria_26
- Track 480 : KidneyBean_24
- Track 481 : Outis_25, StarStruck_25
- Track 482 : GTE8_13
- Track 483 : Lollipop1437_29, Skysand_26, Patio_27, Ennea_30, Float294_26
- Track 484 : RedRaider_31
- Track 485 : IDyn_25
- Track 486 : Marietta_26, NadineRae_24
- Track 487 : Sukkupi_26, Yndexa_26, BiPauneto_27
- Track 488 : WhoseManz_26
- Track 489 : HubbaBubba_22
- Track 490 : Pleakley_33, Fury_33
- Track 491 : Scuba_33

- Track 492 : Polyyuki_28, Braxoaddie_28
- Track 493 : Apiary_28, Maselop_28, CoffeeBean_28
- Track 494 : GuyFagieri_28
- Track 495 : Sopespian_4, Elliott_4, PsychoKiller_4
- Track 496 : MScarn_6, Horseradish_5, Yummy_5, Blondies_4
- Track 497 : Azira_6
- Track 498 : Agatha_4
- Track 499 : Carsonalex_5
- Track 500 : RanchParmCat_7
- Track 501 : Quasar_4, Nina_4
- Track 502 : Hexbug_5
- Track 503 : PotPie_4
- Track 504 : KayGee_4, Bavidard_4
- Track 505 : Survivors_6, Nibbles_6, MaVan_6
- Track 506 : Biskit_5, Buttrmlkdreams_4, Troje_4, SketchMex_3
- Track 507 : Orla_5
- Track 508 : GiKK_7
- Track 509 : Dre3_4, Cleo_4, Gibbous_4
- Track 510 : Lauer_3
- Track 511 : Socotra_5, GoldHunter_5, RedBaron_5
- Track 512 : Amok_3
- Track 513 : Cozz_4, Burnsey_4, ChickenTender_6, Axym_4, Starburst_5
- Track 514 : MunkgeeRoachy_4
- Track 515 : SummitAcademy_3
- Track 516 : MAnor_4
- Track 517 : Nodigi_5
- Track 518 : Yakult_5
- Track 519 : Feastonyeet_3, BigChungus_3
- Track 520 : HippoPololi_6
- Track 521 : CherryonLim_5
- Track 522 : Zareef_7
- Track 523 : GTE2_02
- Track 524 : AndPeggy_3, Yarn_3
- Track 525 : Typhonomachy_5
- Track 526 : Vine_5
- Track 527 : Yucky_5
- Track 528 : Tolls_6
- Track 529 : Elinal_5
- Track 530 : BillDoor_6
- Track 531 : SteamedHams_6
- Track 532 : Emalyn_3
- Track 533 : SheckWes_3
- Track 534 : AikoCarson_3
- Track 535 : Mayweather_5
- Track 536 : CanesSauce_4, ChocoMunchkin_4
- Track 537 : Fribs8_5
- Track 538 : Button_5
- Track 539 : Margaret_7
- Track 540 : Jamzy_7
- Track 541 : Pons_4
- Track 542 : SweatNTears_6
- Track 543 : Cashline_2
- Track 544 : LonelyBoi_2

- Track 545 : Wrigley_2
- Track 546 : Posh_2
- Track 547 : Jablanski_2, Pytheas_2
- Track 548 : BeeGee_2
- Track 549 : Confidence_2
- Track 550 : Bradissa_2
- Track 551 : Angelique_2
- Track 552 : BritBrat_2, Pollux_2, EnalisNailo_2, Marteena_2, Lilas_2, EMSquaredA_2, Floral_2
- Track 553 : Cardigan_30
- Track 554 : Yvonnestic_28
- Track 555 : Towmatter_12, Daredevil_12
- Track 556 : DatBoi_13
- Track 557 : SpeedDemon_130
- Track 558 : Mollymur_13
- Track 559 : Bantam_12
- Track 560 : MortyNRick_2
- Track 561 : BearBQ_2
- Track 562 : Birdsong_2
- Track 563 : Apricot_2
- Track 564 : Crater_2
- Track 565 : Kuwabara_2
- Track 566 : UtzChips_2, Barnstormer_2
- Track 567 : IAmGroot_2, GardenState_2
- Track 568 : SuMoo_2
- Track 569 : Honk_2
- Track 570 : Gretchen_2, Percival_2
- Track 571 : Mabodamaca_2
- Track 572 : Caron_2
- Track 573 : Cen1621_2
- Track 574 : Floof_2
- Track 575 : Zeta1847_2
- Track 576 : Kimchi1738_12
- Track 577 : Darwin_15
- Track 578 : TouchMeNot_3, Colleen_3, Arianna_3, Poushou_3
- Track 579 : MulchSalad_2
- Track 580 : Rita_2, Phalconet_2, CaptainTrips_3, DotProduct_2, SG4_2, Phasih_2, Ardmore_2, Jant_2, PopTart_2, Minnie_2, QuickMath_2, Emma_2, Ovechkin_2, Dante_2, Tweety_2, Krakatau_3, Sandalphon_2, MinionDave_3, Hamulus_2, SassyB_2
- Track 581 : LunaBlu_2, Galactic_2
- Track 582 : Scottish_2, KingMidas_2, OldBen_2, Daenerys_2, Inventum_2, RedBird_2, RitaG_2, BodEinwohner17_2, JoeyJr_2, Spoonbill_2, Poenanya_2, Dorothy_2, Empress_2, BlueCrab_2, Pacc40_2, Nimbo_2, Radiance_2, Deb65_2, PHappiness_2, Doomphist_2, Sassafras_2, Geralt_2
- Track 583 : OlympiaSaint_2, NormanBulbieJr_2, Priscilla_2, Crumble_2, FreddyB_2, Pippy_2, LastJedi_2, Clifton_2, Cabrinians_2, Koella_2
- Track 584 : Eish_2
- Track 585 : ByChance_2, Lizziana_2, ShowerHandel_2, SwagPiggett_2, Martik_2
- Track 586 : Wachhund_2
- Track 587 : Ibhubesi_2, Harley_2
- Track 588 : Saal_2, Brocalys_2, Gorge_2
- Track 589 : VRedHorse_2

- Track 590 : Doug_2, Philus_2, LilMoolah_2, Moonbeam_2, Eradicator_2
- Track 591 : Vivum_2
- Track 592 : Nivrat_2
- Track 593 : Phanphagia_2, Kenuha5_2, Zizzle_2, Bipolar_2, MadMen_2, Karhdo_2, Melissauen88_2, Shauna1_2, Aubs_2, MilleniumForce_3, DillTech15_2, Chuckly_2, KingJulian_2, Taj_2, SuperGrey_2, EleanorGeorge_2, Donkeykong_2, Bubbles123_2, Fastidio_2, StAnnes_2, XFactor_2, Corium_2, Fruitloop_2, Batiatus_2, Whatsapiecost_2, ShroomBoi_2, Filuzino_2
- Track 594 : Violac_2
- Track 595 : Juniper1_2
- Track 596 : Modragons_2
- Track 597 : Hlubikazi_2, Mandlovu_2, Strokeseat_2
- Track 598 : MilanaBonita_3, Firehouse51_2, Akhila_3, Royals2015_2
- Track 599 : Chevrolet_2, ArcusAngelus_2
- Track 600 : Mattes_2
- Track 601 : PhesterPhotato_2
- Track 602 : Wee_2, DeadP_2
- Track 603 : Jarcob_2, ShiLan_2
- Track 604 : Latretium_2
- Track 605 : IbOuu_2, DaddyRickover_2
- Track 606 : EmiMonkey_2, Gandalph_2, GigiOuiOui_2, Mantra_2, PhilipPhlop_2
- Track 607 : Kersh_2
- Track 608 : Zerg_2
- Track 609 : NewHope4_2
- Track 610 : Girr_2, Ruby_2, MisterCuddles_2, SiSi_2
- Track 611 : Polo2Bam_2
- Track 612 : Grimmer_3
- Track 613 : Hades_2
- Track 614 : KristaRAM_3
- Track 615 : Blexus_2
- Track 616 : Mutaforma13_2
- Track 617 : Whouxphf_2
- Track 618 : TDanisky_2, Sparkdehlily_2, DRBy19_2
- Track 619 : DLane_2
- Track 620 : Fancypants_2
- Track 621 : Llama_2, Jinglebell_2, Ochi17_2
- Track 622 : GUmbie_2, Veteran_2
- Track 623 : Estave1_2
- Track 624 : Seabastian_2, AlpineSix_2, OfUltron_2
- Track 625 : Florinda_2
- Track 626 : PMC_2, Rockne_2
- Track 627 : Ms6_2
- Track 628 : Maravista_2
- Track 629 : DoRead_2
- Track 630 : Che8_2
- Track 631 : Yorick_2
- Track 632 : Llij_2
- Track 633 : BobaPhett_2
- Track 634 : Guppsters_2
- Track 635 : IMpilo_2
- Track 636 : Burwell21_2
- Track 637 : Sabbb_2
- Track 638 : James_2, Polka14_2

- Track 639 : Leperchaun_2
- Track 640 : Spartacus_2, IrishSherpFalk_2, WillSterrel_2
- Track 641 : Byougenkin_2
- Track 642 : Phatniss_2
- Track 643 : Nitzel_3
- Track 644 : Cheesepuff_2
- Track 645 : Mahavrat_2
- Track 646 : Renaud18_2, TChen_2, ThetaBob_2, LunaStella_2
- Track 647 : Cornie_2
- Track 648 : Toron_2
- Track 649 : Hum25_2
- Track 650 : JoieB_36, Marvin_33, Poise_35, Beelzebub_39, RedRaider77_35, Huphlepuuff_37, Raela_35, Lilbit_36, Blackbeetle_35, LittleLaf_35, FeliMaine_37, Pringar_35, MosMoris_33, Gattaca_34, Caprice_32, Corazon_33, GoongGoong_34, VasuNzinga_35, Tesla_34, Clarkson_36
- Track 651 : Bernal13_3, Nairb_3, RonRayGun_3, ZenTime222_3, Whitty_3, Ibrahim_3
- Track 652 : Nette_3
- Track 653 : Mendokysei_2
- Track 654 : Kromp_2
- Track 655 : TPA4_2
- Track 656 : Ibantik_67
- Track 657 : Samy_5
- Track 658 : GMA4_2
- Track 659 : Footloose_2
- Track 660 : ChewyVIII_38
- Track 661 : GAL1_4
- Track 662 : DS6A_5
- Track 663 : Juicebox_3
- Track 664 : Attoomi_3

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

The start number called the most often in the published annotations is 54, it was called in 363 of the 1347 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A6_09, AFIS_11, AbbysRanger_11, Abbyshoes_12, Abdiel_11, Abrogate_120, Achebe_11, Adahisdi_12, Aeneas_13, Agaliana_11, Ajay_11, Albee_11, Alberto7_12, Alsfro_15, Altman_12, Alvin_12, Annyong_11, Applejack_11, Arcanine_12, Arlo_10, Arturo_10, Atkinbua_12, AvatarAhPeg_11, Avle17_11, B1_09, BK1_09, BPBiebs31_12, Baby16_11, BabyJohn_10, BabyRay_11, Backyardigan_11, BaconJack_13, Badger_11, BangNhom_10, Barriga_11, BarrowTuph_10, Bartimeaus_11, BeesKnees_12, BellusTerra_11, BigPaolini_12, Bigchungu_11, Bigfoot_10, BillKnuckles_12, Bircsak_11, Blackmoor_11, BluSpix_11, BlueBird_12, Blue_11, Bob3_10, Bombshell_11, Bones_11, Briton15_13, Broseidon_11, Bruiser_11, BubbleTrouble_11, Bugatti_11, Bumblebee11_11, Burger_10, Buttons_12, Bxb1_10, CactusRose_10, Caelakin_11, Camperdownii_10, Carlyle_13, Caviar_12, CentreCat_11, Cerulean_11, ChampagnePapi_11, Chanagan_10, Chaph_11, Chiqui_10, Chupacabra_11, Ciao_11, Cici_11, Cindaradix_10,

Cintron_11, Citius_11, Clarenza_11, Cocoaberry_11, Commander_11, ConceptII_11, Connomayer_11, Corvo_11, Crispicious1_10, Cueyllyss_11, DD5_12, Datway_11, Deano_11, Dexes_12, Dhanush_11, DirtyDunning_11, DontArgue_10, Doom_11, DrFeelGood_10, Drake94_10, Dreamboat_12, DroogsArmy_12, DropBear_11, Druantia_11, Dulcie_10, Dussy_12, DustyMartin_14, Dynamix_12, Eagle_10, Eaglepride_12, Eapen_11, Edison31_11, Edtherson_12, Emotion_2, EnzoK_11, Eris_11, Eros_11, Espresso_11, Euphoria_11, Eurydice_11, Eyeball_11, Farewell_2, Fascinus_10, Florean_11, Flux_11, FlyCatcher_15, Forsytheast_10, Francis47_11, Fred313_11, Froghopper_12, Funston_11, GMonster_10, Gadost_11, Gandalf20_12, Giroux_11, Gompeii16_11, Goose_11, Graduation_13, GrecoEtereo_12, Gwendoluna_13, HINdeR_11, HamSlice_10, Hami1_13, HanShotFirst_11, Happiness_11, HarryOW_12, Heathen_11, HelDan_11, Hermia_13, HermioneGrange_12, Holli_11, Homines_11, Hookmount_12, Hope4ever_11, Houdini22_11, Huxley_11, ICleared_11, ILeeKay_13, Iceman_11, Ichabod_12, Idleandcovert_11, IgnatiusPatJac_10, Inyanga_10, Iqorha_10, Iracema64_11, Isca_11, JC27_13, JF2_11, JF4_11, JackSparrow_12, Jasper_12, Jaykayelowell_11, JetBlade_11, JoongJeon_11, Jorgensen_11, JuliaChild_13, KBG_12, KFPoly_11, KSSJEB_11, Kachowdy_11, Kampy_11, Kanely_12, Katalie136_11, Killigrew_9, Kimona_8, Kingmustik0402_11, KittenMittens_10, Koan_10, Koreni_10, Kratak_11, Kremtemulon_11, Kristoff_12, Kugel_12, KyMonks1A_13, Kyee_11, Kykar_9, LHTSCC_11, Lambert1_12, Lamina13_11, LappelDuVide_11, Lemur_11, Lesedi_10, Licorice_13, LilBib_12, LittleB_11, LittleGuy_11, LochMonster_11, Lockley_11, Lorenzo_11, LunarLander_11, Lunsford_12, MA5_11, MK4_11, MPlant7149_10, Magnar_11, Magnito_10, Manatee_12, Marcell_11, Marchesa_11, Marchy_10, Marco3_11, Margo_12, Maroc7_10, Marsha_11, MaryBeth_11, Maverick_11, Maxo_11, Mayonnaise_11, Mazhar510_11, McGuire_12, McSinger_12, Medusa_11, MeeZee_11, Melvin_11, MetalQZJ_11, Michley_11, Miramae_11, Molly_12, Moose_10, Morpher26_11, MrGordo_11, Mryolo_10, Mule_11, Mundrea_11, NEHalo_11, Nebs_11, Nerujay_12, Nhonho_11, Noella_12, Noelle_11, Norbert_11, NorthStar_11, Norz_13, NotAPhaseMom_11, Nyxis_11, OKCentral2016_11, OKaNui_11, Obama12_11, Ohfah_11, Ohno789_10, Oogway_10, PP_21, PSullivan_13, PacerPaul_11, Palestino_11, Panamaxus_12, Papez_13, Paphu_10, Paraselene_10, Pari_12, Parliament_10, PascalRango_10, Payneful_11, PeaceMeal1_10, Peaches_11, Pelly_12, Pepe_12, Perplexer_11, Perseus_12, PeterPeter_11, Peterson_14, PetiteSangsue_11, Petruccio_11, Phacado_11, Phantastic_11, Phelipe_11, PherrisBueller_12, Phighter1804_11, Phontbonne_11, PhrostyMug_11, PinkPlastic_10, Pinto_13, Pipcraft_11, Pistachio_12, Pita2_13, Pocahontas_12, Polymorphads_11, Poompha_10, Popcicle_12, ProMouse_10, Pumbaa_11, Puppy_12, QTRLifeCrisis_11, QuinnKiro_11, Raid_12, Rajelicia_11, Rebeuca_12, Relief_11, ResDef_12, RhynO_12, Rhynn_11, RidgeCB_11, Ringer_11, Rockstar_11, Rohr_12, Romney_11, Roosevelt_11, Rosa24_10, Rowdy_14, Ruin_11, Ruotula_10, STLscum_12, Sabertooth_11, Saftant_6, Sagefire_12, Sandaddy_10, Sanya_10, SarFire_11, SaturnRing_11, Scamp_11, Scout_11, Scowl_12, Seabiscuit_13, Seanderson_12, SenorClean_10, Severus_10, Shaka_11, Shapes_14, Sheen_13, SheldonCooper_11, ShortQueendom_10, Shygu2_11, SkiPole_13, Slagathor_12, Smairt_12, Smeagol_12, Snazzy_9, Solon_11, Sorpresa_11, Sparky_2, Sparxx_11, Spino_11, Squee_12, Stasia_12, StewieG_10, Stink_11, Sumter_10, Sunshine924_10, SwissCheese_11, Switzer_12, Swole_13, TNguyen7_11, Taquarus_11, Target_13, Tasp14_12, Teodoridan_9, Texage_11, Thanksgivukkah_11, TheloniousMonk_13, Thor_11, Timshel_12, TinaFeyge_11, Tinybot_10, TiroTheta9_11, Todacoro_12, Topanga_11, Topgun_11, Toro_14, Tote_13, Traft412_13, Trike_9, Tripl3t_12, Trouble_11, TroyPia_11, Turj99_10, Twister_11, TwoPeat_12, TygerBlood_11, U2_11, Ulysses_10,

Veracruz_11, WalterMcMickey_11, Wander_11, Watermelon_13, Wheeler_11, Wilbur_11, Wile_11, Wilkins_11, Wizard007_11, Xena_11, YoSam321_11, Zeeculate_10, Zephyr_11, Zeuska_12,

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

• Alsaber_7, Amela_6, Celery_8, Conan_7, Dexers_5, ElGato_7, Kaine_6, LeoAvram_11, Nemo27_11, Pavo_7, Provolone_7, Skipitt_11, Speedwell_7, TPA4_2, Vanseggelen_9, Verse_6, Yosif_7, phiCAM_06,

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

• 20ES_12, 40AC_15, 8UZL_5, ACFishhook_13, AEgle_2, AGrandiflora_2, AN3_12, AN9_15, ANI8_15, Aaronocolus_6, AbbyPaige_14, Abscondus_29, Acme_13, Acolyte_12, Adolin_2, Adumb2043_2, Adzzy_13, Agape74_14, Agatha_4, AgentM_9, Aglet_13, AgronaGT15_13, AikoCarson_3, AinMach_2, Airmid_9, Akhila_3, Alatin_8, Aliter_13, Alma_13, Alpacados_7, AlpineSix_2, Alvy_8, Amethyst_6, Amok_3, Amyev_2, Anaysia_14, AndPeggy_3, Andris_6, Aneem_12, Anekin_2, Angelique_2, AngryOrchard_7, Animus_7, AnnaL29_15, Anon_12, Anselm_12, Anthony_11, Anubis_15, Aphelion_30, Apiary_28, AppleCloud_6, Apricot_2, Aragog_9, ArcherNM_14, Archetta_9, ArcusAngelus_2, Ardmore_2, Arianna_3, Arissanae_11, Artemis2UCLA_15, Arti_24, Asa16_2, Ascela_2, Ashballer_10, Ashes_2, Asten_6, Astro_9, Attoomi_3, Aubs_2, AugsMagnumOpus_15, Axiom_7, Axym_4, Azira_6, BABullseye_15, BabyBack_14, Bachita_32, Bachome_12, Bactobuster_13, Baehexic_13, Bantam_12, Barnstormer_2, BarryBee_8, BartholomewSD_8, Batiatus_2, Battleship_15, Bavilard_4, BearBQ_2, BeardedLady_7, Beaupre_2, Beauxregard13_13, BeeGee_2, Beelzebub_39, Beemo_13, Belenaria_8, Benedict_9, BengiVuitton_13, Benvolio_12, Bernal13_3, Berrie_2, BiPauneto_27, BiancaTri92_14, BigChungus_3, BigMau_13, Bigflo_13, BillDoor_6, Bipolar_2, Birdsong_2, Biskit_5, Blackbeetle_35, BlessJoy_15, Blexus_2, Blinn1_15, Blondies_4, Blue7_15, BlueCrab_2, Bluefalcon_8, BobSwaget_15, BobaPhett_2, BobbyDazzler_8, BodEinwohner17_2, BogosyJay_13, Bonamassa_9, Bonanza_8, Bonum_27, Boohoo_14, Bovely_6, Bowden_7, Bowtie_12, Bradissa_2, Bradman_11, Bradshaw_8, Brataylor_7, Braxoaddie_28, BreSam8_13, BritBrat_2, Brocalys_2, Bruns_10, BrutonGaster_18, BryanRecycles_7, Bryce_8, Bubbles123_2, Bud_12, Buggaboo_25, Buggy_14, Burnsey_4, Burton_12, Burwell21_2, Button_5, Buttrmlkdreams_4, BuzzBuzz_12, Bxz2_13, ByChance_2, Byougenkin_2, C3_10, CRB1_12, Cabrinians_2, Caelum_7, Caliburn_6, Calvinny_14, Candra_15, CanesSauce_4, Cappuccino_2, Caprice_32, CaptainTrips_3, Caraxes_11, Cardigan_30, Caron_2, Carsonalex_5, Cashline_2, Cassia_2, Catalina_13, Celeste_6, Celia_6, Cen1621_2, Centaur_14, Chadwick_10, Changeling_15, Chargerpower_12, Charm_12, Chartreuse_15, Che12_13, Che8_2, CheesePuff_2, CherryonLim_5, Chevrolet_2, ChewyVIII_38, ChickenTender_6, ChipMunk_14, ChocoMunchkin_4, Chuckly_2, Chucky_6, Clarkson_36, Cleo_4, Clifton_2, CloudWang3_15, ClubL_30, CoffeeBean_28, Colbster_13, Colin_16, Colleen_3, Commandaria_26, Community_3, Confidence_2, Conquerage_13, Conspiracy_9, Coog_9, Cookiedough_15, Corazon_33, Corium_2, Cornie_2, CosmicSans_8, Cozz_4, Crater_2, Crewmate_3, Crucio_12, Crumble_2, Cuco_9, Cucurbita_32, Cullens_13, Culver_30, Cyan_2, D29_13, D32_15, DBQu4n_15, DLane_2, DRBy19_2, DS6A_5, DaHudson_13, DaVinci_15, DaddyRickover_2, Daenerys_2, Daishi_12, Dalilpop_29, Dalmatian_12, Danforth_8, Dante_2, Danzina_7, Daredevil_12, Darrell_14, DarthPhader_13, Darwin_15, DatBoi_13, Dattran_7, Daudau_6, DeadP_2, Deb65_2, DekHockey33_14, Deloris_13, Diane_6, Dieselweasel_13, Dignity_14, DillTech15_2, Dinger_8, Discoknowium_9, Dixon_9, DoRead_2, Donkey_2, Donkeykong_2, Doomphist_2, Dorothea_15, Dorothy_2,

DotProduct_2, Doug_2, DrManhattan_2, DrSierra_2, Drake55_14, Dre3_4, DreamCatcher_14, DreamTeam1_12, Dublin_8, Dubu_2, DudeLittle_12, Duplo_15, Dusty_28, Dwayne_6, ELB20_05, EMSquaredA_2, EZMoney23_16, EagleEye_14, Ebony_12, Echild_12, Eddasa_7, EdogawaKiddo_11, Eidsmoe_13, Eish_2, Ejemplo_6, EITiger69_9, EleanorGeorge_2, Elephantoon_13, Elezi_2, Elinal_5, Elliott_4, Emaanora_8, Emalyn_3, EmiMonkey_2, Emianna_24, Emma_2, Empress_2, EmyBug_13, EnalisNailo_2, Engineer_31, Ennea_30, EnochSoames_7, EpicPhail_13, Epsocamisio_14, Equemioh13_14, Eradicator_2, Eraser_2, EricB_15, Erik_8, Esperer_6, Espica_8, Estave1_2, Et2Brutus_11, Euratis_2, EvilGenius_14, Exile_2, Expelliarmus_8, ExplosioNervosa_13, FF47_05, Fajezeel_13, Fameo_12, Fancypants_2, Farber_13, Fastidio_2, FatCactus_10, Fayely_13, Feastonyeet_3, FeliMaine_37, Fernando_13, Fibonacci_12, Filuzino_2, Firehouse51_2, FiringLine_12, First_0012, Flapper_28, Flare16_12, Flaverint_12, Float294_26, Floof_2, Floral_2, Florinda_2, Footloose_2, ForGetIt_9, Foxboro_25, FreddyB_2, Fribs8_5, Fruitloop_2, Fury_33, Fushigi_12, GAL1_4, GMA4_2, GRU1_terL, GTE2_02, GTE5_terL, GTE8_13, GUMbie_2, GageAP_13, Gail_11, Galactic_2, Gambol_2, Gandolph_2, Garak_16, GardenState_2, Gattaca_34, GaugeLDP_14, Geeche_29, Gemma_13, George_8, Georgie2_13, Geralt_2, Ghoulyboy_9, GiKK_7, Gibbous_4, GigiOuiOui_2, Gilberta_12, GingkoMaracino_13, Giorgio_2, GirlDinner_6, Girr_2, Gladiator_15, Goby_6, Godpower_7, GoldHunter_5, Gollum_8, GoongGoong_34, Gorge_2, Gratitude_13, GreedyLawyer_15, Greg_13, Gretchen_2, Grif_13, Grimmer_3, GrootJr_26, Groundhog_8, Groupthink_14, Grub_13, Grum1_13, Gruunaga_15, GtownJaz_13, Gumpizza_2, Guppsters_2, GuyFagieri_28, Gyzlar_13, Hades_2, Haizum_6, Halsey_2, Hammer_15, Hamulus_2, Hank144_7, Hanray_12, Harlequin_8, Harley_2, HarryHoudini_14, HashRod_14, HaveUMetTed_14, Heather_2, Heffalump_14, Heliosoles_13, Helmet_16, Herbertwm_10, Hercules11_13, Hestia_2, Hexamo_15, Hexbug_5, HippoPololi_6, Hippo_6, Hiro_8, Hlubikazi_2, Holes_12, Honk_2, Hoot_15, Horseradish_5, HortumSL17_13, HubbaBubba_22, HuhtaEnerson15_9, Hum25_2, Huphlepuuff_37, Hutc2_12, Hydra_8, IAmGroot_2, IDyn_25, IPilo_2, IbOuu_2, Ibantik_67, Ibhubesi_2, Ibrahim_3, Indigo_6, Indra_15, Insomnia_12, Inventum_2, IrishSherpFalk_2, IronMan_14, Isiphiwo_15, Issmi_7, Iter_2, IttyBittyPiggy_2, Itza_6, Iwokeuplikedis_12, Izzy_7, JHC117_13, JSwag_14, Jaan_15, Jabiru_9, Jabith_12, Jablanski_2, JacoRen57_2, James_2, Jamzy_7, Janeemi_3, Jant_2, Janus_7, Jacob_2, Jash_7, JasmineDragon_2, Jeeves_11, Jeffabunny_15, JenCasNa_13, JeppNRM_14, Jerm2_12, Jerm_14, Jester_8, Jevington_8, JewelBug_15, Jiawan_12, Jifall16_23, Jinglebell_2, Jobu08_13, Joemato_2, JoeyJr_2, JohnDoe_2, JoieB_36, Jordennis_15, Joselito_12, JoshKayV_14, Journey13_10, Jovo_9, Jsquared_11, Jstan_2, Juicebox_3, JuneStar_2, Juniper1_2, KADY_14, Kabluna_27, Kalb97_14, Kalimba_2, Kalnoky_14, Kalpine_15, Karhdo_2, Katalie_7, KatherineG_14, KayGee_4, Kaylissa_2, Kazan_15, KeAlii_2, Kenmech_14, Kenuha5_2, Kerberos_15, Kersh_2, Keziacharles14_11, KidneyBean_24, Kimchi1738_12, KingCyrus_14, KingJulian_2, KingMidas_2, Kinmap_11, Kipper29_15, Koduck_12, Koella_2, Koko_15, Krakatau_3, Krishelle_8, KristaRAM_3, Kromp_2, Kurt_24, Kuwabara_2, L5_13, LBerry_13, LadyAstra_2, LadyBird_12, Landor_13, Lannister_7, Larenn_13, LarryKay_13, LastJedi_2, LastResort_14, Latretium_2, Lauer_3, Legacy_6, Lego_2, Leogania_14, Leperchaun_2, Lev2_9, Leviathan_14, Leviticus_6, Liebe_2, Lika_6, LilMoolah_2, LilTurb_14, Lilas_2, Lilbit_36, Lilbooboo_2, Lilbunny_15, Lilith_13, Lilleskat_11, Lillie_8, LionsBait_13, LittleCherry_9, LittleLaf_35, Lizalica_2, Lizziana_2, Llama_2, Llij_2, Lokk_15, Lollipop1437_29, London_2, LoneWolf_13, LonelyBoi_2, Loofah_7, Looper_15, Lorelei_6, Loser_15, Louie6_13, Lowa_13, Lozinak_30, Luchador_12, Lucivia_12, Lucyedi_13, LugYA_15, LunaBlu_2, LunaStella_2, MAnor_4, MScarn_6,

MUWow_2, MaCh_12, MaGuCo_2, MaVan_6, Mabel_12, Mabodamaca_2, MacGully_32, Maco6_3, MadMarie_13, MadMen_2, Mahavrat_2, Mainiac_13, MajorMajor_11, MalagasyRose_7, Malec_13, Malinsilva_15, Maminiaina_13, Mandlovu_2, Maneekul_6, Mantra_2, Manu_14, MarQuardt_13, Marav_9, Maravista_2, Margaret_7, Marge_12, Marie_13, Marietta_26, Marius_14, Marteena_2, Martik_2, Marvin_33, MarysWell_8, Maselop_28, Mattes_2, Maureen_2, Mayweather_5, McFly_15, Melissauren88_2, Mendokysej_2, MerCougar_25, Methuseloh_13, Micasa_9, Microwolf_13, MiculUcigas_12, Midas2_9, Miko_15, MilanaBonita_3, Milcery_9, MilleniumForce_3, Millski_11, MinecraftSteve_15, MiniMommy_2, MinionDave_3, Minnie_2, Miskis_28, Misomonster_15, MissSwiss_2, MissWhite_12, MisterCuddles_2, Mkhuseji_12, Modragons_2, Mollymur_13, Monet_13, MoneyMay_13, Moonbeam_2, Morrow_11, MortyNRick_2, MosMoris_33, Moss_2, Ms6_2, MuchMore_15, Muddy_5, Mudpuppy_2, MulchSalad_2, Mulciber_12, Munch_12, MunkgeeRoachy_4, Museum_13, Mutaforma13_2, MyraDee_9, Mysterium_2, Myxus_13, NaSiaTalie_12, Nabi_6, Naca_9, NadineRae_24, Naiad_8, Nairb_3, Naji_15, Nancinator_8, Nanodon_8, NatB6_24, Natosaleda_8, NearlyHeadless_9, Nebulosus_14, Nedarya_13, Neeharika16_15, Nerdos_6, Nergal_5, Nette_3, NewHope4_2, Newrala_15, Nibbles_6, NicoleTera_16, Nimbo_2, Nina_4, Niobe_2, Nishikigoi_6, Nitro_2, Nitzel_3, Nivrat_2, Niza_13, NoShow_2, Nodigi_5, NormanBulbieJr_2, Norvs_31, NosilaM_27, NothingSpecial_14, NovumRegina_24, ObiToo_2, Ochi17_2, Odin_11, OfUltron_2, OlanP_13, OldBen_2, Oliynyk_7, Ollie_13, OlympiaSaint_2, Omar_7, OneUp_24, Onglai_12, Oofda_15, Orange_12, Orla_5, Outis_25, Ovechkin_2, Ozzie_6, OzzyJ_7, P28Green_13, PGHhamlin_15, PHappiness_2, PMC_2, Pablito_6, Pacc40_2, PackMan_13, Paedore_6, PainterBoy_13, Paolo_8, Partridge_8, Patio_27, PattyP_13, Pawn_13, Pembroke_13, Penny1_13, Percival_2, Persistence_2, Petersenfast_11, PetterN_10, Ph8s_13, Phaded_15, Phaeder_13, PhailMary_7, Phalconet_2, Phanphagia_2, Pharaoh_12, Phasih_2, Phatniss_2, PhesterPhotato_2, Phettuccine_6, Phillis_9, Philus_2, PhinkBoden_30, PhishRPhriends_12, Phives_3, Phlei_8, PhlipPhlop_2, Phlorence_9, Phoebe_13, Phomeo_23, Phonnegut_13, Phoxy_13, Phrank15_2, Phrankenstein_8, Phranny_14, PickleBack_9, Pioneer_13, Pippin_13, Pippy_2, Piro94_13, Pixelle_2, Pleakley_33, Pmask_15, Poenanya_2, Poise_35, Polka14_2, Pollux_2, Polo2Bam_2, Polyphemus_14, Polyuyuki_28, Pomar16_15, Pons_4, PopTart_2, Posh_2, PotPie_4, PotatoSplit_14, Poushou_3, Power_12, Powerpuff_2, Priamo_15, Prinashel1_10, Pringar_35, Priscilla_2, Priya_13, PsychoKiller_4, Puginator_8, Pukovnik_14, Pumpkins_2, PurpleHaze_13, Pytheas_2, Qobbit_13, Quasar_4, QueenB2_12, QueenBeesly_12, QuickMath_2, Quokka_10, R4_6, RER2_1, Rachaly_15, Radiance_2, Raela_35, Rahalelujah_11, Rana_6, RanchParmCat_7, Rasputin_8, ReMo_14, Reba_14, RedBaron_5, RedBear_8, RedBird_2, RedRaider77_35, RedRaider_31, RedRock_15, Reedo_2, Refuge_15, RemusLoopin_2, Remus_14, Renaud18_2, Retro23_12, RexFury_8, Rhodalysa_8, Rifter_15, RitaG_2, Rita_2, Roary_9, RockScotty_2, Rockne_2, Roksolana_15, RonRayGun_3, Rosalind_14, Royals2015_2, Rubeus_12, Ruby_2, Rufus_12, Rummer_13, Rusticus_7, Rutherford_13, RyeScarlet_14, SG4_2, SPB78_2, Saal_2, Sabbb_2, Sabia_13, Sabinator_13, Sabourin_2, Sachima_11, Saintus_9, Salz_12, Samora_2, Samy_5, Sandalphon_2, SarahRose_6, Sassafras_2, SassyB_2, Scherzo_13, Scorpia_10, Scottish_2, Scuba_33, Seabastian_2, Sebastisaurus_2, SemperFi_14, Serenity_11, Shaffner_2, ShakeltOph_2, Sham4_12, Shauna1_2, Shawty_2, ShayRa_15, SheaKeira_12, SheckWes_3, ShiLan_2, ShowerHandel_2, ShroomBoi_2, Shuman_8, SiSi_2, Sibs6_13, Simpson_2, SketchMex_3, Sknot_13, Skysand_26, Smeadley_9, Smeagan_14, SmellyB_15, Smoothie_31, SnapTap_12, Snape_12, Snek_3, Snickers_13, Snorlax_6, SoYo_13, Socotra_5, SoilDragon_13, Soondubu_2,

Sooty_2, Sopespian_4, SororFago_11, Soshari_15, Soups_14, South40_7, Sparkdehlily_2, Spartacus_2, SpecialK_2, SpeedDemon_130, Spike509_13, SpikeBT_13, Spooks_48, Spoonbill_2, Spouty_13, SqueakyClean_7, StAnnes_2, StCroix_8, Stagni_13, StarStruck_25, StarStuff_15, Starburst_5, SteamedHams_6, Steamy_13, StepMih_13, Stephig9_9, Strokeseat_2, Strosahl_14, Stuu_2, SuMoo_2, Subaru_2, Success_50, Sue2_2, Sujidade_7, Sukkupi_26, SummitAcademy_3, Sunhee_10, SunsetPointe_6, SuperAwesome_15, SuperCallie99_15, SuperGrey_2, SuperSulley_25, Superchunk_11, Superstar_8, Survivors_6, SwagPiggett_2, Swann_8, SweatNTears_6, SweetiePie_12, SwirlSquare_14, Swirley_9, Switzerland_14, SydNat_9, TChen_2, TDanisky_2, TG1_2, TWAMP_8, TAgePhighter_7, Taj_2, Takoda_8, Tallboi_2, TarsusIV_12, Tarynearal_8, Taurus_13, Tbone_2, Tefunt_6, Temprado_16, Terrific_16, Tesla_34, TforTroy_2, Theia_8, Thestral_7, ThetaBob_2, Tian_2, Tiffany_13, Tiger_9, Timothy_12, TinaBelcher_6, TinyPebbles_13, TinyTimmy_12, TipsytheTRex_11, Toaka_11, Tolls_6, Toma_6, Tomathan_15, ToneTone_14, Toniann_30, Toron_2, TouchMeNot_3, Towmatter_12, Tracker_24, Travvers_15, Treddle_13, Tristan_13, Triste_6, Trixie_15, Troje_4, Trooper_12, TrvxScott_5, TuanPN_6, Tubs_13, Tuck_3, Tucker_15, Turab_2, Turbido_14, Turuncu_28, Tutumahutu_2, Tweety19_3, Tweety_2, Twigg_9, Typhonomachy_5, Ugenie5_10, UhSalsa_8, UnionJack_9, Unstoppable_6, Updawg_14, Urza_6, UtzChips_2, VA6_12, VC3_15, VRedHorse_2, VResidence_2, VWB_2, Vanisoa_11, Vash_2, VasuNzinga_35, Verabelle_7, Veteran_2, VieEnRose_6, Vine_5, Violac_2, Vivum_2, Vix_13, VohminGhazi_15, VroomVroom_2, Wachhund_2, Waits_14, Warda_2, Warrior24_15, Watson_13, Wee_2, WeiHuaDA_18, Werner_6, Whabigail7_14, Whatever_6, Whatsapiecost_2, Wheezy_24, Whitty_3, WhoseManz_26, Whouxphf_2, WideWale_14, Wiks_15, Wildwest_3, WillSterrel_2, WilliamBoone_30, Wooldri_15, Wrigley_2, WunderPhul_15, XFactor_2, XianYue_12, Yakult_5, Yang_2, Yarn_3, Yasdnil_6, Yecey3_12, YesChef_2, Yndexa_26, Yogi_8, Yokurt_15, Yoncess_8, Yorick_2, Yucky_5, Yummy_5, Yvonnetastic_28, Zainub_8, Zaka_15, Zareef_7, Zemlya_7, ZenTime222_3, Zerg_2, Zeta1847_2, Zetzy_12, Zimmer_14, Zizzle_2, Zolita_8, Zulu_15, phiBT1_33, phiSASD1_22,

Summary by start number:

Start 20:

- Found in 17 of 1521 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Mendokysei_2 (T),

Start 29:

- Found in 44 of 1521 (2.9%) of genes in pham
- Manual Annotations of this start: 19 of 1347
- Called 43.2% of time when present
- Phage (with cluster) where this start called: AgentM_9 (A5), Archetta_9 (A5), Bluefalcon_8 (A5), Conspiracy_9 (A5), Cuco_9 (A5), Discoknowium_9 (A5), Dublin_8 (A5), EITiger69_9 (A5), ForGetIt_9 (A5), George_8 (A5), Ghoulyboy_9 (A5), Milcery_9 (A5), Naca_9 (A5), Phlorence_9 (A5), PickleBack_9 (A5), Swirley_9 (A5), Tarynearal_8 (A5), Theia_8 (A5), UnionJack_9 (A5),

Start 32:

- Found in 51 of 1521 (3.4%) of genes in pham
- Manual Annotations of this start: 30 of 1347

- Called 62.7% of time when present
- Phage (with cluster) where this start called: Airmid_9 (A5), Aragog_9 (A5), Astro_9 (A8), Benedict_9 (A5), Bonamassa_9 (A5), Chadwick_10 (A5), Coog_9 (A5), Danforth_8 (A8), Dixon_9 (A8), Expelliarmus_8 (A8), Groundhog_8 (A8), HuhtaEnerson15_9 (A5), Jabiru_9 (A5), Jovo_9 (A5), Lev2_9 (A5), LittleCherry_9 (A5), MarysWell_8 (A5), Micasa_9 (A5), Midas2_9 (A5), NearlyHeadless_9 (A8), PetterN_10 (A5), Phillis_9 (A8), Prinasha11_10 (A5), Roary_9 (A8), Saintus_9 (A8), Scorpia_10 (A5), Smeadley_9 (A8), Stephig9_9 (A8), SydNat_9 (A5), Tiger_9 (A5), Twigg_9 (A5), Zolita_8 (A5),

Start 42:

- Found in 9 of 1521 (0.6%) of genes in pham
- Manual Annotations of this start: 7 of 1347
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Bernal13_3 (T), Footloose_2 (singleton), Ibrahim_3 (T), Nairb_3 (T), Nette_3 (T), RonRayGun_3 (T), Whitty_3 (T), ZenTime222_3 (T),

Start 44:

- Found in 1 of 1521 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_7 (AG),

Start 45:

- Found in 1 of 1521 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_5 (AG),

Start 48:

- Found in 1 of 1521 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DS6A_5 (singleton),

Start 50:

- Found in 15 of 1521 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Provolone_7 (BD3),

Start 52:

- Found in 3 of 1521 (0.2%) of genes in pham
- Manual Annotations of this start: 3 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Liebe_2 (AZ2), MaGuCo_2 (AZ2), Maureen_2 (AZ2),

Start 53:

- Found in 115 of 1521 (7.6%) of genes in pham
- Manual Annotations of this start: 92 of 1347
- Called 87.8% of time when present

- Phage (with cluster) where this start called: Aaronocolus_6 (BD1), Alsaber_7 (BD3), Alvy_8 (BD2), Amela_6 (BD3), Amethyst_6 (BD2), Andris_6 (BD2), Animus_7 (BD2), Asten_6 (BD1), Axiom_7 (BD2), BarryBee_8 (BD1), BartholomewSD_8 (BD2), Bovely_6 (BD1), Bowden_7 (BD2), Brataylor_7 (BD1), BryanRecycles_7 (BD1), Caelum_7 (BD2), Caliburn_6 (BD1), Celery_8 (BD3), Celeste_6 (BD1), Celia_6 (BD6), Chucky_6 (BD1), Conan_7 (BD3), Danzina_7 (BD1), Dattran_7 (BD1), Daudau_6 (BD2), Dexers_5 (BD3), Diane_6 (BD2), Dwayne_6 (BD1), ELB20_05 (BD2), Eddasa_7 (BD1), Ejemplo_6 (BD1), ElGato_7 (BD3), Emaanora_8 (BD1), GirlDinner_6 (BD2), Goby_6 (BD1), Godpower_7 (BD1), Haizum_6 (BD2), Hank144_7 (BD2), Hippo_6 (BD1), Hydra_8 (BD1), Indigo_6 (BD1), Issmi_7 (BD2), Itza_6 (BD6), Izzy_7 (BD1), Janus_7 (BD2), JasmineDragon_2 (AZ4), Jevington_8 (BD2), Kaine_6 (BD3), Katalie_7 (BD1), LadyAstra_2 (AZ4), Lannister_7 (BD1), Legacy_6 (BD1), Lika_6 (BD1), Loofah_7 (BD2), Maneekul_6 (BD1), Marav_9 (BD2), MiniMommy_2 (AZ4), Nabi_6 (BD1), Nanodon_8 (BD1), Nerdos_6 (BD1), Nishikigoi_6 (BD2), Oliynyk_7 (BD1), Omar_7 (BD2), OzzyJ_7 (BD1), Pablito_6 (BD2), Paedore_6 (BD2), Paolo_8 (BD2), Pavo_7 (BD3), Phettuccine_6 (BD1), Puginator_8 (BD2), R4_6 (BD2), Rana_6 (BD1), RedBear_8 (BD1), SarahRose_6 (BD1), ShakeltOph_2 (AZ4), Snorlax_6 (BD1), South40_7 (BD1), Speedwell_7 (BD3), SqueakyClean_7 (BD2), Sujidade_7 (BD1), Superstar_8 (BD2), TagePghter_7 (BD1), Tefunt_6 (BD2), Thestral_7 (BD2), TinaBelcher_6 (BD2), Triste_6 (BD1), TrvxScott_5 (BD2), TuanPN_6 (BD1), Urza_6 (BD6), Vanseggelen_9 (BD3), Verabelle_7 (BD3), Verse_6 (BD3), VieEnRose_6 (BD6), VroomVroom_2 (AZ4), Werner_6 (BD1), Whatever_6 (BD1), Yasdni_6 (BD1), Yosif_7 (BD3), Zainub_8 (BD2), Zemlya_7 (BD1), phiCAM_06 (BD3),

Start 54:

- Found in 417 of 1521 (27.4%) of genes in pham
- Manual Annotations of this start: 363 of 1347
- Called 95.7% of time when present
- Phage (with cluster) where this start called: A6_09 (A1), AFIS_11 (A1), AbbysRanger_11 (A4), Abbyshoes_12 (A1), Abdiel_11 (A4), Abrogate_120 (A1), Achebe_11 (A4), Adahisdi_12 (A1), Aeneas_13 (A1), Agaliana_11 (A1), Ajay_11 (A1), Albee_11 (A4), Alberto7_12 (A4), Alsfro_15 (A1), Altman_12 (A1), Alvin_12 (A1), Annyong_11 (A4), Applejack_11 (A1), Arcanine_12 (A1), Arlo_10 (A1), Arturo_10 (A4), Atkinbua_12 (A1), AvatarAhPeg_11 (A4), Avle17_11 (A4), B1_09 (A3), BK1_09 (A1), BPBiebs31_12 (A1), Baby16_11 (A4), BabyJohn_10 (A3), BabyRay_11 (A3), Backyardigan_11 (A4), BaconJack_13 (A1), Badger_11 (A4), BangNhom_10 (A4), Barriga_11 (A1), BarrowTuph_10 (A1), Bartimeaus_11 (A4), BeesKnees_12 (A1), BellusTerra_11 (A4), BigPaolini_12 (A1), Bigchung_11 (A1), Bigfoot_10 (A1), BillKnuckles_12 (A1), Bircsak_11 (A1), Blackmoor_11 (A4), BluSpix_11 (A1), BlueBird_12 (A3), Blue_11 (A1), Bob3_10 (A1), Bombshell_11 (A4), Bones_11 (A1), Briton15_13 (A1), Broseidon_11 (A4), Bruiser_11 (A4), BubbleTrouble_11 (A4), Bugatti_11 (A3), Bumblebee11_11 (A4), Burger_10 (A4), Buttons_12 (A1), Bxb1_10 (A1), CactusRose_10 (A1), Caelakin_11 (A4), Camperdownii_10 (A4), Carlyle_13 (A1), Caviar_12 (A3), CentreCat_11 (A4), Cerulean_11 (A4), ChampagnePapi_11 (A4), Chanagan_10 (A1), Chaph_11 (A4), Chiqui_10 (A3), Chupacabra_11 (A10), Ciao_11 (A1), Cici_11 (A4), Cindaradix_10 (A4), Cintron_11 (A4), Citius_11 (A4), Clarenza_11 (A4), Cocoaberry_11 (A4), Commander_11 (A4), Conceptll_11 (A1), Connomayer_11 (A4), Corvo_11 (A1), Crispicious1_10 (A1), Cueylyss_11 (A1), DD5_12 (A1), Datway_11 (A4), Deano_11 (A4), Dexes_12 (A1), Dhanush_11 (A4), DirtyDunning_11 (A4), DontArgue_10 (A10), Doom_11 (A1), DrFeelGood_10 (A1), Drake94_10 (A10), Dreamboat_12 (A1), DroogsArmy_12 (A7), DropBear_11 (A3), Druantia_11 (A4), Dulcie_10 (A1),

Dussy_12 (A1), DustyMartin_14 (A10), Dynamix_12 (A1), Eagle_10 (A4), Eaglepride_12 (A10), Eapen_11 (A4), Edison31_11 (A10), Edtherson_12 (A1), Emotion_2 (AZ4), EnzoK_11 (A1), Eris_11 (A4), Eros_11 (A4), Espresso_11 (A1), Euphoria_11 (A1), Eurydice_11 (A4), Eyeball_11 (A1), Farewell_2 (AF), Fascinus_10 (A1), Floean_11 (A4), Flux_11 (A4), FlyCatcher_15 (A7), Forsytheast_10 (A1), Francis47_11 (A1), Fred313_11 (A3), Froghopper_12 (A1), Funston_11 (A4), GMonster_10 (A1), Gadost_11 (A4), Gandalf20_12 (A1), Giroux_11 (A3), Gompeii16_11 (A1), Goose_11 (A10), Graduation_13 (A1), GrecoEtereo_12 (A1), Gwendoluna_13 (A1), HINdeR_11 (A7), HamSlice_10 (A4), Hami1_13 (A1), HanShotFirst_11 (A1), Happiness_11 (A4), HarryOW_12 (A1), Heathen_11 (A3), HelDan_11 (A3), Hermia_13 (A1), HermioneGrange_12 (A1), Holli_11 (A4), Homines_11 (A1), Hookmount_12 (A3), Hope4ever_11 (A1), Houdini22_11 (A4), Huxley_11 (A4), ICleared_11 (A4), ILeeKay_13 (A1), Iceman_11 (A4), Ichabod_12 (A1), Idleandcovert_11 (A3), IgnatiusPatJac_10 (A1), Inyanga_10 (A1), Iqorha_10 (A1), Iracema64_11 (A4), Isca_11 (A3), JC27_13 (A1), JF2_11 (A3), JF4_11 (A3), JackSparrow_12 (A1), Jasper_12 (A1), Jaykayelowell_11 (A4), JetBlade_11 (A4), JoongJeon_11 (A4), Jorgensen_11 (A1), JuliaChild_13 (A1), KBG_12 (A1), KFPoly_11 (A4), KSSJEB_11 (A1), Kachowdy_11 (A3), Kampy_11 (A4), Kanely_12 (A1), Katalie136_11 (A4), Killigrew_9 (A1), Kimona_8 (A19), Kingmustik0402_11 (A4), KittenMittens_10 (A10), Koan_10 (A4), Koreni_10 (A4), Kratark_11 (A4), Kremtemulon_11 (A4), Kristoff_12 (A10), Kugel_12 (A1), KyMonks1A_13 (A1), Kyee_11 (A4), Kykar_9 (A1), LHTSCC_11 (A4), Lambert1_12 (A3), Lamina13_11 (A1), LappelDuVide_11 (A4), Lemur_11 (A4), Lesedi_10 (A1), Licorice_13 (A1), LilBib_12 (A1), LittleB_11 (A4), LittleGuy_11 (A4), LochMonster_11 (A4), Lockley_11 (A1), Lorenzo_11 (A4), LunarLander_11 (A1), Lunsford_12 (A4), MA5_11 (A3), MK4_11 (A3), MPlant7149_10 (A1), Magnar_11 (A1), Magnito_10 (A1), Manatee_12 (A1), Marcell_11 (A1), Marchesa_11 (A3), Marchy_10 (A1), Marco3_11 (A1), Margo_12 (A3), Maroc7_10 (A1), Marsha_11 (A1), MaryBeth_11 (A1), Maverick_11 (A4), Maxo_11 (A4), Mayonnaise_11 (A4), Mazhar510_11 (A4), McGuire_12 (A1), McSinger_12 (A1), Medusa_11 (A4), MeeZee_11 (A4), Melvin_11 (A4), MetalQZJ_11 (A1), Michley_11 (A1), Miramae_11 (A4), Molly_12 (A1), Moose_10 (A1), Morpher26_11 (A4), MrGordo_11 (A1), Mryolo_10 (A1), Mule_11 (A1), Mundrea_11 (A4), NEHalo_11 (A1), Nebs_11 (A4), Nerujay_12 (A1), Nhonho_11 (A1), Noella_12 (A3), Noelle_11 (A4), Norbert_11 (A3), NorthStar_11 (A4), Norz_13 (A1), NotAPhaseMom_11 (A4), Nyxis_11 (A4), OKCentral2016_11 (A10), OKaNui_11 (A4), Obama12_11 (A4), Ohfah_11 (A4), Ohno789_10 (A1), Oogway_10 (A1), PP_21 (A7), PSullivan_13 (A1), PacerPaul_11 (A1), Palestino_11 (A4), Panamaxus_12 (A3), Papez_13 (A1), Paphu_10 (A1), Paraselene_10 (A1), Pari_12 (A1), Parliament_10 (A1), PascalRango_10 (A1), Payneful_11 (A1), PeaceMeal1_10 (A10), Peaches_11 (A4), Pelly_12 (A1), Pepe_12 (A1), Perplexer_11 (A4), Perseus_12 (A1), PeterPeter_11 (A4), Peterson_14 (A1), PetiteSangsue_11 (A4), Petruccio_11 (A1), Phacado_11 (A4), Phantastic_11 (A3), Felipe_11 (A4), PherrisBueller_12 (A1), Phighter1804_11 (A4), Phontbonne_11 (A4), PhrostyMug_11 (A1), PinkPlastic_10 (A1), Pinto_13 (A1), Pipcraft_11 (A4), Pistachio_12 (A3), Pita2_13 (A1), Pocahontas_12 (A3), Polymorphads_11 (A4), Poompha_10 (A10), Popcicle_12 (A3), ProMouse_10 (A1), Pumbaa_11 (A4), Puppy_12 (A3), QTRLifeCrisis_11 (A1), QuinnKiro_11 (A3), Raid_12 (A1), Rajelicia_11 (A1), Rebeuca_12 (A10), Relief_11 (A4), ResDef_12 (A3), RhynO_12 (A10), Rhynn_11 (A1), RidgeCB_11 (A1), Ringer_11 (A1), Rockstar_11 (A3), Rohr_12 (A1), Romney_11 (A4), Roosevelt_11 (A4), Rosa24_10 (A4), Rowdy_14 (A10), Ruin_11 (A4), Ruotula_10 (A1), STLscum_12 (A1), Sabertooth_11 (A4), Saftant_6 (BD3), Sagefire_12 (A1), Sandaddy_10 (A1), Sanya_10 (A1), SarFire_11 (A1), SaturnRing_11 (A3), Scamp_11 (A4), Scout_11 (A3), Scowl_12 (A1), Seabiscuit_13 (A1), Seanderson_12 (A1),

SenorClean_10 (A4), Severus_10 (A10), Shaka_11 (A4), Shapes_14 (A10), Sheen_13 (A7), SheldonCooper_11 (A4), ShortQueendom_10 (A1), Shygu2_11 (A4), SkiPole_13 (A1), Slagathor_12 (A1), Smairt_12 (A1), Smeagol_12 (A1), Snazzy_9 (A1), Solon_11 (A1), Sorpresa_11 (A1), Sparky_2 (AF), Sparxx_11 (A4), Spino_11 (A4), Squee_12 (A1), Stasia_12 (A4), StewieG_10 (A1), Stink_11 (A4), Sumter_10 (A1), Sunshine924_10 (A1), SwissCheese_11 (A1), Switzer_12 (A1), Swole_13 (A1), TNguyen7_11 (A3), Taquarus_11 (A4), Target_13 (A1), Tasp14_12 (A1), Teodoridan_9 (A1), Texage_11 (A3), Thanksgivukkah_11 (A4), TheloniousMonk_13 (A1), Thor_11 (A1), Timshel_12 (A7), TinaFeyge_11 (A4), Tinybot_10 (A4), TiroTheta9_11 (A4), Todacoro_12 (A3), Topanga_11 (A10), Topgun_11 (A1), Toro_14 (A7), Tote_13 (A1), Traft412_13 (A1), Trike_9 (A10), Tripl3t_12 (A1), Trouble_11 (A1), TroyPia_11 (A4), Turj99_10 (A1), Twister_11 (A10), TwoPeat_12 (A1), TygerBlood_11 (A4), U2_11 (A1), Ulysses_10 (A4), Veracruz_11 (A3), WalterMcMickey_11 (A10), Wander_11 (A4), Watermelon_13 (A1), Wheeler_11 (A1), Wilbur_11 (A4), Wile_11 (A4), Wilkins_11 (A1), Wizard007_11 (A4), Xena_11 (A4), YoSam321_11 (A4), Zeeculate_10 (A1), Zephyr_11 (A1), Zeuska_12 (A1),

Start 55:

- Found in 275 of 1521 (18.1%) of genes in pham
- Manual Annotations of this start: 222 of 1347
- Called 91.6% of time when present
- Phage (with cluster) where this start called: 20ES_12 (A2), 40AC_15 (A17), AN3_12 (A2), AN9_15 (A2), ANI8_15 (A2), AbbyPaige_14 (A2), Acolyte_12 (A2), Adzzy_13 (A2), Agape74_14 (A2), Aliter_13 (A9), Alma_13 (A9), Anaysia_14 (A15), Aneem_12 (A11), AnnaL29_15 (A2), Anon_12 (A15), Anselm_12 (A2), ArcherNM_14 (A2), Arissanae_11 (A9), Artemis2UCLA_15 (A6), BABullseye_15 (A6), BabyBack_14 (A2), Bachome_12 (A11), Bactobuster_13 (A2), Baehexic_13 (A2), Battleship_15 (A15), BengiVuitton_13 (A2), Benvolio_12 (A2), BiancaTri92_14 (A2), BlessJoy_15 (A6), Blinn1_15 (A6), Blue7_15 (A6), BobSwaget_15 (A2), BogosyJay_13 (A9), Boohoo_14 (A15), Bowtie_12 (A11), Bradman_11 (A2), Bud_12 (A11), Buggy_14 (A2), C3_10 (A2), CRB1_12 (A2), Candra_15 (A6), Caraxes_11 (A2), Centaur_14 (A2), Changeling_15 (A2), Chargerpower_12 (A), Chartreuse_15 (A6), Che12_13 (A2), ChipMunk_14 (A2), CloudWang3_15 (A6), Colin_16 (A2), Cookiedough_15 (A6), Crucio_12 (A2), D29_13 (A2), D32_15 (A2), DBQu4n_15 (A2), DaVinci_15 (A6), Dalmatian_12 (A2), Darrell_14 (A9), DARTHPhader_13 (A12), DekHockey33_14 (A15), Deloris_13 (A2), Dignity_14 (A2), Dorothea_15 (A6), Drake55_14 (A2), DudeLittle_12 (A2), Duplo_15 (A2), EZMoney23_16 (A2), EagleEye_14 (A16), Ebony_12 (A11), Echild_12 (A2), Eidsmoe_13 (A9), Elephantoon_13 (A9), Epsocamisio_14 (A15), Equemioh13_14 (A2), EricB_15 (A6), Et2Brutus_11 (A11), EvilGenius_14 (A2), Fameo_12 (A2), Fayely_13 (A9), Fibonacci_12 (A11), FiringLine_12 (A2), First_0012 (A2), Flare16_12 (A2), Flaverint_12 (A11), Gail_11 (A14), Garak_16 (A6), GaugeLDP_14 (A2), Georgie2_13 (A2), Gilberta_12 (A11), Gladiator_15 (A6), Gratitude_13 (A2), GreedyLawyer_15 (A6), Gruunaga_15 (A6), Hammer_15 (A6), HarryHoudini_14 (A2), Heffalump_14 (A2), Helmet_16 (A6), Herbertwm_10 (A2), Hexamo_15 (A6), Hoot_15 (A6), HortumSL17_13 (A9), Hutc2_12 (A11), Indra_15 (A6), Insomnia_12 (A11), IronMan_14 (A2), Isiphiwo_15 (A6), Iwokeuplikedis_12 (A2), JSwag_14 (A15), Jaan_15 (A2), Jabith_12 (A11), Jeeves_11 (A14), Jeffabunny_15 (A6), Jerm_14 (A2), JewelBug_15 (A6), Jordennis_15 (A6), Joselito_12 (A11), JoshKayV_14 (A2), Journey13_10 (A2), Jsquared_11 (A2), Kalpine_15 (A2), KatherineG_14 (A15), Kazan_15 (A6), Kerberos_15 (A2), Keziacharles14_11 (A9), KingCyrus_14 (A2), Kipper29_15 (A6), Koduck_12 (A2), Koko_15 (A6), L5_13 (A2), LadyBird_12 (A2), Landor_13 (A2), Larenn_13 (A2), LastResort_14 (A15), Leogania_14 (A2), Leviathan_14 (A2), LilTurb_14 (A2),

Lilbunny_15 (A6), LionsBait_13 (A2), Lokk_15 (A2), Looper_15 (A15), Loser_15 (A2), Luchador_12 (A14), Lucivia_12 (A11), Lucyedi_13 (A16), MaCh_12 (A11), Mabel_12 (A11), MajorMajor_11 (A2), Malec_13 (A2), Maminiaina_13 (A9), McFly_15 (A6), MiculUcigas_12 (A2), Miko_15 (A2), MinecraftSteve_15 (A15), MissWhite_12 (A2), Mulciber_12 (A11), Munch_12 (A11), Myxus_13 (A9), NaSiaTalie_12 (A2), Naji_15 (A2), Nebulosus_14 (A15), Nedarya_13 (A15), Neeharika16_15 (A6), Newrala_15 (A6), NicoleTera_16 (A2), NothingSpecial_14 (A2), Odin_11 (A2), Oofda_15 (A15), Orange_12 (A11), PackMan_13 (A9), PainterBoy_13 (A16), Petersenfast_11 (A11), Ph8s_13 (A2), Phaded_15 (A2), Pharaoh_12 (A12), Piro94_13 (A2), Pmask_15 (A6), Polyphemus_14 (A6), Pomar16_15 (A2), Power_12 (A2), Priamo_15 (A6), Priya_13 (A9), Pukovnik_14 (A2), QueenB2_12 (A2), QueenBeesly_12 (A2), Quokka_10 (A2), Rachaly_15 (A2), Rahalelujah_11 (A9), ReMo_14 (A15), RedRock_15 (A2), Refuge_15 (A12), Remus_14 (A15), Retro23_12 (A2), Rifter_15 (A6), Roksolana_15 (A6), Rosalind_14 (A15), Salz_12 (A11), SemperFi_14 (A2), Serenity_11 (A2), Sham4_12 (A11), ShayRa_15 (A15), Sknot_13 (A2), Smeagan_14 (A2), SmellyB_15 (A6), SnapTap_12 (A2), Snape_12 (A11), SororFago_11 (A14), Soups_14 (A15), Spouty_13 (A9), StarStuff_15 (A2), Steamy_13 (A12), Strosahl_14 (A15), Sunhee_10 (A14), SuperAwesome_15 (A6), SuperCallie99_15 (A6), Superchunk_11 (A2), SweetiePie_12 (A2), SwirlSquare_14 (A2), Switzerland_14 (A15), TarsusIV_12 (A2), Temprado_16 (A6), Terrific_16 (A2), Timothy_12 (A11), TinyTimmy_12 (A11), TopsytheTRex_11 (A2), Toaka_11 (A9), Tomathan_15 (A2), ToneTone_14 (A6), Travvers_15 (A2), Tristan_13 (A2), Trixie_15 (A2), Trooper_12 (A2), Tubs_13 (A9), Tucker_15 (A6), Turbido_14 (A2), Ugenie5_10 (A9), Updawg_14 (A2), VA6_12 (A2), VC3_15 (A2), Vanisoa_11 (A9), VohminGhazi_15 (A6), Waits_14 (A15), Warrior24_15 (A15), WeiHuaDA_18 (A2), Whabigail7_14 (A2), WideWale_14 (A2), Wiks_15 (A6), WunderPhul_15 (A6), XianYue_12 (A2), Yokurt_15 (A6), Zaka_15 (A6), Zimmer_14 (A12), Zulu_15 (A6),

Start 57:

- Found in 148 of 1521 (9.7%) of genes in pham
- Manual Annotations of this start: 139 of 1347
- Called 98.6% of time when present
- Phage (with cluster) where this start called: ACFishhook_13 (A3), Aglet_13 (A3), AgronaGT15_13 (A3), Alatin_8 (CA), Alpacados_7 (CA), Angelique_2 (CY1), AngryOrchard_7 (CA), Anubis_15 (A3), AppleCloud_6 (CA), AugsMagnumOpus_15 (A3), Beauxregard13_13 (A3), BeeGee_2 (CY), Belenaria_8 (CA), Bigflo_13 (A3), Bonanza_8 (CA), Bradissa_2 (CY1), Bradshaw_8 (CA), BreSam8_13 (A3), BritBrat_2 (CY2), Bryce_8 (CA), BuzzBuzz_12 (A3), Bxz2_13 (A3), Calvinny_14 (A3), Cashline_2 (CY), Colbster_13 (A3), Confidence_2 (CY1), CosmicSans_8 (CA), Cullens_13 (A3), DaHudson_13 (A3), Daishi_12 (A3), Dieselweasel_13 (A3), Dinger_8 (CA), EMSquaredA_2 (CY1), EnalisNailo_2 (CY1), EpicPhail_13 (A3), Erik_8 (CA), Espica_8 (CA), Farber_13 (A3), Fernando_13 (A3), Floral_2 (CY1), Gemma_13 (A3), GingkoMaracino_13 (A3), Gollum_8 (CA), Grif_13 (A3), Groupthink_14 (A3), Grub_13 (A3), Grum1_13 (A3), GtownJaz_13 (A3), Harlequin_8 (CA), HashRod_14 (A3), HaveUMetTed_14 (A3), Heliosoles_13 (A3), Hercules11_13 (A3), Hiro_8 (CA), JHC117_13 (A3), Jablanski_2 (CY), JenCasNa_13 (A3), JeppNRM_14 (A3), Jester_8 (CA), Jobu08_13 (A3), KADY_14 (A3), Kalb97_14 (A3), Kalnoky_14 (A3), Krishelle_8 (CA), LBerry_13 (A3), LarryKay_13 (A3), Lilas_2 (CY1), Lilit_13 (A3), Lillie_8 (CA), LonelyBoi_2 (CY), Louie6_13 (A3), Lowa_13 (A3), LugYA_15 (A3), LunaStella_2 (F4), MadMarie_13 (A3), Mainiac_13 (A3), Malinsilva_15 (A3), Manu_14 (A3), MarQuardt_13 (A3), Marie_13 (A3), Marius_14 (A3), Marteena_2 (CY1), Methuselah_13 (A3), Microwolf_13 (A3), Millski_11 (A4), Misomonster_15 (A3), MoneyMay_13 (A3), Morrow_11 (A4), MuchMore_15 (A3),

Naiad_8 (CA), Nancinator_8 (CA), Natosaleda_8 (CA), OlanP_13 (A3), Ollie_13 (A3), P28Green_13 (A3), PGHhamlin_15 (A3), Partridge_8 (CA), Pawn_13 (A3), Pembroke_13 (A3), Penny1_13 (A3), PhailMary_7 (CA), PhishRPhriends_12 (A3), Phoebe_13 (A3), Phoxy_13 (A3), Phrankenstien_8 (CA), Phranny_14 (A3), Pollux_2 (CY1), Posh_2 (CY), PotatoSplit_14 (A3), PurpleHaze_13 (A3), Pytheas_2 (CY), RER2_1 (CA), Rasputin_8 (CA), Reba_14 (A3), Renaud18_2 (F4), RexFury_8 (CA), Rhodalysa_8 (CA), Rummer_13 (A3), Sabia_13 (A3), Sabinator_13 (A3), Shuman_8 (CA), Snickers_13 (A3), SoYo_13 (A3), SoilDragon_13 (A3), Soshari_15 (A3), Spike509_13 (A3), StCroix_8 (CA), Stagni_13 (A3), StepMih_13 (A3), Swann_8 (CA), TChen_2 (F4), TWAMP_8 (CA), Takoda_8 (CA), Taurus_13 (A3), ThetaBob_2 (F4), Tiffany_13 (A3), TinyPebbles_13 (A3), Toron_2 (F6), UhSalsa_8 (CA), Vix_13 (A3), Watson_13 (A3), Wooldri_15 (A3), Wrigley_2 (CY), Yogi_8 (CA), Yoncess_8 (CA), Zetzy_12 (A3),

Start 59:

- Found in 2 of 1521 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anthony_11 (A20), FatCactus_10 (A20),

Start 60:

- Found in 1 of 1521 (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: Kinmap_11 (A21),

Start 61:

- Found in 26 of 1521 (1.7%) of genes in pham
- Manual Annotations of this start: 24 of 1347
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Acme_13 (A1), BigMau_13 (A1), Bruns_10 (A1), Burton_12 (A1), DreamCatcher_14 (A1), Fajezeel_13 (A1), Fushigi_12 (A1), GageAP_13 (A1), Greg_13 (A1), Gyzlar_13 (A1), Jerm2_12 (A1), Kenmech_14 (A1), Marge_12 (A1), Monet_13 (A1), Museum_13 (A1), Niza_13 (A1), PattyP_13 (A1), Pippin_13 (A1), Rubeus_12 (A1), Rufus_12 (A1), Rutherford_13 (A1), Sibs6_13 (A1), SpikeBT_13 (A1), Treddle_13 (A1),

Start 62:

- Found in 1 of 1521 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MyraDee_9 (A18),

Start 68:

- Found in 125 of 1521 (8.2%) of genes in pham
- Manual Annotations of this start: 32 of 1347
- Called 28.8% of time when present
- Phage (with cluster) where this start called: Barnstormer_2 (EH), BeardedLady_7 (BD1), Caron_2 (EH), Catalina_13 (A9), Cen1621_2 (EH), Charm_12 (A9), Conquerage_13 (A9), DreamTeam1_12 (A9), EdogawaKiddo_11 (A9), EnochSoames_7 (BD1), Esperer_6 (BD1), ExplosioNervosa_13 (A9), Floof_2 (EH), GardenState_2 (EH), Gretchen_2 (EH), IAmGroot_2 (EH), Jash_7 (BD1), Leviticus_6 (BD1), LoneWolf_13 (A9), Lorelei_6 (BD1), Mabodamaca_2 (EH), Onglai_12 (A9),

Ozzie_6 (BD1), Percival_2 (EH), Phaeder_13 (A9), Pioneer_13 (A9), Rusticus_7 (BD1), Sachima_11 (A9), SheaKeira_12 (A9), SuMoo_2 (EH), SunsetPointe_6 (BD1), Toma_6 (BD1), Unstoppable_6 (BD1), UtzChips_2 (EH), Yecey3_12 (A9), Zeta1847_2 (EH),

Start 72:

- Found in 69 of 1521 (4.5%) of genes in pham
- Manual Annotations of this start: 5 of 1347
- Called 13.0% of time when present
- Phage (with cluster) where this start called: Beemo_13 (A9), EmyBug_13 (A9), Hanray_12 (A9), Holey_12 (A9), Lilleskat_11 (A9), Phonnegut_13 (A9), Qobbit_13 (A9), RyeScarlet_14 (A9), Scherzo_13 (A9),

Start 74:

- Found in 181 of 1521 (11.9%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Nemo27_11 (A4),

Start 75:

- Found in 52 of 1521 (3.4%) of genes in pham
- Manual Annotations of this start: 41 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AEgle_2 (AZ1), AGrandiflora_2 (AZ1), Adumb2043_2 (AZ1), AinMach_2 (AZ), Amyev_2 (AZ1), Asa16_2 (AZ1), Ascela_2 (AZ1), Berrie_2 (AZ1), Cassia_2 (AZ1), Community_3 (AZ1), Crewmate_3 (AZ1), Cyan_2 (AZ1), DrSierra_2 (AZ1), Elezi_2 (AZ1), Eraser_2 (AZ1), Exile_2 (AZ), Iter_2 (AZ1), IttyBittyPiggy_2 (AZ1), Janeemi_3 (AZ1), Joemato_2 (AZ1), JohnDoe_2 (AZ1), Jstan_2 (AZ1), JuneStar_2 (AZ1), Kaylissa_2 (AZ1), Lego_2 (AZ1), Lizalica_2 (AZ1), London_2 (AZ1), Mudpuppy_2 (AZ1), Niobe_2 (AZ1), Nitro_2 (AZ1), ObiToo_2 (AZ1), Phives_3 (AZ1), Pixelle_2 (AZ1), Powerpuff_2 (AZ1), Pumpkins_2 (AZ1), Shaffner_2 (AZ1), Simpson_2 (AZ1), Snek_3 (AZ3), Soondubu_2 (AZ), Subaru_2 (AZ1), Tallboi_2 (AZ1), Tbone_2 (AZ1), TforTroy_2 (AZ1), Tian_2 (AZ1), Tuck_3 (AZ1), Turab_2 (AZ1), Tutumahutu_2 (AZ1), Tweety19_3 (AZ3), Warda_2 (AZ1), Wildwest_3 (AZ1), Yang_2 (AZ1), YesChef_2 (AZ1),

Start 77:

- Found in 7 of 1521 (0.5%) of genes in pham
- Manual Annotations of this start: 7 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adolin_2 (AZ1), DrManhattan_2 (AZ1), KeAlii_2 (AZ1), MissSwiss_2 (AZ1), Reedo_2 (AZ1), Sue2_2 (AZ1), VResidence_2 (AZ1),

Start 79:

- Found in 17 of 1521 (1.1%) of genes in pham
- Manual Annotations of this start: 10 of 1347
- Called 94.1% of time when present
- Phage (with cluster) where this start called: Ashes_2 (AZ5), Beaupre_2 (AZ5), Cappuccino_2 (AZ5), Donkey_2 (AZ5), Gambol_2 (AZ5), Giorgio_2 (AZ5), Gumpizza_2 (AZ5), Halsey_2 (AZ5), Kalimba_2 (AZ5), Moss_2 (AZ5), Mysterium_2 (AZ5), RockScotty_2 (AZ5), Sabourin_2 (AZ5), Sooty_2 (AZ5), SpecialK_2 (AZ5), Stuu_2 (AZ5),

Start 80:

- Found in 1 of 1521 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Juicebox_3 (singleton),

Start 81:

- Found in 13 of 1521 (0.9%) of genes in pham
- Manual Annotations of this start: 11 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arti_24 (CR2), Emianna_24 (CR2), Foxboro_25 (CR2), GTE8_13 (CR2), GrootJr_26 (CR2), Jifall16_23 (CR2), KidneyBean_24 (CR2), Kurt_24 (CR2), NatB6_24 (CR2), NovumRegina_24 (CR2), Phomeo_23 (CR2), Tracker_24 (CR2), Wheezy_24 (CR2),

Start 82:

- Found in 28 of 1521 (1.8%) of genes in pham
- Manual Annotations of this start: 25 of 1347
- Called 92.9% of time when present
- Phage (with cluster) where this start called: Apiary_28 (CR6), BiPauneto_27 (CR4), Bonum_27 (CR2), Braxoaddie_28 (CR6), Buggaboo_25 (CR2), CoffeeBean_28 (CR6), Commandaria_26 (CR2), Fury_33 (CR5), GuyFagieri_28 (CR6), Honk_2 (EH), HubbaBubba_22 (CR4), IDyn_25 (CR4), MacGully_32 (CR), Marietta_26 (CR4), Maselop_28 (CR6), MerCougar_25 (CR2), NadineRae_24 (CR4), Outis_25 (CR2), Pleakley_33 (CR5), Polyuyki_28 (CR6), Scuba_33 (CR5), StarStruck_25 (CR2), Sukkupi_26 (CR4), SuperSulley_25 (CR2), WhoseManz_26 (CR4), Yndexa_26 (CR4),

Start 84:

- Found in 17 of 1521 (1.1%) of genes in pham
- Manual Annotations of this start: 10 of 1347
- Called 76.5% of time when present
- Phage (with cluster) where this start called: Apricot_2 (DN3), Dalilpop_29 (CR1), Ennea_30 (CR3), Flapper_28 (CR1), Float294_26 (CR3), GRU1_terL (CR1), GTE5_terL (CR1), Lollipop1437_29 (CR3), MortyNRick_2 (DN), Patio_27 (CR3), RedRaider_31 (CR3), Skysand_26 (CR3), Turuncu_28 (CR1),

Start 85:

- Found in 2 of 1521 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Attoomi_3 (singleton), GMA4_2 (singleton),

Start 86:

- Found in 27 of 1521 (1.8%) of genes in pham
- Manual Annotations of this start: 6 of 1347
- Called 25.9% of time when present
- Phage (with cluster) where this start called: Anekin_2 (AY), Hum25_2 (FQ), Kabluna_27 (CR2), MUWow_2 (AY), Modragons_2 (F1), NosilaM_27 (CR2), Phrank15_2 (AY),

Start 87:

- Found in 1 of 1521 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ibantik_67 (singleton),

Start 88:

- Found in 185 of 1521 (12.2%) of genes in pham
- Manual Annotations of this start: 156 of 1347
- Called 90.8% of time when present
- Phage (with cluster) where this start called: Akhila_3 (F1), ArcusAngelus_2 (F1), Ardmore_2 (F1), Aubs_2 (F1), Batiatus_2 (F1), Bipolar_2 (F1), Blexus_2 (F1), BlueCrab_2 (F1), BodEinwohner17_2 (F1), Brocalys_2 (F1), Bubbles123_2 (F1), Burwell21_2 (F1), ByChance_2 (F1), Cabrinians_2 (F1), CaptainTrips_3 (F1), Che8_2 (F1), Chevrolet_2 (F1), Chuckly_2 (F1), Clifton_2 (F1), Corium_2 (F1), Crumble_2 (F1), DLane_2 (F1), DRBy19_2 (F1), Daenerys_2 (F1), Dante_2 (F1), DeadP_2 (F1), Deb65_2 (F1), DillTech15_2 (F1), DoRead_2 (F1), Donkeykong_2 (F1), Doomphist_2 (F1), Dorothy_2 (F1), DotProduct_2 (F1), Doug_2 (F1), Eish_2 (F1), EleanorGeorge_2 (F1), EmiMonkey_2 (F1), Emma_2 (F1), Empress_2 (F1), Eradicator_2 (F1), Estave1_2 (F1), Fastidio_2 (F1), Filuzino_2 (F1), Firehouse51_2 (F1), Florinda_2 (F1), FreddyB_2 (F1), Fruitloop_2 (F1), GAL1_4 (singleton), GUmbie_2 (F1), Galactic_2 (F1), Gandalph_2 (F1), Geralt_2 (F1), GigiOuiOui_2 (F1), Girr_2 (F1), Gorge_2 (F1), Grimmer_3 (F1), Guppsters_2 (F1), Hades_2 (F1), Hamulus_2 (F1), Harley_2 (F1), Hlubikazi_2 (F1), IMpilo_2 (F1), Ibhubesi_2 (F1), Inventum_2 (F1), IrishSherpFalk_2 (F1), James_2 (F1), Jant_2 (F1), Jarcob_2 (F1), Jinglebell_2 (F1), JoeyJr_2 (F1), Juniper1_2 (F1), Karhdo_2 (F1), Kenuha5_2 (F1), Kersh_2 (F1), KingJulian_2 (F1), KingMidas_2 (F1), Koella_2 (F1), Krakatau_3 (F1), KristaRAM_3 (F1), LastJedi_2 (F1), Latretium_2 (F1), Leperchaun_2 (F1), LilMoolah_2 (F1), Lizziana_2 (F1), Llama_2 (F1), Llij_2 (F1), LunaBlu_2 (F1), MadMen_2 (F1), Mahavrat_2 (F1), Mandlovu_2 (F1), Mantra_2 (F1), Maravista_2 (F1), Martik_2 (F1), Mattes_2 (F1), Melissauren88_2 (F1), MilanaBonita_3 (F1), MilleniumForce_3 (F1), MinionDave_3 (F1), Minnie_2 (F1), MisterCuddles_2 (F1), Moonbeam_2 (F1), Ms6_2 (F1), MulchSalad_2 (F), Mutaforma13_2 (F1), Nimbo_2 (F1), Nitzel_3 (F1), Nivrat_2 (F1), NormanBulbieJr_2 (F1), Ochi17_2 (F1), OldBen_2 (F1), OlympiaSaint_2 (F1), Ovechkin_2 (F1), PHappiness_2 (F1), PMC_2 (F1), Pacc40_2 (F1), Phalconet_2 (F1), Phanphagia_2 (F1), Phasih_2 (F1), Phatniss_2 (F1), PhesterPhotato_2 (F1), Philus_2 (F1), PhilipPhlop_2 (F1), Pippy_2 (F1), Poenanya_2 (F1), Polka14_2 (F1), PopTart_2 (F1), Priscilla_2 (F1), QuickMath_2 (F1), Radiance_2 (F1), RedBird_2 (F1), RitaG_2 (F1), Rita_2 (F1), Rockne_2 (F1), Royals2015_2 (F1), Ruby_2 (F1), SG4_2 (F1), Saal_2 (F1), Sabbb_2 (F1), Sandalphon_2 (F1), Sassafras_2 (F1), SassyB_2 (F1), Scottish_2 (F1), Shauna1_2 (F1), ShiLan_2 (F1), ShowerHandel_2 (F1), ShroomBoi_2 (F1), SiSi_2 (F1), Sparkdehlily_2 (F1), Spartacus_2 (F1), Spoonbill_2 (F1), StAnnes_2 (F1), Strokeseat_2 (F1), SuperGrey_2 (F1), SwagPigglett_2 (F1), TDanisky_2 (F1), Taj_2 (F1), Tweety_2 (F1), VRedHorse_2 (F1), Veteran_2 (F1), Wachhund_2 (F1), Wee_2 (F1), Whatsapiecost_2 (F1), Whouxphf_2 (F1), WillSterrel_2 (F1), XFactor_2 (F1), Yorick_2 (F1), Zerg_2 (F1), Zizzle_2 (F1),

Start 89:

- Found in 96 of 1521 (6.3%) of genes in pham
- Manual Annotations of this start: 4 of 1347
- Called 4.2% of time when present

- Phage (with cluster) where this start called: Arianna_3 (EO), Colleen_3 (EO), Poushou_3 (EO), TouchMeNot_3 (EO),

Start 90:

- Found in 27 of 1521 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Kromp_2 (singleton), Phlei_8 (A13), TPA4_2 (singleton),

Start 95:

- Found in 35 of 1521 (2.3%) of genes in pham
- Manual Annotations of this start: 23 of 1347
- Called 77.1% of time when present
- Phage (with cluster) where this start called: Abscondus_29 (CQ1), Aphelion_30 (CQ1), Bachita_32 (CQ1), Bantam_12 (DL), BrutonGaster_18 (CQ2), Cardigan_30 (DD), ClubL_30 (CQ1), Cucurbita_32 (CQ1), Culver_30 (CQ1), Daredevil_12 (DL), DatBoi_13 (DL), Dusty_28 (CQ1), Engineer_31 (CQ1), Geeche_29 (CQ1), Lozinak_30 (CQ1), Miskis_28 (CQ1), Mollymur_13 (DL), Norvs_31 (CQ1), OneUp_24 (CQ2), PhinkBoden_30 (CQ1), Samy_5 (singleton), Smoothie_31 (CQ1), SpeedDemon_130 (DL), Toniann_30 (CQ1), Towmatter_12 (DL), WilliamBoone_30 (CQ1), Yvonnetastic_28 (DD),

Start 97:

- Found in 2 of 1521 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Spooks_48 (BT), Success_50 (BT),

Start 100:

- Found in 11 of 1521 (0.7%) of genes in pham
- Manual Annotations of this start: 9 of 1347
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Button_5 (CT), GiKK_7 (CT), Hexbug_5 (CT), Jamzy_7 (CT), Margaret_7 (CT), Nodigi_5 (CT), Orla_5 (CT), RanchParmCat_7 (CT), SPB78_2 (BA), Yakult_5 (CT),

Start 101:

- Found in 181 of 1521 (11.9%) of genes in pham
- Manual Annotations of this start: 3 of 1347
- Called 1.7% of time when present
- Phage (with cluster) where this start called: AlpineSix_2 (F1), OfUltron_2 (F1), Sebastian_2 (F1),

Start 103:

- Found in 96 of 1521 (6.3%) of genes in pham
- Manual Annotations of this start: 70 of 1347
- Called 94.8% of time when present
- Phage (with cluster) where this start called: 8UZL_5 (AB), Agatha_4 (CT), AikoCarson_3 (CT), Amok_3 (CT), AndPeggy_3 (CT), Axym_4 (CT), Azira_6 (CT), Bavailard_4 (CT), BearBQ_2 (DN), Beelzebub_39 (S), BigChungus_3 (CT), BillDoor_6 (CT), Birdsong_2 (DN), Biskit_5 (CT), Blackbeetle_35 (S), Blondies_4 (CT), Burnsey_4 (CT), Buttrmlkdreams_4 (CT), CanesSauce_4 (CT), Caprice_32 (S),

Carsonalex_5 (CT), CherryonLim_5 (CT), ChickenTender_6 (CT), ChocoMunchkin_4 (CT), Clarkson_36 (S), Cleo_4 (CT), Corazon_33 (S), Cornie_2 (F5), Cozz_4 (CT), Crater_2 (DN3), Dre3_4 (CT), Elinal_5 (CT), Elliott_4 (CT), Emalyn_3 (CT), FF47_05 (AB), Feastonyeet_3 (CT), FeliMaine_37 (S), Fribs8_5 (CT), GTE2_02 (CT), Gattaca_34 (S), Gibbous_4 (CT), GoldHunter_5 (CT), GoongGoong_34 (S), HippoPololi_6 (CT), Horseradish_5 (CT), Huphlepuuff_37 (S), JacoRen57_2 (AB), JoieB_36 (S), KayGee_4 (CT), Kuwabara_2 (DN4), Lauer_3 (CT), Lilbit_36 (S), LittleLaf_35 (S), MAnor_4 (CT), MScarn_6 (CT), MaVan_6 (CT), Maco6_3 (AB), Marvin_33 (S), Mayweather_5 (CT), MosMoris_33 (S), Muddy_5 (AB), MunkgeeRoachy_4 (CT), Nibbles_6 (CT), Nina_4 (CT), NoShow_2 (AB), Poise_35 (S), Pons_4 (CT), PotPie_4 (CT), Pringar_35 (S), PsychoKiller_4 (CT), Quasar_4 (CT), Raela_35 (S), RedBaron_5 (CT), RedRaider77_35 (S), SketchMex_3 (CT), Socotra_5 (CT), Sopespian_4 (CT), Starburst_5 (CT), SteamedHams_6 (CT), SummitAcademy_3 (CT), Survivors_6 (CT), SweatNTears_6 (CT), Tesla_34 (S), Tolls_6 (CT), Troje_4 (CT), Typhonmarchy_5 (CT), VasuNzinga_35 (S), Vine_5 (CT), Yarn_3 (CT), Yucky_5 (CT), Yummy_5 (CT),

Start 105:

- Found in 82 of 1521 (5.4%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 1.2% of time when present
- Phage (with cluster) where this start called: ChewyVIII_38 (singleton),

Start 106:

- Found in 5 of 1521 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Dubu_2 (BJ), phiSASD1_22 (BJ),

Start 114:

- Found in 38 of 1521 (2.5%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 2.6% of time when present
- Phage (with cluster) where this start called: Darwin_15 (EN),

Start 116:

- Found in 1 of 1521 (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: phiBT1_33 (BB1),

Start 120:

- Found in 21 of 1521 (1.4%) of genes in pham
- No Manual Annotations of this start.
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Zareef_7 (CT),

Start 121:

- Found in 145 of 1521 (9.5%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 2.1% of time when present
- Phage (with cluster) where this start called: Byougenkin_2 (F1), NewHope4_2 (F1), Vivum_2 (F1),

Start 122:

- Found in 4 of 1521 (0.3%) of genes in pham
- Manual Annotations of this start: 3 of 1347
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Euratis_2 (BB1), Shawty_2 (BB1), TG1_2 (BB1),

Start 127:

- Found in 4 of 1521 (0.3%) of genes in pham
- Manual Annotations of this start: 4 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Heather_2 (BB2), RemusLoopin_2 (BB2), Samora_2 (BB1), Sebastisaurus_2 (BB2),

Start 128:

- Found in 1 of 1521 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kimchi1738_12 (EN),

Start 129:

- Found in 7 of 1521 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 1347
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Lilbooboo_2 (BB1), Vash_2 (BB1),

Start 132:

- Found in 120 of 1521 (7.9%) of genes in pham
- Manual Annotations of this start: 1 of 1347
- Called 0.8% of time when present
- Phage (with cluster) where this start called: SheckWes_3 (CT),

Start 134:

- Found in 181 of 1521 (11.9%) of genes in pham
- Manual Annotations of this start: 2 of 1347
- Called 3.9% of time when present
- Phage (with cluster) where this start called: BobaPhett_2 (F1), Cheesepuff_2 (F1), DaddyRickover_2 (F1), Fancypants_2 (F1), IbOuu_2 (F1), Polo2Bam_2 (F1), Violac_2 (F1),

Start 137:

- Found in 11 of 1521 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 1347
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Hestia_2 (AY), Persistence_2 (AY),

Start 139:

- Found in 173 of 1521 (11.4%) of genes in pham
- No Manual Annotations of this start.
- Called 1.2% of time when present
- Phage (with cluster) where this start called: Jiawan_12 (A9), VWB_2 (BA),

Start 142:

- Found in 210 of 1521 (13.8%) of genes in pham
- Manual Annotations of this start: 2 of 1347
- Called 1.0% of time when present
- Phage (with cluster) where this start called: LeoAvram_11 (A4), Skipitt_11 (A4),

Start 169:

- Found in 154 of 1521 (10.1%) of genes in pham
- Manual Annotations of this start: 2 of 1347
- Called 1.3% of time when present
- Phage (with cluster) where this start called: Ashballer_10 (A1), BobbyDazzler_8 (CA),

Start 198:

- Found in 494 of 1521 (32.5%) of genes in pham
- No Manual Annotations of this start.
- Called 0.2% of time when present
- Phage (with cluster) where this start called: Mkhuseleli_12 (A1),

Summary by clusters:

There are 72 clusters represented in this pham: DN, CR6, singleton, BA, FQ, DD, CY1, BJ, A21, BT, AY, AB, DL, EH, A15, A14, F, A16, A11, A10, A13, A12, AF, A19, A18, A1, DN4, A3, A2, A5, A4, BD3, BD2, A9, BD1, CQ1, BB2, BB1, A, CY2, EO, EN, A7, AG, CR3, CA, A6, A17, CQ2, DN3, S, T, A8, CR4, CR, AZ, CT, CR2, F1, CR1, F4, F5, F6, CR5, CY, A20, BD6, AZ1, AZ2, AZ3, AZ4, AZ5,

Info for manual annotations of cluster A:

- Start number 55 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:

- Start number 54 was manually annotated 172 times for cluster A1.
- Start number 61 was manually annotated 24 times for cluster A1.
- Start number 169 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:

- Start number 54 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 55 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 55 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 55 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 55 was manually annotated 21 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 55 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 62 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 54 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 55 was manually annotated 102 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 59 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 54 was manually annotated 32 times for cluster A3.
- Start number 57 was manually annotated 81 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 54 was manually annotated 132 times for cluster A4.
- Start number 57 was manually annotated 2 times for cluster A4.
- Start number 74 was manually annotated 1 time for cluster A4.
- Start number 142 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 29 was manually annotated 19 times for cluster A5.
- Start number 32 was manually annotated 19 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 55 was manually annotated 42 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 54 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 32 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 55 was manually annotated 20 times for cluster A9.
- Start number 68 was manually annotated 10 times for cluster A9.
- Start number 72 was manually annotated 5 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 103 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 54 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 44 was manually annotated 1 time for cluster AG.
- Start number 45 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AY:

- Start number 86 was manually annotated 2 times for cluster AY.
- Start number 137 was manually annotated 2 times for cluster AY.

Info for manual annotations of cluster AZ:

- Start number 75 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:

- Start number 75 was manually annotated 38 times for cluster AZ1.
- Start number 77 was manually annotated 7 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 52 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 75 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 53 was manually annotated 2 times for cluster AZ4.
- Start number 54 was manually annotated 1 time for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 79 was manually annotated 10 times for cluster AZ5.

Info for manual annotations of cluster BB1:

- Start number 122 was manually annotated 3 times for cluster BB1.
- Start number 127 was manually annotated 1 time for cluster BB1.
- Start number 129 was manually annotated 2 times for cluster BB1.

Info for manual annotations of cluster BB2:

- Start number 127 was manually annotated 3 times for cluster BB2.

Info for manual annotations of cluster BD1:

- Start number 53 was manually annotated 45 times for cluster BD1.
- Start number 68 was manually annotated 10 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 53 was manually annotated 31 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 50 was manually annotated 1 time for cluster BD3.
- Start number 53 was manually annotated 10 times for cluster BD3.
- Start number 54 was manually annotated 1 time for cluster BD3.

Info for manual annotations of cluster BD6:

- Start number 53 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster BJ:

- Start number 106 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BT:

- Start number 97 was manually annotated 1 time for cluster BT.

Info for manual annotations of cluster CA:

- Start number 57 was manually annotated 35 times for cluster CA.
- Start number 169 was manually annotated 1 time for cluster CA.

Info for manual annotations of cluster CQ1:

- Start number 95 was manually annotated 14 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 95 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR:

- Start number 82 was manually annotated 1 time for cluster CR.

Info for manual annotations of cluster CR1:

- Start number 84 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 81 was manually annotated 11 times for cluster CR2.
- Start number 82 was manually annotated 7 times for cluster CR2.
- Start number 86 was manually annotated 2 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 84 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 82 was manually annotated 8 times for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 82 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 82 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CT:

- Start number 100 was manually annotated 9 times for cluster CT.
- Start number 103 was manually annotated 44 times for cluster CT.
- Start number 132 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster CY:

- Start number 57 was manually annotated 7 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 57 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 57 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DD:

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

Info for manual annotations of cluster DL:

- Start number 95 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 103 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN3:

- Start number 84 was manually annotated 1 time for cluster DN3.
- Start number 103 was manually annotated 1 time for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 103 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster EH:

- Start number 68 was manually annotated 12 times for cluster EH.
- Start number 82 was manually annotated 1 time for cluster EH.

Info for manual annotations of cluster EN:

- Start number 114 was manually annotated 1 time for cluster EN.
- Start number 128 was manually annotated 1 time for cluster EN.

Info for manual annotations of cluster EO:

- Start number 89 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster F1:

- Start number 86 was manually annotated 1 time for cluster F1.
- Start number 88 was manually annotated 156 times for cluster F1.
- Start number 101 was manually annotated 3 times for cluster F1.
- Start number 121 was manually annotated 1 time for cluster F1.
- Start number 134 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F4:

- Start number 57 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 103 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster FQ:

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

Info for manual annotations of cluster S:

- Start number 103 was manually annotated 17 times for cluster S.

Info for manual annotations of cluster T:

- Start number 20 was manually annotated 1 time for cluster T.
- Start number 42 was manually annotated 6 times for cluster T.

Gene Information:

Gene: 20ES_12 Start: 7443, Stop: 9233, Start Num: 55

Candidate Starts for 20ES_12:

(12, 7269), (Start: 55 @7443 has 222 MA's), (123, 7551), (133, 7572), (164, 7680), (256, 7965), (258, 7968), (295, 8076), (310, 8166), (316, 8190), (352, 8307), (357, 8322), (439, 8622), (516, 8808), (523, 8835), (530, 8856), (556, 8952), (642, 9189), (665, 9216), (666, 9219),

Gene: 40AC_15 Start: 9493, Stop: 11244, Start Num: 55

Candidate Starts for 40AC_15:

(Start: 55 @9493 has 222 MA's), (70, 9511), (139, 9622), (157, 9688), (164, 9721), (165, 9724), (258, 10006), (269, 10045), (295, 10114), (300, 10138), (301, 10141), (310, 10204), (316, 10228), (346, 10327), (356, 10357), (357, 10360), (398, 10528), (403, 10546), (470, 10720), (480, 10744), (512, 10807), (530, 10867), (556, 10963), (598, 11053), (630, 11167), (632, 11170), (642, 11200), (665, 11227), (666, 11230),

Gene: 8UZL_5 Start: 1795, Stop: 3459, Start Num: 103

Candidate Starts for 8UZL_5:

(Start: 103 @1795 has 70 MA's), (126, 1834), (139, 1858), (191, 1987), (236, 2119), (239, 2134), (243, 2149), (258, 2194), (273, 2242), (288, 2278), (301, 2335), (304, 2359), (314, 2395), (367, 2593), (373, 2608), (384, 2647), (419, 2794), (470, 2914), (516, 3019), (546, 3127), (553, 3157), (567, 3184), (570, 3196), (591, 3232), (592, 3235), (622, 3328), (636, 3385),

Gene: A6_09 Start: 6581, Stop: 8269, Start Num: 54

Candidate Starts for A6_09:

(Start: 54 @6581 has 363 MA's), (Start: 169 @6761 has 2 MA's), (198, 6845), (205, 6881), (212, 6908), (258, 7031), (267, 7064), (295, 7139), (310, 7229), (316, 7253), (328, 7280), (338, 7328), (380, 7484), (395, 7544), (486, 7778), (490, 7790), (512, 7832), (519, 7853), (529, 7880), (556, 7988), (598, 8078), (627, 8183),

Gene: ACFishhook_13 Start: 7110, Stop: 8810, Start Num: 57

Candidate Starts for ACFishhook_13:

(Start: 57 @7110 has 139 MA's), (Start: 89 @7158 has 4 MA's), (166, 7293), (258, 7572), (310, 7770), (336, 7860), (356, 7923), (363, 7962), (395, 8085), (470, 8283), (480, 8307), (481, 8310), (512, 8373), (516, 8385), (519, 8394), (530, 8433), (556, 8529), (577, 8583), (598, 8619), (642, 8766), (666, 8796), (668, 8799),

Gene: AEgle_2 Start: 537, Stop: 2243, Start Num: 75

Candidate Starts for AEgle_2:

(Start: 75 @537 has 41 MA's), (Start: 132 @624 has 1 MA's), (240, 909), (258, 966), (263, 987), (274, 1014), (302, 1104), (346, 1278), (425, 1530), (470, 1653), (537, 1833), (556, 1908), (563, 1923), (605, 2058), (616, 2094), (626, 2142), (634, 2166),

Gene: AFIS_11 Start: 6918, Stop: 8606, Start Num: 54

Candidate Starts for AFIS_11:

(Start: 54 @6918 has 363 MA's), (Start: 169 @7098 has 2 MA's), (198, 7182), (205, 7218), (212, 7245), (258, 7368), (295, 7476), (310, 7566), (316, 7590), (328, 7617), (338, 7665), (380, 7821), (395, 7881), (481, 8106), (486, 8115), (490, 8127), (512, 8169), (519, 8190), (529, 8217), (556, 8325), (598, 8415), (627, 8520),

Gene: AGrandiflora_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for AGrandiflora_2:

(Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1649), (556, 1904), (563, 1919), (583, 1973), (605, 2054), (634, 2162),

Gene: AN3_12 Start: 7428, Stop: 9218, Start Num: 55

Candidate Starts for AN3_12:

(Start: 55 @7428 has 222 MA's), (123, 7536), (133, 7557), (164, 7665), (258, 7953), (295, 8061), (310, 8151), (316, 8175), (352, 8292), (357, 8307), (439, 8607), (516, 8793), (523, 8820), (530, 8841), (556, 8937), (642, 9174), (665, 9201), (666, 9204),

Gene: AN9_15 Start: 7374, Stop: 9164, Start Num: 55

Candidate Starts for AN9_15:

(Start: 29 @7296 has 19 MA's), (41, 7347), (Start: 55 @7374 has 222 MA's), (123, 7482), (133, 7503), (155, 7569), (164, 7611), (172, 7635), (212, 7773), (256, 7893), (258, 7896), (295, 8007), (310, 8097), (316, 8121), (336, 8187), (347, 8223), (356, 8250), (357, 8253), (439, 8553), (470, 8640), (484, 8673), (516, 8739), (523, 8766), (530, 8787), (551, 8871), (556, 8883), (599, 8976), (606, 8991), (642, 9120), (665, 9147), (666, 9150),

Gene: ANI8_15 Start: 7374, Stop: 9164, Start Num: 55

Candidate Starts for ANI8_15:

(Start: 29 @7296 has 19 MA's), (41, 7347), (Start: 55 @7374 has 222 MA's), (123, 7482), (133, 7503), (155, 7569), (164, 7611), (172, 7635), (212, 7773), (256, 7893), (258, 7896), (295, 8007), (310, 8097), (316, 8121), (336, 8187), (347, 8223), (356, 8250), (357, 8253), (439, 8553), (470, 8640), (484, 8673), (516, 8739), (523, 8766), (530, 8787), (551, 8871), (556, 8883), (599, 8976), (606, 8991), (642, 9120), (665, 9147), (666, 9150),

Gene: Aaronocolus_6 Start: 2402, Stop: 4048, Start Num: 53

Candidate Starts for Aaronocolus_6:

(Start: 53 @2402 has 92 MA's), (Start: 68 @2420 has 32 MA's), (180, 2624), (204, 2705), (248, 2840), (259, 2861), (292, 2948), (304, 3020), (310, 3044), (339, 3143), (357, 3197), (392, 3296), (407, 3356), (476, 3518), (479, 3527), (516, 3617), (523, 3644), (545, 3722), (546, 3725), (556, 3764), (567, 3785), (569, 3791), (573, 3809), (616, 3905), (630, 3965),

Gene: AbbyPaige_14 Start: 7888, Stop: 9675, Start Num: 55

Candidate Starts for AbbyPaige_14:

(Start: 55 @7888 has 222 MA's), (123, 7996), (133, 8017), (155, 8083), (156, 8089), (164, 8125), (172, 8149), (191, 8212), (256, 8407), (258, 8410), (295, 8518), (310, 8608), (316, 8632), (338, 8707), (352, 8749), (357, 8764), (439, 9064), (516, 9250), (523, 9277), (530, 9298), (556, 9394), (642, 9631), (666, 9661),

Gene: AbbysRanger_11 Start: 6893, Stop: 8590, Start Num: 54

Candidate Starts for AbbysRanger_11:

(Start: 54 @6893 has 363 MA's), (Start: 74 @6917 has 1 MA's), (198, 7163), (231, 7268), (256, 7346), (258, 7349), (269, 7388), (295, 7457), (300, 7481), (310, 7547), (336, 7637), (380, 7802), (403, 7889), (411, 7922), (458, 8015), (470, 8063), (480, 8087), (512, 8153), (523, 8192), (530, 8213), (556, 8309), (641, 8543), (642, 8546), (666, 8576), (668, 8579),

Gene: Abbysshoes_12 Start: 7007, Stop: 8695, Start Num: 54

Candidate Starts for Abbysshoes_12:

(Start: 54 @7007 has 363 MA's), (Start: 169 @7187 has 2 MA's), (198, 7271), (205, 7307), (212, 7334), (258, 7457), (295, 7565), (310, 7655), (316, 7679), (328, 7706), (338, 7754), (360, 7823), (380, 7910), (395, 7970), (481, 8195), (486, 8204), (490, 8216), (512, 8258), (519, 8279), (529, 8306), (556, 8414), (598, 8504), (627, 8609),

Gene: Abdiel_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Abdiel_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310,

7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Abrogate_120 Start: 7663, Stop: 9351, Start Num: 54

Candidate Starts for Abrogate_120:

(Start: 54 @7663 has 363 MA's), (198, 7927), (201, 7951), (258, 8113), (267, 8146), (295, 8221), (310, 8311), (316, 8335), (328, 8362), (338, 8410), (380, 8566), (395, 8626), (481, 8851), (486, 8860), (490, 8872), (512, 8914), (519, 8935), (529, 8962), (556, 9070), (598, 9160), (627, 9265),

Gene: Abscondus_29 Start: 8433, Stop: 10181, Start Num: 95

Candidate Starts for Abscondus_29:

(Start: 95 @8433 has 23 MA's), (112, 8463), (176, 8589), (177, 8592), (210, 8706), (225, 8778), (233, 8817), (242, 8841), (256, 8889), (264, 8916), (327, 9138), (330, 9156), (370, 9318), (393, 9366), (398, 9381), (457, 9564), (459, 9570), (480, 9654), (515, 9741), (524, 9774), (555, 9888), (569, 9924), (577, 9948), (586, 9963), (646, 10137), (653, 10143),

Gene: Achebe_11 Start: 6881, Stop: 8578, Start Num: 54

Candidate Starts for Achebe_11:

(Start: 54 @6881 has 363 MA's), (Start: 74 @6905 has 1 MA's), (198, 7151), (231, 7256), (256, 7334), (258, 7337), (269, 7376), (295, 7445), (300, 7469), (310, 7535), (336, 7625), (380, 7790), (392, 7835), (403, 7877), (411, 7910), (443, 7976), (469, 8048), (470, 8051), (480, 8075), (512, 8141), (523, 8180), (530, 8201), (556, 8297), (641, 8531), (642, 8534), (666, 8564), (668, 8567),

Gene: Acme_13 Start: 7354, Stop: 9042, Start Num: 61

Candidate Starts for Acme_13:

(Start: 61 @7354 has 24 MA's), (166, 7525), (Start: 169 @7534 has 2 MA's), (198, 7618), (202, 7645), (205, 7654), (258, 7804), (267, 7837), (295, 7912), (310, 8002), (316, 8026), (328, 8053), (338, 8101), (380, 8257), (395, 8317), (481, 8542), (486, 8551), (490, 8563), (512, 8605), (519, 8626), (529, 8653), (556, 8761), (598, 8851), (627, 8956),

Gene: Acolyte_12 Start: 7615, Stop: 9396, Start Num: 55

Candidate Starts for Acolyte_12:

(Start: 55 @7615 has 222 MA's), (139, 7747), (155, 7804), (164, 7846), (212, 8008), (241, 8077), (256, 8128), (258, 8131), (269, 8170), (295, 8239), (310, 8329), (316, 8353), (346, 8452), (357, 8485), (516, 8971), (523, 8998), (530, 9019), (556, 9115), (642, 9352), (665, 9379), (666, 9382),

Gene: Adahisdi_12 Start: 7246, Stop: 8934, Start Num: 54

Candidate Starts for Adahisdi_12:

(Start: 54 @7246 has 363 MA's), (198, 7510), (201, 7534), (258, 7696), (267, 7729), (295, 7804), (310, 7894), (316, 7918), (328, 7945), (338, 7993), (380, 8149), (395, 8209), (481, 8434), (486, 8443), (490, 8455), (512, 8497), (519, 8518), (529, 8545), (556, 8653), (598, 8743), (627, 8848),

Gene: Adolin_2 Start: 534, Stop: 2240, Start Num: 77

Candidate Starts for Adolin_2:

(6, 240), (7, 243), (Start: 77 @534 has 7 MA's), (Start: 89 @555 has 4 MA's), (Start: 132 @621 has 1 MA's), (240, 906), (258, 963), (302, 1101), (305, 1125), (313, 1155), (327, 1200), (346, 1275), (412, 1488), (425, 1527), (546, 1869), (556, 1905), (563, 1920), (570, 1938), (605, 2055), (616, 2091), (630, 2151), (634, 2163),

Gene: Adumb2043_2 Start: 537, Stop: 2243, Start Num: 75

Candidate Starts for Adumb2043_2:

(Start: 75 @537 has 41 MA's), (Start: 132 @624 has 1 MA's), (240, 909), (258, 966), (263, 987), (274, 1014), (302, 1104), (346, 1278), (425, 1530), (470, 1653), (537, 1833), (556, 1908), (563, 1923), (605, 2058), (616, 2094), (626, 2142), (630, 2154), (634, 2166), (666, 2229),

Gene: Adzzy_13 Start: 6261, Stop: 8045, Start Num: 55

Candidate Starts for Adzzy_13:

(Start: 55 @6261 has 222 MA's), (164, 6492), (191, 6579), (243, 6732), (256, 6774), (258, 6777), (295, 6888), (300, 6912), (301, 6915), (310, 6978), (316, 7002), (357, 7134), (523, 7647), (530, 7668), (551, 7752), (556, 7764), (599, 7857), (606, 7872), (642, 8001), (665, 8028), (666, 8031),

Gene: Aeneas_13 Start: 7341, Stop: 9029, Start Num: 54

Candidate Starts for Aeneas_13:

(Start: 54 @7341 has 363 MA's), (198, 7605), (201, 7629), (258, 7791), (267, 7824), (295, 7899), (310, 7989), (316, 8013), (328, 8040), (338, 8088), (380, 8244), (395, 8304), (481, 8529), (486, 8538), (490, 8550), (512, 8592), (519, 8613), (529, 8640), (556, 8748), (598, 8838), (627, 8943),

Gene: Agaliana_11 Start: 7055, Stop: 8743, Start Num: 54

Candidate Starts for Agaliana_11:

(Start: 54 @7055 has 363 MA's), (Start: 169 @7235 has 2 MA's), (198, 7319), (205, 7355), (212, 7382), (258, 7505), (295, 7613), (310, 7703), (316, 7727), (338, 7802), (380, 7958), (395, 8018), (481, 8243), (486, 8252), (490, 8264), (512, 8306), (519, 8327), (529, 8354), (556, 8462), (598, 8552), (627, 8657),

Gene: Agape74_14 Start: 7888, Stop: 9675, Start Num: 55

Candidate Starts for Agape74_14:

(Start: 55 @7888 has 222 MA's), (123, 7996), (133, 8017), (155, 8083), (156, 8089), (164, 8125), (172, 8149), (191, 8212), (256, 8407), (258, 8410), (295, 8518), (310, 8608), (316, 8632), (338, 8707), (352, 8749), (357, 8764), (439, 9064), (516, 9250), (523, 9277), (530, 9298), (556, 9394), (642, 9631), (666, 9661),

Gene: Agatha_4 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for Agatha_4:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (Start: 142 @1188 has 2 MA's), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (384, 1977), (390, 2010), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (519, 2358), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: AgentM_9 Start: 6239, Stop: 8017, Start Num: 29

Candidate Starts for AgentM_9:

(Start: 29 @6239 has 19 MA's), (Start: 32 @6266 has 30 MA's), (66, 6335), (Start: 90 @6374 has 1 MA's), (135, 6449), (139, 6455), (191, 6587), (212, 6662), (214, 6665), (262, 6800), (279, 6839), (287, 6863), (310, 6971), (324, 7016), (344, 7094), (346, 7100), (388, 7265), (397, 7298), (403, 7319), (470, 7493), (480, 7517), (481, 7520), (512, 7580), (516, 7592), (523, 7619), (530, 7640), (551, 7724), (556, 7736), (642, 7973), (668, 8006), (670, 8012),

Gene: Aglet_13 Start: 6958, Stop: 8658, Start Num: 57

Candidate Starts for Aglet_13:

(Start: 57 @6958 has 139 MA's), (Start: 89 @7006 has 4 MA's), (166, 7141), (230, 7333), (258, 7420), (310, 7618), (336, 7708), (356, 7771), (395, 7933), (470, 8131), (480, 8155), (481, 8158), (512, 8221), (519, 8242), (530, 8281), (556, 8377), (577, 8431), (598, 8467), (642, 8614), (666, 8644), (668, 8647),

Gene: AgronaGT15_13 Start: 6865, Stop: 8565, Start Num: 57

Candidate Starts for AgronaGT15_13:

(Start: 57 @6865 has 139 MA's), (Start: 89 @6913 has 4 MA's), (166, 7048), (230, 7240), (258, 7327), (310, 7525), (336, 7615), (356, 7678), (395, 7840), (470, 8038), (480, 8062), (481, 8065), (512, 8128), (519, 8149), (530, 8188), (556, 8284), (577, 8338), (598, 8374), (642, 8521), (666, 8551), (668, 8554),

Gene: AikoCarson_3 Start: 805, Stop: 2487, Start Num: 103

Candidate Starts for AikoCarson_3:

(Start: 103 @805 has 70 MA's), (Start: 132 @856 has 1 MA's), (141, 877), (Start: 142 @880 has 2 MA's), (191, 1003), (202, 1042), (204, 1048), (210, 1069), (243, 1165), (252, 1201), (258, 1210), (273, 1261), (281, 1279), (302, 1360), (304, 1381), (313, 1414), (327, 1450), (363, 1594), (373, 1630), (384, 1669), (390, 1702), (403, 1750), (411, 1783), (416, 1807), (442, 1840), (469, 1930), (470, 1933), (473, 1939), (510, 2023), (512, 2029), (523, 2068), (537, 2110), (618, 2329), (637, 2410), (666, 2473), (668, 2476),

Gene: AinMach_2 Start: 571, Stop: 2274, Start Num: 75

Candidate Starts for AinMach_2:

(Start: 75 @571 has 41 MA's), (235, 928), (248, 979), (258, 997), (302, 1138), (313, 1192), (314, 1195), (346, 1312), (357, 1345), (394, 1459), (460, 1645), (470, 1687), (556, 1942), (563, 1957), (570, 1975), (572, 1984), (583, 2011), (593, 2059), (616, 2125), (634, 2197), (649, 2230),

Gene: Airmid_9 Start: 6013, Stop: 7764, Start Num: 32

Candidate Starts for Airmid_9:

(Start: 29 @5986 has 19 MA's), (Start: 32 @6013 has 30 MA's), (58, 6073), (66, 6082), (Start: 90 @6121 has 1 MA's), (135, 6196), (139, 6202), (212, 6409), (214, 6412), (279, 6586), (310, 6718), (324, 6763), (344, 6841), (346, 6847), (388, 7012), (397, 7045), (403, 7066), (470, 7240), (480, 7264), (523, 7366), (530, 7387), (544, 7441), (551, 7471), (556, 7483), (577, 7537), (641, 7717), (642, 7720), (668, 7753), (670, 7759),

Gene: Ajay_11 Start: 7051, Stop: 8739, Start Num: 54

Candidate Starts for Ajay_11:

(Start: 54 @7051 has 363 MA's), (198, 7315), (201, 7339), (258, 7501), (267, 7534), (295, 7609), (310, 7699), (316, 7723), (338, 7798), (380, 7954), (383, 7963), (394, 8011), (395, 8014), (481, 8239), (486, 8248), (490, 8260), (512, 8302), (519, 8323), (529, 8350), (556, 8458), (598, 8548), (627, 8653),

Gene: Akhila_3 Start: 1235, Stop: 2872, Start Num: 88

Candidate Starts for Akhila_3:

(Start: 88 @1235 has 156 MA's), (94, 1250), (Start: 101 @1259 has 3 MA's), (Start: 105 @1265 has 1 MA's), (Start: 121 @1292 has 1 MA's), (Start: 134 @1316 has 2 MA's), (136, 1319), (168, 1382), (174, 1400), (184, 1421), (208, 1508), (209, 1514), (224, 1568), (233, 1580), (241, 1601), (242, 1604), (245, 1625), (251, 1646), (260, 1661), (276, 1718), (292, 1757), (303, 1826), (306, 1832), (314, 1862), (315, 1865), (316, 1874), (322, 1889), (328, 1907), (339, 1958), (367, 2060), (422, 2231), (435, 2243), (449, 2261), (470, 2327), (483, 2357), (485, 2360), (487, 2363), (512, 2420), (517, 2435), (519, 2441), (520, 2444), (523, 2459), (529, 2468), (545, 2537), (554, 2567), (558, 2576), (571, 2609), (583, 2642), (597, 2669), (611, 2702), (618, 2729), (619, 2732), (623, 2753), (627, 2777), (630, 2786), (632, 2789), (660, 2846),

Gene: Alatin_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Alatin_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (446, 4236), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Albee_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Albee_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Alberto7_12 Start: 7189, Stop: 8886, Start Num: 54

Candidate Starts for Alberto7_12:

(Start: 54 @7189 has 363 MA's), (Start: 74 @7213 has 1 MA's), (Start: 142 @7336 has 2 MA's), (185, 7426), (198, 7459), (230, 7558), (256, 7642), (258, 7645), (269, 7684), (295, 7753), (300, 7777), (310, 7843), (336, 7933), (380, 8098), (403, 8185), (411, 8218), (443, 8284), (469, 8356), (470, 8359), (480, 8383), (507, 8434), (512, 8449), (523, 8488), (530, 8509), (556, 8605), (642, 8842), (666, 8872), (668, 8875),

Gene: Aliter_13 Start: 8037, Stop: 9824, Start Num: 55

Candidate Starts for Aliter_13:

(Start: 55 @8037 has 222 MA's), (Start: 68 @8052 has 32 MA's), (Start: 72 @8058 has 5 MA's), (139, 8169), (164, 8268), (212, 8430), (241, 8502), (258, 8556), (269, 8595), (295, 8667), (310, 8757), (316, 8781), (352, 8898), (357, 8913), (383, 9021), (402, 9096), (411, 9132), (429, 9192), (476, 9312), (484, 9333), (507, 9372), (523, 9426), (524, 9429), (530, 9447), (544, 9501), (551, 9531), (556, 9543), (598, 9633), (606, 9651), (642, 9780), (665, 9807), (666, 9810),

Gene: Alma_13 Start: 8116, Stop: 9903, Start Num: 55

Candidate Starts for Alma_13:

(Start: 55 @8116 has 222 MA's), (Start: 68 @8131 has 32 MA's), (Start: 72 @8137 has 5 MA's), (139, 8248), (164, 8347), (212, 8509), (241, 8581), (258, 8635), (269, 8674), (295, 8746), (310, 8836), (316, 8860), (352, 8977), (357, 8992), (383, 9100), (402, 9175), (411, 9211), (429, 9271), (476, 9391), (484, 9412), (507, 9451), (523, 9505), (524, 9508), (530, 9526), (544, 9580), (551, 9610), (556, 9622), (598, 9712), (606, 9730), (642, 9859), (665, 9886), (666, 9889),

Gene: Alpacados_7 Start: 3118, Stop: 4800, Start Num: 57

Candidate Starts for Alpacados_7:

(Start: 57 @3118 has 139 MA's), (Start: 169 @3304 has 2 MA's), (191, 3376), (198, 3388), (201, 3412), (205, 3424), (262, 3592), (287, 3652), (300, 3709), (301, 3712), (310, 3760), (378, 4015), (386, 4033), (397, 4087), (460, 4231), (470, 4273), (484, 4306), (512, 4363), (516, 4375), (556, 4519), (573, 4564), (605, 4624), (630, 4723), (642, 4756), (665, 4783), (666, 4786), (668, 4789),

Gene: AlpineSix_2 Start: 605, Stop: 2218, Start Num: 101

Candidate Starts for AlpineSix_2:

(Start: 86 @578 has 6 MA's), (Start: 88 @581 has 156 MA's), (Start: 101 @605 has 3 MA's), (Start: 121 @638 has 1 MA's), (Start: 134 @662 has 2 MA's), (136, 665), (168, 728), (184, 767), (208, 854), (209, 860), (224, 914), (238, 938), (241, 947), (242, 950), (245, 971), (251, 992), (276, 1064), (292, 1103), (303, 1172), (306, 1178), (314, 1208), (315, 1211), (316, 1220), (322, 1235), (328, 1253), (339, 1304), (365, 1397), (367, 1406), (422, 1577), (435, 1589), (470, 1673), (483, 1703), (485, 1706), (487, 1709), (512, 1766), (517, 1781), (519, 1787), (520, 1790), (523, 1805), (529, 1814), (545, 1883), (554, 1913), (558, 1922), (571, 1955), (583, 1988), (597, 2015), (611, 2048), (616, 2069), (618, 2075), (619, 2078), (623, 2099), (627, 2123), (630, 2132), (632, 2135), (660, 2192),

Gene: Alsaber_7 Start: 2515, Stop: 4161, Start Num: 53

Candidate Starts for Alsaber_7:

(Start: 50 @2506 has 1 MA's), (Start: 53 @2515 has 92 MA's), (Start: 54 @2518 has 363 MA's), (Start: 68 @2533 has 32 MA's), (180, 2737), (191, 2773), (204, 2818), (239, 2911), (243, 2926), (248, 2953),

(252, 2962), (259, 2974), (292, 3061), (301, 3109), (310, 3157), (339, 3256), (352, 3295), (392, 3409), (397, 3430), (407, 3469), (446, 3550), (470, 3619), (473, 3625), (479, 3640), (507, 3703), (545, 3835), (556, 3877), (569, 3904), (573, 3922), (630, 4078),

Gene: Alsfro_15 Start: 7794, Stop: 9482, Start Num: 54

Candidate Starts for Alsfro_15:

(Start: 54 @7794 has 363 MA's), (198, 8058), (201, 8082), (258, 8244), (267, 8277), (295, 8352), (310, 8442), (316, 8466), (328, 8493), (338, 8541), (360, 8610), (380, 8697), (383, 8706), (394, 8754), (395, 8757), (486, 8991), (490, 9003), (512, 9045), (519, 9066), (529, 9093), (556, 9201), (598, 9291), (627, 9396),

Gene: Altman_12 Start: 7589, Stop: 9277, Start Num: 54

Candidate Starts for Altman_12:

(Start: 54 @7589 has 363 MA's), (198, 7853), (201, 7877), (258, 8039), (267, 8072), (295, 8147), (310, 8237), (316, 8261), (328, 8288), (338, 8336), (380, 8492), (395, 8552), (486, 8786), (490, 8798), (512, 8840), (519, 8861), (529, 8888), (556, 8996), (598, 9086), (627, 9191),

Gene: Alvin_12 Start: 7262, Stop: 8950, Start Num: 54

Candidate Starts for Alvin_12:

(Start: 54 @7262 has 363 MA's), (198, 7526), (201, 7550), (258, 7712), (267, 7745), (295, 7820), (310, 7910), (316, 7934), (328, 7961), (338, 8009), (380, 8165), (395, 8225), (481, 8450), (486, 8459), (490, 8471), (512, 8513), (519, 8534), (529, 8561), (556, 8669), (598, 8759), (627, 8864),

Gene: Alvy_8 Start: 2347, Stop: 3993, Start Num: 53

Candidate Starts for Alvy_8:

(Start: 53 @2347 has 92 MA's), (Start: 142 @2497 has 2 MA's), (198, 2617), (204, 2650), (239, 2743), (243, 2758), (248, 2785), (259, 2806), (292, 2893), (304, 2965), (310, 2989), (339, 3088), (349, 3124), (378, 3229), (398, 3265), (407, 3301), (412, 3319), (469, 3448), (470, 3451), (476, 3463), (479, 3472), (481, 3478), (482, 3481), (516, 3562), (523, 3589), (546, 3670), (556, 3709), (567, 3730), (573, 3754), (596, 3796), (605, 3814), (630, 3910), (670, 3988),

Gene: Amela_6 Start: 2575, Stop: 4221, Start Num: 53

Candidate Starts for Amela_6:

(Start: 50 @2566 has 1 MA's), (Start: 53 @2575 has 92 MA's), (Start: 54 @2578 has 363 MA's), (Start: 68 @2593 has 32 MA's), (99, 2647), (112, 2671), (180, 2797), (204, 2878), (239, 2971), (243, 2986), (248, 3013), (252, 3022), (259, 3034), (292, 3121), (301, 3169), (310, 3217), (339, 3316), (352, 3355), (392, 3469), (397, 3490), (407, 3529), (470, 3679), (473, 3685), (479, 3700), (484, 3712), (507, 3763), (523, 3817), (545, 3895), (546, 3898), (556, 3937), (569, 3964), (573, 3982), (630, 4138),

Gene: Amethyst_6 Start: 2142, Stop: 3791, Start Num: 53

Candidate Starts for Amethyst_6:

(Start: 53 @2142 has 92 MA's), (112, 2241), (172, 2340), (180, 2367), (198, 2415), (204, 2448), (243, 2556), (248, 2583), (259, 2604), (277, 2649), (292, 2691), (304, 2763), (310, 2787), (339, 2886), (349, 2922), (357, 2940), (397, 3060), (398, 3063), (407, 3099), (446, 3180), (458, 3201), (479, 3270), (484, 3282), (507, 3333), (523, 3387), (556, 3507), (567, 3528), (573, 3552), (605, 3612), (630, 3708), (670, 3786),

Gene: Amok_3 Start: 806, Stop: 2488, Start Num: 103

Candidate Starts for Amok_3:

(Start: 103 @806 has 70 MA's), (Start: 132 @857 has 1 MA's), (141, 878), (Start: 142 @881 has 2 MA's), (204, 1049), (212, 1079), (239, 1151), (243, 1166), (252, 1202), (258, 1211), (259, 1214), (273, 1262), (295, 1331), (302, 1361), (304, 1382), (314, 1418), (327, 1451), (355, 1556), (363, 1595), (373, 1631), (384, 1670), (390, 1703), (403, 1751), (411, 1784), (416, 1808), (442, 1841), (473, 1940), (476,

1946), (510, 2024), (523, 2069), (537, 2111), (567, 2207), (618, 2330), (637, 2411), (666, 2474), (668, 2477),

Gene: Amyev_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Amyev_2:

(Start: 75 @533 has 41 MA's), (120, 599), (240, 905), (258, 962), (263, 983), (274, 1010), (302, 1100), (313, 1154), (327, 1199), (346, 1274), (425, 1526), (470, 1649), (537, 1829), (556, 1904), (563, 1919), (605, 2054), (630, 2150), (634, 2162),

Gene: Anaysia_14 Start: 6686, Stop: 8383, Start Num: 55

Candidate Starts for Anaysia_14:

(Start: 55 @6686 has 222 MA's), (71, 6704), (166, 6866), (212, 7022), (241, 7091), (258, 7145), (295, 7253), (301, 7280), (310, 7343), (316, 7367), (480, 7883), (512, 7946), (524, 7988), (556, 8102), (605, 8207), (642, 8339), (665, 8366), (666, 8369), (668, 8372),

Gene: AndPeggy_3 Start: 1120, Stop: 2799, Start Num: 103

Candidate Starts for AndPeggy_3:

(Start: 103 @1120 has 70 MA's), (Start: 132 @1171 has 1 MA's), (141, 1192), (Start: 142 @1195 has 2 MA's), (167, 1237), (187, 1303), (204, 1363), (210, 1384), (212, 1393), (243, 1480), (252, 1516), (258, 1525), (273, 1576), (302, 1675), (304, 1696), (313, 1729), (327, 1765), (363, 1909), (373, 1945), (384, 1984), (419, 2131), (442, 2155), (473, 2254), (510, 2338), (537, 2425), (567, 2521), (591, 2569), (599, 2593), (618, 2644), (637, 2725), (666, 2785), (668, 2788),

Gene: Andris_6 Start: 2176, Stop: 3822, Start Num: 53

Candidate Starts for Andris_6:

(Start: 53 @2176 has 92 MA's), (65, 2188), (198, 2446), (204, 2479), (239, 2572), (248, 2614), (259, 2635), (292, 2722), (304, 2794), (310, 2818), (339, 2917), (349, 2953), (357, 2971), (398, 3094), (407, 3130), (476, 3292), (479, 3301), (523, 3418), (546, 3499), (556, 3538), (567, 3559), (573, 3583), (605, 3643), (629, 3736), (630, 3739),

Gene: Aneem_12 Start: 8024, Stop: 9787, Start Num: 55

Candidate Starts for Aneem_12:

(Start: 55 @8024 has 222 MA's), (Start: 72 @8045 has 5 MA's), (123, 8132), (164, 8261), (172, 8285), (191, 8348), (241, 8492), (256, 8543), (258, 8546), (295, 8657), (300, 8681), (301, 8684), (310, 8747), (313, 8756), (316, 8771), (352, 8888), (357, 8903), (368, 8963), (392, 9047), (476, 9275), (480, 9287), (507, 9335), (512, 9350), (523, 9389), (530, 9410), (540, 9449), (551, 9494), (556, 9506), (642, 9743), (665, 9770),

Gene: Anekin_2 Start: 597, Stop: 2330, Start Num: 86

Candidate Starts for Anekin_2:

(Start: 86 @597 has 6 MA's), (Start: 122 @663 has 3 MA's), (Start: 137 @690 has 2 MA's), (138, 693), (195, 846), (233, 1014), (258, 1101), (289, 1188), (308, 1278), (316, 1311), (319, 1320), (329, 1341), (337, 1377), (340, 1389), (390, 1518), (400, 1557), (416, 1626), (462, 1704), (475, 1740), (523, 1881), (524, 1884), (534, 1944), (541, 1980), (551, 2028), (566, 2061), (577, 2094), (627, 2235), (640, 2277), (650, 2304),

Gene: Angelique_2 Start: 485, Stop: 2281, Start Num: 57

Candidate Starts for Angelique_2:

(Start: 57 @485 has 139 MA's), (187, 779), (191, 794), (218, 878), (235, 920), (239, 929), (247, 968), (258, 989), (291, 1073), (302, 1127), (303, 1145), (310, 1172), (313, 1181), (332, 1256), (347, 1307), (351, 1328), (403, 1487), (416, 1544), (449, 1589), (460, 1613), (481, 1682), (484, 1688), (488, 1697), (516, 1766), (546, 1904), (551, 1940), (556, 1952), (569, 1976), (577, 2003), (604, 2090), (616, 2132), (629, 2189), (639, 2219), (651, 2243), (666, 2267), (668, 2270),

Gene: AngryOrchard_7 Start: 3101, Stop: 4783, Start Num: 57

Candidate Starts for AngryOrchard_7:

(Start: 57 @3101 has 139 MA's), (Start: 169 @3287 has 2 MA's), (191, 3359), (198, 3371), (201, 3395), (205, 3407), (262, 3575), (287, 3635), (310, 3743), (378, 3998), (397, 4070), (398, 4073), (460, 4214), (470, 4256), (484, 4289), (512, 4346), (516, 4358), (556, 4502), (573, 4547), (605, 4607), (630, 4706), (642, 4739), (665, 4766), (666, 4769), (668, 4772),

Gene: Animus_7 Start: 2523, Stop: 4169, Start Num: 53

Candidate Starts for Animus_7:

(Start: 53 @2523 has 92 MA's), (187, 2766), (191, 2781), (198, 2793), (239, 2919), (248, 2961), (250, 2967), (259, 2982), (292, 3069), (304, 3141), (310, 3165), (339, 3264), (349, 3300), (357, 3318), (398, 3441), (407, 3477), (476, 3639), (479, 3648), (507, 3711), (523, 3765), (546, 3846), (556, 3885), (567, 3906), (573, 3930), (629, 4083), (630, 4086),

Gene: AnnaL29_15 Start: 9319, Stop: 11079, Start Num: 55

Candidate Starts for AnnaL29_15:

(27, 9235), (Start: 55 @9319 has 222 MA's), (123, 9427), (133, 9448), (158, 9532), (164, 9556), (191, 9643), (207, 9697), (241, 9787), (258, 9841), (295, 9949), (310, 10039), (316, 10063), (357, 10195), (392, 10339), (439, 10471), (470, 10555), (507, 10627), (512, 10642), (523, 10681), (524, 10684), (530, 10702), (556, 10798), (583, 10867), (642, 11035), (665, 11062), (666, 11065), (668, 11068), (669, 11071),

Gene: Annyong_11 Start: 6885, Stop: 8582, Start Num: 54

Candidate Starts for Annyong_11:

(Start: 54 @6885 has 363 MA's), (Start: 74 @6909 has 1 MA's), (Start: 142 @7032 has 2 MA's), (185, 7122), (198, 7155), (230, 7254), (256, 7338), (258, 7341), (269, 7380), (295, 7449), (300, 7473), (310, 7539), (336, 7629), (380, 7794), (403, 7881), (411, 7914), (443, 7980), (469, 8052), (470, 8055), (480, 8079), (507, 8130), (512, 8145), (523, 8184), (530, 8205), (556, 8301), (642, 8538), (666, 8568), (668, 8571),

Gene: Anon_12 Start: 7031, Stop: 8731, Start Num: 55

Candidate Starts for Anon_12:

(Start: 55 @7031 has 222 MA's), (71, 7049), (176, 7241), (212, 7367), (243, 7448), (258, 7493), (295, 7601), (300, 7625), (310, 7691), (316, 7715), (386, 7958), (480, 8231), (481, 8234), (556, 8450), (598, 8540), (599, 8543), (642, 8687), (665, 8714), (666, 8717), (668, 8720),

Gene: Anselm_12 Start: 7545, Stop: 9335, Start Num: 55

Candidate Starts for Anselm_12:

(Start: 55 @7545 has 222 MA's), (123, 7653), (133, 7674), (164, 7782), (180, 7833), (258, 8070), (295, 8178), (310, 8268), (316, 8292), (352, 8409), (357, 8424), (439, 8724), (516, 8910), (523, 8937), (530, 8958), (556, 9054), (642, 9291), (666, 9321),

Gene: Anthony_11 Start: 5672, Stop: 7372, Start Num: 59

Candidate Starts for Anthony_11:

(Start: 59 @5672 has 1 MA's), (Start: 142 @5813 has 2 MA's), (166, 5852), (256, 6128), (258, 6131), (285, 6203), (295, 6242), (307, 6314), (310, 6332), (346, 6455), (354, 6479), (356, 6485), (378, 6581), (411, 6707), (443, 6773), (460, 6806), (480, 6872), (523, 6974), (530, 6995), (544, 7049), (556, 7091), (569, 7118), (577, 7145), (641, 7325), (642, 7328), (668, 7361),

Gene: Anubis_15 Start: 6843, Stop: 8543, Start Num: 57

Candidate Starts for Anubis_15:

(Start: 57 @6843 has 139 MA's), (Start: 89 @6891 has 4 MA's), (Start: 132 @6963 has 1 MA's), (166, 7026), (230, 7218), (258, 7305), (310, 7503), (336, 7593), (356, 7656), (395, 7818), (470, 8016), (480, 8040), (481, 8043), (512, 8106), (519, 8127), (530, 8166), (556, 8262), (577, 8316), (598, 8352), (642, 8499), (666, 8529), (668, 8532),

Gene: Aphelion_30 Start: 8680, Stop: 10428, Start Num: 95

Candidate Starts for Aphelion_30:

(Start: 95 @8680 has 23 MA's), (112, 8710), (177, 8839), (225, 9025), (233, 9064), (242, 9088), (247, 9118), (256, 9136), (264, 9163), (274, 9193), (327, 9385), (330, 9403), (370, 9565), (393, 9613), (398, 9628), (457, 9811), (459, 9817), (480, 9901), (515, 9988), (524, 10021), (555, 10135), (569, 10171), (577, 10195), (586, 10210), (646, 10384), (653, 10390),

Gene: Apiary_28 Start: 14038, Stop: 15711, Start Num: 82

Candidate Starts for Apiary_28:

(Start: 82 @14038 has 25 MA's), (167, 14182), (183, 14233), (233, 14407), (241, 14428), (245, 14452), (255, 14479), (265, 14512), (289, 14578), (299, 14626), (314, 14689), (322, 14716), (367, 14884), (371, 14896), (408, 15007), (421, 15058), (471, 15157), (502, 15256), (507, 15268), (516, 15295), (520, 15307), (523, 15322), (544, 15397), (558, 15430), (571, 15463), (611, 15547), (616, 15568), (627, 15616), (663, 15691),

Gene: AppleCloud_6 Start: 2865, Stop: 4547, Start Num: 57

Candidate Starts for AppleCloud_6:

(Start: 57 @2865 has 139 MA's), (Start: 169 @3051 has 2 MA's), (191, 3123), (198, 3135), (201, 3159), (205, 3171), (262, 3339), (287, 3399), (310, 3507), (378, 3762), (397, 3834), (460, 3978), (469, 4017), (470, 4020), (484, 4053), (516, 4122), (556, 4266), (573, 4311), (605, 4371), (642, 4503), (665, 4530), (666, 4533), (668, 4536),

Gene: Applejack_11 Start: 6989, Stop: 8677, Start Num: 54

Candidate Starts for Applejack_11:

(Start: 54 @6989 has 363 MA's), (198, 7253), (201, 7277), (258, 7439), (267, 7472), (295, 7547), (305, 7601), (310, 7637), (316, 7661), (328, 7688), (338, 7736), (360, 7805), (380, 7892), (395, 7952), (486, 8186), (490, 8198), (512, 8240), (519, 8261), (529, 8288), (556, 8396), (598, 8486), (627, 8591),

Gene: Apricot_2 Start: 453, Stop: 2147, Start Num: 84

Candidate Starts for Apricot_2:

(28, 324), (33, 357), (34, 360), (38, 378), (56, 411), (64, 420), (Start: 84 @453 has 10 MA's), (Start: 103 @486 has 70 MA's), (Start: 132 @537 has 1 MA's), (139, 549), (148, 576), (187, 666), (210, 747), (212, 756), (214, 759), (230, 792), (243, 843), (252, 879), (254, 882), (258, 888), (263, 903), (264, 906), (269, 924), (278, 942), (295, 996), (304, 1047), (310, 1071), (336, 1158), (353, 1218), (357, 1227), (363, 1263), (373, 1299), (384, 1338), (385, 1341), (390, 1371), (436, 1503), (442, 1509), (465, 1572), (469, 1599), (480, 1626), (481, 1629), (488, 1644), (512, 1701), (523, 1740), (546, 1821), (553, 1851), (579, 1914), (605, 1962), (606, 1965), (630, 2058), (632, 2061), (636, 2079), (641, 2088), (648, 2100), (668, 2136),

Gene: Aragog_9 Start: 6296, Stop: 8047, Start Num: 32

Candidate Starts for Aragog_9:

(Start: 29 @6269 has 19 MA's), (Start: 32 @6296 has 30 MA's), (66, 6365), (135, 6479), (139, 6485), (191, 6617), (212, 6692), (214, 6695), (279, 6869), (287, 6893), (310, 7001), (324, 7046), (344, 7124), (346, 7130), (347, 7133), (388, 7295), (390, 7301), (397, 7328), (403, 7349), (470, 7523), (480, 7547), (481, 7550), (512, 7610), (516, 7622), (523, 7649), (530, 7670), (544, 7724), (551, 7754), (556, 7766), (642, 8003), (668, 8036), (670, 8042),

Gene: Arcanine_12 Start: 6925, Stop: 8613, Start Num: 54

Candidate Starts for Arcanine_12:

(Start: 54 @6925 has 363 MA's), (198, 7189), (201, 7213), (258, 7375), (267, 7408), (295, 7483), (310, 7573), (316, 7597), (328, 7624), (338, 7672), (376, 7816), (380, 7828), (395, 7888), (481, 8113), (486, 8122), (490, 8134), (512, 8176), (519, 8197), (529, 8224), (556, 8332), (598, 8422), (627, 8527),

Gene: ArcherNM_14 Start: 9227, Stop: 11014, Start Num: 55

Candidate Starts for ArcherNM_14:

(21, 9107), (Start: 55 @9227 has 222 MA's), (123, 9335), (133, 9356), (164, 9464), (180, 9515), (191, 9551), (207, 9605), (256, 9746), (258, 9749), (269, 9788), (295, 9857), (310, 9947), (316, 9971), (357, 10103), (470, 10490), (516, 10589), (523, 10616), (530, 10637), (551, 10721), (556, 10733), (642, 10970), (665, 10997), (666, 11000), (668, 11003), (669, 11006),

Gene: Archetta_9 Start: 5978, Stop: 7756, Start Num: 29

Candidate Starts for Archetta_9:

(Start: 29 @5978 has 19 MA's), (Start: 32 @6005 has 30 MA's), (66, 6074), (Start: 90 @6113 has 1 MA's), (135, 6188), (139, 6194), (191, 6326), (212, 6401), (214, 6404), (262, 6539), (279, 6578), (287, 6602), (310, 6710), (324, 6755), (344, 6833), (346, 6839), (388, 7004), (397, 7037), (403, 7058), (470, 7232), (480, 7256), (481, 7259), (512, 7319), (516, 7331), (523, 7358), (530, 7379), (551, 7463), (556, 7475), (642, 7712), (668, 7745), (670, 7751),

Gene: ArcusAngelus_2 Start: 573, Stop: 2210, Start Num: 88

Candidate Starts for ArcusAngelus_2:

(Start: 88 @573 has 156 MA's), (91, 582), (Start: 101 @597 has 3 MA's), (Start: 114 @618 has 1 MA's), (Start: 121 @630 has 1 MA's), (Start: 134 @654 has 2 MA's), (136, 657), (168, 720), (184, 759), (208, 846), (224, 906), (233, 918), (238, 930), (241, 939), (242, 942), (245, 963), (251, 984), (260, 999), (276, 1056), (292, 1095), (303, 1164), (306, 1170), (314, 1200), (315, 1203), (316, 1212), (322, 1227), (328, 1245), (339, 1296), (365, 1389), (367, 1398), (422, 1569), (435, 1581), (470, 1665), (483, 1695), (485, 1698), (487, 1701), (512, 1758), (517, 1773), (519, 1779), (520, 1782), (523, 1797), (529, 1806), (545, 1875), (554, 1905), (558, 1914), (571, 1947), (583, 1980), (597, 2007), (611, 2040), (616, 2061), (618, 2067), (619, 2070), (623, 2091), (627, 2115), (630, 2124), (632, 2127), (660, 2184),

Gene: Ardmore_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Ardmore_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Arianna_3 Start: 1236, Stop: 2873, Start Num: 89

Candidate Starts for Arianna_3:

(Start: 89 @1236 has 4 MA's), (104, 1260), (144, 1338), (176, 1404), (205, 1503), (210, 1521), (212, 1530), (216, 1536), (233, 1584), (235, 1590), (239, 1599), (248, 1641), (250, 1647), (252, 1650), (258, 1659), (284, 1737), (310, 1854), (314, 1866), (315, 1869), (316, 1878), (336, 1941), (357, 2013), (363, 2046), (394, 2124), (433, 2235), (460, 2280), (510, 2412), (512, 2418), (549, 2550), (556, 2589), (598, 2679), (609, 2706), (629, 2787), (634, 2802), (635, 2805), (637, 2814), (668, 2862),

Gene: Arissanae_11 Start: 6238, Stop: 8028, Start Num: 55

Candidate Starts for Arissanae_11:

(Start: 55 @6238 has 222 MA's), (Start: 68 @6253 has 32 MA's), (139, 6370), (164, 6469), (212, 6631), (241, 6703), (258, 6757), (269, 6796), (295, 6868), (310, 6958), (316, 6982), (357, 7114), (383, 7222), (402, 7297), (411, 7333), (429, 7393), (448, 7429), (476, 7513), (484, 7534), (523, 7630), (524, 7633), (530, 7651), (544, 7705), (551, 7735), (556, 7747), (598, 7837), (606, 7855), (621, 7906), (642, 7984), (665, 8011), (666, 8014),

Gene: Arlo_10 Start: 6614, Stop: 8302, Start Num: 54

Candidate Starts for Arlo_10:

(Start: 54 @6614 has 363 MA's), (198, 6878), (201, 6902), (258, 7064), (267, 7097), (295, 7172), (310, 7262), (316, 7286), (328, 7313), (338, 7361), (360, 7430), (376, 7505), (380, 7517), (395, 7577), (486, 7811), (490, 7823), (512, 7865), (519, 7886), (529, 7913), (556, 8021), (598, 8111), (627, 8216),

Gene: Artemis2UCLA_15 Start: 7416, Stop: 9170, Start Num: 55

Candidate Starts for Artemis2UCLA_15:

(Start: 55 @7416 has 222 MA's), (139, 7548), (164, 7647), (172, 7671), (180, 7698), (191, 7734), (212, 7809), (258, 7932), (262, 7947), (269, 7971), (295, 8040), (300, 8064), (301, 8067), (310, 8130), (316, 8154), (356, 8283), (357, 8286), (386, 8397), (438, 8559), (470, 8646), (476, 8658), (480, 8670), (507, 8718), (512, 8733), (523, 8772), (530, 8793), (551, 8877), (556, 8889), (642, 9126), (665, 9153), (666, 9156),

Gene: Arti_24 Start: 12115, Stop: 13842, Start Num: 81

Candidate Starts for Arti_24:

(9, 11881), (30, 12010), (Start: 81 @12115 has 11 MA's), (167, 12265), (183, 12316), (184, 12322), (197, 12361), (202, 12391), (209, 12415), (212, 12433), (219, 12460), (228, 12523), (233, 12541), (314, 12826), (322, 12853), (345, 12937), (367, 13021), (371, 13033), (381, 13066), (408, 13144), (444, 13222), (470, 13294), (485, 13327), (502, 13390), (512, 13417), (520, 13441), (529, 13465), (558, 13564), (576, 13612), (627, 13750), (636, 13780), (669, 13834),

Gene: Arturo_10 Start: 6995, Stop: 8692, Start Num: 54

Candidate Starts for Arturo_10:

(Start: 54 @6995 has 363 MA's), (Start: 74 @7019 has 1 MA's), (Start: 142 @7142 has 2 MA's), (185, 7232), (198, 7265), (230, 7364), (256, 7448), (258, 7451), (269, 7490), (295, 7559), (300, 7583), (310, 7649), (336, 7739), (380, 7904), (403, 7991), (411, 8024), (443, 8090), (470, 8165), (480, 8189), (512, 8255), (523, 8294), (530, 8315), (556, 8411), (641, 8645), (642, 8648), (666, 8678), (668, 8681),

Gene: Asa16_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Asa16_2:

(Start: 75 @533 has 41 MA's), (Start: 132 @620 has 1 MA's), (240, 905), (258, 962), (263, 983), (274, 1010), (302, 1100), (313, 1154), (327, 1199), (346, 1274), (367, 1364), (412, 1487), (425, 1526), (470, 1649), (537, 1829), (544, 1862), (556, 1904), (563, 1919), (605, 2054), (616, 2090), (630, 2150), (634, 2162),

Gene: Ascela_2 Start: 534, Stop: 2240, Start Num: 75

Candidate Starts for Ascela_2:

(Start: 75 @534 has 41 MA's), (240, 906), (258, 963), (274, 1011), (302, 1101), (327, 1200), (346, 1275), (367, 1365), (412, 1488), (425, 1527), (470, 1650), (537, 1830), (546, 1869), (556, 1905), (563, 1920), (605, 2055), (626, 2139), (630, 2151), (634, 2163),

Gene: Ashballer_10 Start: 7174, Stop: 8682, Start Num: 169

Candidate Starts for Ashballer_10:

(Start: 61 @6994 has 24 MA's), (Start: 169 @7174 has 2 MA's), (198, 7258), (202, 7285), (205, 7294), (258, 7444), (295, 7552), (310, 7642), (316, 7666), (328, 7693), (338, 7741), (376, 7885), (380, 7897), (383, 7906), (395, 7957), (486, 8191), (490, 8203), (512, 8245), (519, 8266), (529, 8293), (556, 8401),

(598, 8491), (627, 8596),

Gene: Ashes_2 Start: 594, Stop: 2282, Start Num: 79

Candidate Starts for Ashes_2:

(Start: 79 @594 has 10 MA's), (187, 795), (235, 939), (243, 963), (258, 1008), (291, 1095), (302, 1149), (309, 1188), (346, 1323), (371, 1425), (457, 1647), (470, 1698), (546, 1917), (556, 1953), (563, 1968), (630, 2193), (634, 2205), (638, 2220), (668, 2271),

Gene: Asten_6 Start: 2376, Stop: 4022, Start Num: 53

Candidate Starts for Asten_6:

(Start: 53 @2376 has 92 MA's), (Start: 68 @2394 has 32 MA's), (Start: 142 @2526 has 2 MA's), (180, 2598), (191, 2634), (248, 2814), (259, 2835), (277, 2880), (292, 2922), (304, 2994), (310, 3018), (339, 3117), (344, 3132), (352, 3156), (354, 3162), (407, 3330), (470, 3480), (479, 3501), (507, 3564), (516, 3591), (546, 3699), (556, 3738), (567, 3759), (569, 3765), (573, 3783), (616, 3879), (630, 3939), (670, 4017),

Gene: Astro_9 Start: 5704, Stop: 7458, Start Num: 32

Candidate Starts for Astro_9:

(Start: 32 @5704 has 30 MA's), (49, 5746), (73, 5785), (139, 5893), (212, 6100), (287, 6301), (310, 6409), (346, 6538), (388, 6703), (397, 6736), (446, 6856), (470, 6931), (519, 7042), (523, 7060), (530, 7081), (544, 7135), (556, 7177), (605, 7282), (630, 7381), (642, 7414), (668, 7447), (670, 7453),

Gene: Atkinbua_12 Start: 6969, Stop: 8657, Start Num: 54

Candidate Starts for Atkinbua_12:

(Start: 54 @6969 has 363 MA's), (198, 7233), (201, 7257), (258, 7419), (267, 7452), (295, 7527), (310, 7617), (316, 7641), (328, 7668), (338, 7716), (360, 7785), (380, 7872), (383, 7881), (395, 7932), (486, 8166), (490, 8178), (512, 8220), (519, 8241), (529, 8268), (556, 8376), (598, 8466), (627, 8571),

Gene: Attoomi_3 Start: 881, Stop: 2503, Start Num: 85

Candidate Starts for Attoomi_3:

(Start: 85 @881 has 1 MA's), (108, 920), (Start: 132 @953 has 1 MA's), (202, 1136), (208, 1154), (241, 1241), (248, 1277), (258, 1295), (263, 1313), (269, 1334), (286, 1370), (292, 1382), (302, 1433), (310, 1478), (312, 1484), (328, 1535), (331, 1556), (336, 1574), (356, 1637), (360, 1652), (363, 1673), (392, 1739), (401, 1775), (407, 1799), (412, 1817), (415, 1835), (437, 1868), (463, 1922), (470, 1946), (473, 1952), (476, 1958), (512, 2045), (530, 2105), (537, 2126), (545, 2162), (546, 2165), (551, 2189), (556, 2201), (573, 2246), (583, 2270), (605, 2321), (634, 2429), (666, 2489),

Gene: Aubs_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Aubs_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: AugsMagnumOpus_15 Start: 6949, Stop: 8649, Start Num: 57

Candidate Starts for AugsMagnumOpus_15:

(Start: 57 @6949 has 139 MA's), (Start: 89 @6997 has 4 MA's), (166, 7132), (230, 7324), (258, 7411), (310, 7609), (336, 7699), (356, 7762), (395, 7924), (470, 8122), (480, 8146), (481, 8149), (512, 8212), (519, 8233), (530, 8272), (556, 8368), (577, 8422), (598, 8458), (642, 8605), (666, 8635), (668, 8638),

Gene: AvatarAhPeg_11 Start: 6848, Stop: 8545, Start Num: 54

Candidate Starts for AvatarAhPeg_11:

(Start: 54 @6848 has 363 MA's), (Start: 74 @6872 has 1 MA's), (Start: 169 @7034 has 2 MA's), (198, 7118), (256, 7301), (258, 7304), (269, 7343), (295, 7412), (300, 7436), (305, 7466), (310, 7502), (336, 7592), (380, 7757), (392, 7802), (403, 7844), (411, 7877), (443, 7943), (470, 8018), (480, 8042), (512, 8108), (523, 8147), (530, 8168), (556, 8264), (642, 8501), (666, 8531), (668, 8534),

Gene: Avle17_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Avle17_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Axiom_7 Start: 2171, Stop: 3832, Start Num: 53

Candidate Starts for Axiom_7:

(Start: 53 @2171 has 92 MA's), (204, 2489), (239, 2582), (243, 2597), (248, 2624), (259, 2645), (310, 2828), (319, 2861), (336, 2915), (346, 2948), (356, 2978), (357, 2981), (363, 3017), (398, 3104), (399, 3110), (407, 3140), (412, 3158), (469, 3287), (470, 3290), (476, 3302), (479, 3311), (482, 3320), (516, 3401), (523, 3428), (556, 3548), (567, 3569), (573, 3593), (605, 3653), (630, 3749), (670, 3827),

Gene: Axym_4 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for Axym_4:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (Start: 142 @1188 has 2 MA's), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (384, 1977), (390, 2010), (403, 2058), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (519, 2358), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: Azira_6 Start: 1989, Stop: 3689, Start Num: 103

Candidate Starts for Azira_6:

(Start: 103 @1989 has 70 MA's), (120, 2019), (141, 2061), (191, 2199), (205, 2247), (214, 2277), (230, 2310), (243, 2361), (245, 2376), (258, 2406), (273, 2457), (302, 2556), (304, 2577), (327, 2646), (336, 2688), (345, 2718), (384, 2865), (394, 2916), (411, 2979), (416, 3003), (458, 3069), (465, 3102), (467, 3126), (469, 3129), (473, 3138), (481, 3159), (492, 3186), (512, 3231), (516, 3243), (518, 3249), (523, 3270), (533, 3309), (567, 3408), (579, 3444), (618, 3531), (637, 3612), (641, 3618), (666, 3675), (668, 3678),

Gene: B1_09 Start: 6133, Stop: 7830, Start Num: 54

Candidate Starts for B1_09:

(Start: 54 @6133 has 363 MA's), (102, 6205), (198, 6403), (212, 6466), (250, 6577), (258, 6589), (269, 6628), (278, 6640), (295, 6697), (300, 6721), (305, 6751), (310, 6787), (313, 6796), (336, 6877), (344, 6904), (380, 7042), (397, 7108), (403, 7129), (411, 7162), (443, 7228), (470, 7303), (480, 7327), (481, 7330), (484, 7336), (488, 7345), (512, 7393), (523, 7432), (524, 7435), (530, 7453), (556, 7549), (577, 7603), (632, 7756), (642, 7786), (666, 7816), (668, 7819),

Gene: BABullseye_15 Start: 7523, Stop: 9277, Start Num: 55

Candidate Starts for BABullseye_15:

(Start: 55 @7523 has 222 MA's), (164, 7754), (180, 7805), (191, 7841), (212, 7916), (258, 8039), (269, 8078), (295, 8147), (300, 8171), (301, 8174), (310, 8237), (316, 8261), (346, 8360), (347, 8363), (356,

8390), (357, 8393), (443, 8678), (476, 8765), (480, 8777), (512, 8840), (523, 8879), (530, 8900), (551, 8984), (556, 8996), (642, 9233), (665, 9260), (666, 9263),

Gene: BK1_09 Start: 6581, Stop: 8269, Start Num: 54

Candidate Starts for BK1_09:

(Start: 54 @6581 has 363 MA's), (Start: 169 @6761 has 2 MA's), (198, 6845), (205, 6881), (212, 6908), (258, 7031), (267, 7064), (295, 7139), (310, 7229), (316, 7253), (328, 7280), (338, 7328), (380, 7484), (395, 7544), (486, 7778), (490, 7790), (512, 7832), (519, 7853), (529, 7880), (556, 7988), (598, 8078), (627, 8183),

Gene: BPBiebs31_12 Start: 7253, Stop: 8941, Start Num: 54

Candidate Starts for BPBiebs31_12:

(Start: 54 @7253 has 363 MA's), (Start: 169 @7433 has 2 MA's), (198, 7517), (205, 7553), (212, 7580), (246, 7676), (258, 7703), (267, 7736), (295, 7811), (310, 7901), (316, 7925), (328, 7952), (338, 8000), (360, 8069), (380, 8156), (395, 8216), (481, 8441), (486, 8450), (490, 8462), (512, 8504), (519, 8525), (529, 8552), (556, 8660), (598, 8750), (627, 8855),

Gene: Baby16_11 Start: 6893, Stop: 8590, Start Num: 54

Candidate Starts for Baby16_11:

(Start: 54 @6893 has 363 MA's), (Start: 74 @6917 has 1 MA's), (Start: 142 @7040 has 2 MA's), (185, 7130), (198, 7163), (230, 7262), (256, 7346), (258, 7349), (269, 7388), (295, 7457), (300, 7481), (310, 7547), (336, 7637), (380, 7802), (403, 7889), (411, 7922), (443, 7988), (469, 8060), (470, 8063), (480, 8087), (507, 8138), (512, 8153), (523, 8192), (530, 8213), (556, 8309), (642, 8546), (666, 8576), (668, 8579),

Gene: BabyBack_14 Start: 9110, Stop: 10870, Start Num: 55

Candidate Starts for BabyBack_14:

(Start: 55 @9110 has 222 MA's), (123, 9218), (133, 9239), (161, 9329), (164, 9347), (256, 9629), (258, 9632), (269, 9671), (295, 9740), (310, 9830), (316, 9854), (346, 9953), (356, 9983), (357, 9986), (443, 10271), (470, 10346), (476, 10358), (480, 10370), (516, 10445), (524, 10475), (530, 10493), (551, 10577), (556, 10589), (583, 10658), (642, 10826), (665, 10853), (666, 10856),

Gene: BabyJohn_10 Start: 6717, Stop: 8414, Start Num: 54

Candidate Starts for BabyJohn_10:

(Start: 54 @6717 has 363 MA's), (102, 6789), (198, 6987), (212, 7050), (250, 7161), (258, 7173), (269, 7212), (278, 7224), (295, 7281), (300, 7305), (310, 7371), (313, 7380), (336, 7461), (344, 7488), (380, 7626), (397, 7692), (403, 7713), (411, 7746), (443, 7812), (470, 7887), (480, 7911), (481, 7914), (484, 7920), (488, 7929), (512, 7977), (523, 8016), (530, 8037), (556, 8133), (573, 8178), (577, 8187), (632, 8340), (642, 8370), (666, 8400), (668, 8403),

Gene: BabyRay_11 Start: 6733, Stop: 8430, Start Num: 54

Candidate Starts for BabyRay_11:

(Start: 54 @6733 has 363 MA's), (Start: 74 @6757 has 1 MA's), (176, 6940), (198, 7003), (212, 7066), (250, 7177), (258, 7189), (269, 7228), (295, 7297), (300, 7321), (310, 7387), (313, 7396), (336, 7477), (380, 7642), (397, 7708), (403, 7729), (411, 7762), (443, 7828), (480, 7927), (481, 7930), (484, 7936), (488, 7945), (507, 7978), (512, 7993), (530, 8053), (556, 8149), (573, 8194), (577, 8203), (583, 8218), (632, 8356), (642, 8386), (666, 8416), (668, 8419),

Gene: Bachita_32 Start: 9113, Stop: 10861, Start Num: 95

Candidate Starts for Bachita_32:

(Start: 95 @9113 has 23 MA's), (112, 9143), (177, 9272), (225, 9458), (233, 9497), (242, 9521), (256, 9569), (264, 9596), (274, 9626), (327, 9818), (330, 9836), (370, 9998), (393, 10046), (398, 10061), (457, 10244), (459, 10250), (480, 10334), (515, 10421), (524, 10454), (555, 10568), (569, 10604),

(577, 10628), (586, 10643), (646, 10817), (653, 10823),

Gene: Bachome_12 Start: 8021, Stop: 9784, Start Num: 55

Candidate Starts for Bachome_12:

(Start: 55 @8021 has 222 MA's), (Start: 72 @8042 has 5 MA's), (123, 8129), (164, 8258), (172, 8282), (191, 8345), (241, 8489), (256, 8540), (258, 8543), (295, 8654), (300, 8678), (301, 8681), (310, 8744), (313, 8753), (316, 8768), (352, 8885), (357, 8900), (368, 8960), (392, 9044), (476, 9272), (480, 9284), (507, 9332), (512, 9347), (523, 9386), (530, 9407), (540, 9446), (551, 9491), (556, 9503), (642, 9740), (665, 9767),

Gene: Backyardigan_11 Start: 6893, Stop: 8590, Start Num: 54

Candidate Starts for Backyardigan_11:

(Start: 54 @6893 has 363 MA's), (Start: 74 @6917 has 1 MA's), (198, 7163), (231, 7268), (256, 7346), (258, 7349), (269, 7388), (295, 7457), (300, 7481), (310, 7547), (336, 7637), (380, 7802), (392, 7847), (403, 7889), (411, 7922), (443, 7988), (469, 8060), (470, 8063), (480, 8087), (512, 8153), (523, 8192), (530, 8213), (556, 8309), (641, 8543), (642, 8546), (666, 8576), (668, 8579),

Gene: BaconJack_13 Start: 7032, Stop: 8720, Start Num: 54

Candidate Starts for BaconJack_13:

(Start: 54 @7032 has 363 MA's), (198, 7296), (201, 7320), (258, 7482), (267, 7515), (295, 7590), (310, 7680), (316, 7704), (328, 7731), (338, 7779), (360, 7848), (380, 7935), (395, 7995), (481, 8220), (486, 8229), (490, 8241), (512, 8283), (519, 8304), (529, 8331), (556, 8439), (598, 8529), (627, 8634),

Gene: Bactobuster_13 Start: 9196, Stop: 10974, Start Num: 55

Candidate Starts for Bactobuster_13:

(Start: 55 @9196 has 222 MA's), (Start: 72 @9214 has 5 MA's), (139, 9325), (Start: 142 @9337 has 2 MA's), (154, 9379), (157, 9391), (158, 9400), (164, 9424), (191, 9511), (256, 9706), (258, 9709), (269, 9748), (295, 9817), (310, 9907), (316, 9931), (346, 10030), (357, 10063), (439, 10363), (470, 10450), (516, 10549), (523, 10576), (530, 10597), (556, 10693), (642, 10930), (665, 10957), (666, 10960),

Gene: Badger_11 Start: 6882, Stop: 8579, Start Num: 54

Candidate Starts for Badger_11:

(Start: 54 @6882 has 363 MA's), (Start: 74 @6906 has 1 MA's), (198, 7152), (231, 7257), (256, 7335), (258, 7338), (269, 7377), (295, 7446), (300, 7470), (310, 7536), (336, 7626), (380, 7791), (392, 7836), (403, 7878), (411, 7911), (443, 7977), (469, 8049), (470, 8052), (480, 8076), (512, 8142), (523, 8181), (530, 8202), (556, 8298), (641, 8532), (642, 8535), (666, 8565), (668, 8568),

Gene: Baehexic_13 Start: 7944, Stop: 9731, Start Num: 55

Candidate Starts for Baehexic_13:

(27, 7860), (Start: 55 @7944 has 222 MA's), (123, 8052), (133, 8073), (164, 8181), (258, 8466), (295, 8574), (310, 8664), (316, 8688), (352, 8805), (357, 8820), (470, 9207), (523, 9333), (530, 9354), (556, 9450), (642, 9687), (665, 9714), (666, 9717), (668, 9720), (669, 9723),

Gene: BangNhom_10 Start: 6861, Stop: 8558, Start Num: 54

Candidate Starts for BangNhom_10:

(Start: 54 @6861 has 363 MA's), (Start: 74 @6885 has 1 MA's), (Start: 142 @7008 has 2 MA's), (185, 7098), (198, 7131), (256, 7314), (258, 7317), (269, 7356), (295, 7425), (300, 7449), (310, 7515), (336, 7605), (380, 7770), (403, 7857), (411, 7890), (443, 7956), (469, 8028), (470, 8031), (480, 8055), (507, 8106), (512, 8121), (523, 8160), (530, 8181), (556, 8277), (642, 8514), (666, 8544), (668, 8547),

Gene: Bantam_12 Start: 6089, Stop: 7825, Start Num: 95

Candidate Starts for Bantam_12:

(Start: 95 @6089 has 23 MA's), (139, 6161), (167, 6218), (207, 6350), (230, 6461), (242, 6497), (270, 6593), (310, 6737), (317, 6764), (330, 6812), (338, 6845), (357, 6902), (394, 7019), (405, 7064), (555, 7535), (605, 7643), (630, 7739),

Gene: Barnstormer_2 Start: 634, Stop: 2352, Start Num: 68

Candidate Starts for Barnstormer_2:

(Start: 68 @634 has 32 MA's), (235, 1006), (248, 1057), (258, 1075), (302, 1225), (457, 1720), (556, 2026), (563, 2041), (616, 2206), (634, 2278),

Gene: Barriga_11 Start: 6857, Stop: 8545, Start Num: 54

Candidate Starts for Barriga_11:

(Start: 54 @6857 has 363 MA's), (198, 7121), (201, 7145), (258, 7307), (267, 7340), (295, 7415), (310, 7505), (316, 7529), (328, 7556), (338, 7604), (347, 7631), (380, 7760), (383, 7769), (395, 7820), (481, 8045), (486, 8054), (490, 8066), (512, 8108), (519, 8129), (529, 8156), (556, 8264), (598, 8354), (627, 8459),

Gene: BarrowTuph_10 Start: 6904, Stop: 8592, Start Num: 54

Candidate Starts for BarrowTuph_10:

(Start: 54 @6904 has 363 MA's), (198, 7168), (201, 7192), (258, 7354), (267, 7387), (295, 7462), (310, 7552), (316, 7576), (338, 7651), (380, 7807), (383, 7816), (394, 7864), (395, 7867), (481, 8092), (486, 8101), (490, 8113), (512, 8155), (519, 8176), (529, 8203), (556, 8311), (598, 8401), (627, 8506),

Gene: BarryBee_8 Start: 2376, Stop: 4022, Start Num: 53

Candidate Starts for BarryBee_8:

(Start: 53 @2376 has 92 MA's), (Start: 68 @2394 has 32 MA's), (Start: 142 @2526 has 2 MA's), (180, 2598), (191, 2634), (248, 2814), (259, 2835), (277, 2880), (292, 2922), (304, 2994), (310, 3018), (339, 3117), (344, 3132), (352, 3156), (354, 3162), (407, 3330), (470, 3480), (479, 3501), (507, 3564), (516, 3591), (546, 3699), (556, 3738), (567, 3759), (569, 3765), (573, 3783), (616, 3879), (630, 3939), (670, 4017),

Gene: BartholomewSD_8 Start: 2347, Stop: 3993, Start Num: 53

Candidate Starts for BartholomewSD_8:

(Start: 53 @2347 has 92 MA's), (Start: 142 @2497 has 2 MA's), (198, 2617), (204, 2650), (239, 2743), (243, 2758), (248, 2785), (259, 2806), (292, 2893), (304, 2965), (310, 2989), (339, 3088), (349, 3124), (378, 3229), (398, 3265), (407, 3301), (412, 3319), (469, 3448), (470, 3451), (476, 3463), (479, 3472), (481, 3478), (482, 3481), (516, 3562), (523, 3589), (546, 3670), (556, 3709), (567, 3730), (573, 3754), (596, 3796), (605, 3814), (630, 3910), (670, 3988),

Gene: Bartimeaus_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Bartimeaus_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Batiatus_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Batiatus_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613),

(470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Battleship_15 Start: 6808, Stop: 8505, Start Num: 55

Candidate Starts for Battleship_15:

(Start: 55 @6808 has 222 MA's), (71, 6826), (166, 6988), (212, 7144), (241, 7213), (258, 7267), (295, 7375), (301, 7402), (310, 7465), (316, 7489), (480, 8005), (512, 8068), (524, 8110), (556, 8224), (605, 8329), (642, 8461), (665, 8488), (666, 8491), (668, 8494),

Gene: Bavilard_4 Start: 1679, Stop: 3355, Start Num: 103

Candidate Starts for Bavilard_4:

(Start: 103 @1679 has 70 MA's), (Start: 132 @1730 has 1 MA's), (141, 1751), (167, 1796), (180, 1838), (191, 1874), (243, 2036), (252, 2072), (258, 2081), (259, 2084), (273, 2132), (279, 2144), (302, 2231), (349, 2411), (363, 2465), (409, 2645), (416, 2678), (459, 2744), (473, 2810), (476, 2816), (512, 2900), (537, 2981), (544, 3014), (569, 3083), (605, 3161), (632, 3260), (637, 3281), (641, 3287), (666, 3341), (668, 3344),

Gene: BearBQ_2 Start: 486, Stop: 2147, Start Num: 103

Candidate Starts for BearBQ_2:

(28, 324), (33, 357), (34, 360), (56, 411), (64, 420), (Start: 84 @453 has 10 MA's), (Start: 103 @486 has 70 MA's), (Start: 132 @537 has 1 MA's), (139, 549), (148, 576), (166, 597), (187, 666), (191, 681), (202, 720), (210, 747), (212, 756), (214, 759), (230, 792), (238, 825), (239, 828), (243, 843), (252, 879), (254, 882), (258, 888), (263, 903), (264, 906), (278, 942), (295, 996), (304, 1047), (310, 1071), (336, 1158), (353, 1218), (357, 1227), (363, 1263), (373, 1299), (385, 1341), (396, 1395), (403, 1419), (409, 1443), (436, 1503), (442, 1509), (465, 1572), (480, 1626), (488, 1644), (512, 1701), (516, 1713), (523, 1740), (546, 1821), (553, 1851), (570, 1890), (579, 1914), (599, 1950), (605, 1962), (606, 1965), (630, 2058), (632, 2061), (636, 2079), (648, 2100), (659, 2121), (668, 2136),

Gene: BeardedLady_7 Start: 2667, Stop: 4295, Start Num: 68

Candidate Starts for BeardedLady_7:

(Start: 53 @2649 has 92 MA's), (Start: 68 @2667 has 32 MA's), (180, 2871), (204, 2952), (248, 3087), (259, 3108), (292, 3195), (304, 3267), (310, 3291), (339, 3390), (357, 3444), (392, 3543), (407, 3603), (476, 3765), (479, 3774), (516, 3864), (523, 3891), (545, 3969), (546, 3972), (556, 4011), (567, 4032), (569, 4038), (573, 4056), (616, 4152), (630, 4212),

Gene: Beaupre_2 Start: 594, Stop: 2282, Start Num: 79

Candidate Starts for Beaupre_2:

(Start: 79 @594 has 10 MA's), (187, 795), (235, 939), (258, 1008), (291, 1095), (302, 1149), (309, 1188), (346, 1323), (371, 1425), (457, 1647), (470, 1698), (546, 1917), (556, 1953), (563, 1968), (630, 2193), (634, 2205), (638, 2220), (668, 2271),

Gene: Beauxregard13_13 Start: 6957, Stop: 8657, Start Num: 57

Candidate Starts for Beauxregard13_13:

(Start: 57 @6957 has 139 MA's), (Start: 89 @7005 has 4 MA's), (166, 7140), (230, 7332), (258, 7419), (310, 7617), (336, 7707), (356, 7770), (395, 7932), (470, 8130), (480, 8154), (481, 8157), (512, 8220), (519, 8241), (530, 8280), (556, 8376), (577, 8430), (598, 8466), (642, 8613), (666, 8643), (668, 8646),

Gene: BeeGee_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for BeeGee_2:

(Start: 57 @485 has 139 MA's), (140, 623), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (361, 1376), (363, 1382), (371, 1415), (447, 1589), (460, 1616), (481, 1685), (484, 1691),

(512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (641, 2225), (666, 2270), (668, 2273),

Gene: Beelzebub_39 Start: 11419, Stop: 13161, Start Num: 103

Candidate Starts for Beelzebub_39:

(Start: 103 @11419 has 70 MA's), (166, 11536), (180, 11581), (195, 11647), (196, 11662), (201, 11695), (202, 11698), (207, 11713), (214, 11737), (216, 11740), (230, 11770), (236, 11791), (239, 11809), (242, 11818), (249, 11854), (258, 11869), (273, 11914), (292, 11956), (298, 11995), (302, 12007), (304, 12028), (317, 12079), (328, 12100), (390, 12322), (416, 12427), (419, 12436), (450, 12469), (459, 12490), (460, 12493), (465, 12520), (470, 12550), (476, 12562), (481, 12577), (486, 12586), (488, 12592), (506, 12634), (508, 12643), (514, 12658), (519, 12673), (537, 12733), (544, 12772), (552, 12805), (567, 12835), (568, 12838), (590, 12922), (605, 12976), (610, 12991), (619, 13018), (630, 13072), (665, 13144), (666, 13147),

Gene: Beemo_13 Start: 8164, Stop: 9930, Start Num: 72

Candidate Starts for Beemo_13:

(Start: 55 @8143 has 222 MA's), (Start: 68 @8158 has 32 MA's), (Start: 72 @8164 has 5 MA's), (139, 8275), (164, 8374), (212, 8536), (241, 8608), (258, 8662), (269, 8701), (295, 8773), (310, 8863), (316, 8887), (352, 9004), (357, 9019), (383, 9127), (402, 9202), (411, 9238), (429, 9298), (476, 9418), (484, 9439), (507, 9478), (523, 9532), (524, 9535), (530, 9553), (544, 9607), (551, 9637), (556, 9649), (598, 9739), (606, 9757), (642, 9886), (665, 9913), (666, 9916),

Gene: BeesKnees_12 Start: 7055, Stop: 8743, Start Num: 54

Candidate Starts for BeesKnees_12:

(Start: 54 @7055 has 363 MA's), (198, 7319), (201, 7343), (258, 7505), (267, 7538), (295, 7613), (310, 7703), (316, 7727), (328, 7754), (338, 7802), (360, 7871), (380, 7958), (383, 7967), (395, 8018), (481, 8243), (486, 8252), (490, 8264), (512, 8306), (519, 8327), (529, 8354), (556, 8462), (598, 8552), (627, 8657),

Gene: Belenaria_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Belenaria_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (446, 4236), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: BellusTerra_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for BellusTerra_11:

(13, 6707), (17, 6725), (Start: 20 @6755 has 1 MA's), (Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Benedict_9 Start: 6015, Stop: 7766, Start Num: 32

Candidate Starts for Benedict_9:

(Start: 29 @5988 has 19 MA's), (Start: 32 @6015 has 30 MA's), (58, 6075), (66, 6084), (Start: 90 @6123 has 1 MA's), (135, 6198), (139, 6204), (191, 6336), (212, 6411), (214, 6414), (279, 6588), (310, 6720), (324, 6765), (344, 6843), (346, 6849), (388, 7014), (397, 7047), (403, 7068), (470, 7242), (480, 7266), (523, 7368), (530, 7389), (544, 7443), (551, 7473), (556, 7485), (577, 7539), (641, 7719), (642, 7722), (668, 7755), (670, 7761),

Gene: BengiVuitton_13 Start: 7865, Stop: 9655, Start Num: 55

Candidate Starts for BengiVuitton_13:

(12, 7691), (Start: 55 @7865 has 222 MA's), (123, 7973), (133, 7994), (161, 8084), (164, 8102), (172, 8126), (258, 8390), (295, 8498), (310, 8588), (316, 8612), (352, 8729), (357, 8744), (439, 9044), (516, 9230), (523, 9257), (556, 9374), (642, 9611), (665, 9638), (666, 9641),

Gene: Benvolio_12 Start: 7541, Stop: 9328, Start Num: 55

Candidate Starts for Benvolio_12:

(12, 7367), (Start: 55 @7541 has 222 MA's), (123, 7649), (133, 7670), (164, 7778), (191, 7865), (256, 8060), (258, 8063), (295, 8171), (310, 8261), (316, 8285), (352, 8402), (357, 8417), (439, 8717), (516, 8903), (523, 8930), (530, 8951), (556, 9047), (642, 9284), (665, 9311), (666, 9314),

Gene: Bernal13_3 Start: 724, Stop: 2607, Start Num: 42

Candidate Starts for Bernal13_3:

(5, 475), (Start: 42 @724 has 7 MA's), (93, 805), (98, 814), (147, 910), (151, 922), (191, 1054), (242, 1201), (243, 1207), (248, 1234), (258, 1252), (282, 1315), (314, 1450), (364, 1651), (389, 1708), (473, 1927), (495, 1978), (503, 2002), (520, 2053), (547, 2182), (552, 2221), (556, 2230), (573, 2281), (585, 2320), (599, 2407), (605, 2419), (629, 2512), (634, 2527), (635, 2530),

Gene: Berrie_2 Start: 532, Stop: 2238, Start Num: 75

Candidate Starts for Berrie_2:

(Start: 75 @532 has 41 MA's), (240, 904), (258, 961), (274, 1009), (302, 1099), (346, 1273), (425, 1525), (470, 1648), (537, 1828), (556, 1903), (563, 1918), (605, 2053), (626, 2137), (630, 2149), (634, 2161),

Gene: BiPauneto_27 Start: 12066, Stop: 13793, Start Num: 82

Candidate Starts for BiPauneto_27:

(Start: 82 @12066 has 25 MA's), (167, 12216), (183, 12267), (202, 12342), (205, 12351), (228, 12474), (233, 12492), (314, 12774), (322, 12801), (367, 12969), (371, 12981), (408, 13092), (485, 13275), (520, 13389), (523, 13404), (532, 13437), (558, 13512), (618, 13656), (627, 13698), (636, 13728), (661, 13770),

Gene: BiancaTri92_14 Start: 9218, Stop: 11005, Start Num: 55

Candidate Starts for BiancaTri92_14:

(Start: 55 @9218 has 222 MA's), (123, 9326), (133, 9347), (164, 9455), (191, 9542), (207, 9596), (256, 9737), (258, 9740), (269, 9779), (295, 9848), (310, 9938), (316, 9962), (352, 10079), (357, 10094), (439, 10394), (470, 10481), (516, 10580), (523, 10607), (530, 10628), (556, 10724), (642, 10961), (665, 10988), (666, 10991),

Gene: BigChungus_3 Start: 928, Stop: 2604, Start Num: 103

Candidate Starts for BigChungus_3:

(Start: 103 @928 has 70 MA's), (Start: 132 @979 has 1 MA's), (141, 1000), (167, 1045), (180, 1087), (191, 1123), (210, 1189), (243, 1285), (252, 1321), (258, 1330), (259, 1333), (273, 1381), (279, 1393), (302, 1480), (349, 1660), (363, 1714), (409, 1894), (416, 1927), (459, 1993), (473, 2059), (476, 2065), (512, 2149), (537, 2230), (544, 2263), (569, 2332), (605, 2410), (619, 2452), (632, 2509), (637, 2530), (641, 2536), (666, 2590), (668, 2593),

Gene: BigMau_13 Start: 7221, Stop: 8909, Start Num: 61

Candidate Starts for BigMau_13:

(Start: 61 @7221 has 24 MA's), (166, 7392), (Start: 169 @7401 has 2 MA's), (198, 7485), (202, 7512), (205, 7521), (258, 7671), (267, 7704), (295, 7779), (310, 7869), (316, 7893), (328, 7920), (338, 7968), (380, 8124), (395, 8184), (481, 8409), (486, 8418), (490, 8430), (512, 8472), (519, 8493), (529, 8520), (556, 8628), (598, 8718), (627, 8823),

Gene: BigPaolini_12 Start: 7646, Stop: 9334, Start Num: 54

Candidate Starts for BigPaolini_12:

(Start: 54 @7646 has 363 MA's), (198, 7910), (201, 7934), (258, 8096), (267, 8129), (295, 8204), (310, 8294), (316, 8318), (328, 8345), (338, 8393), (360, 8462), (380, 8549), (383, 8558), (394, 8606), (395, 8609), (486, 8843), (490, 8855), (512, 8897), (519, 8918), (529, 8945), (556, 9053), (598, 9143), (627, 9248),

Gene: Bigchungji_11 Start: 6724, Stop: 8412, Start Num: 54

Candidate Starts for Bigchungji_11:

(Start: 54 @6724 has 363 MA's), (Start: 169 @6904 has 2 MA's), (198, 6988), (205, 7024), (212, 7051), (258, 7174), (295, 7282), (310, 7372), (316, 7396), (328, 7423), (338, 7471), (360, 7540), (380, 7627), (395, 7687), (481, 7912), (486, 7921), (490, 7933), (512, 7975), (519, 7996), (529, 8023), (556, 8131), (598, 8221), (627, 8326),

Gene: Bigflo_13 Start: 6955, Stop: 8655, Start Num: 57

Candidate Starts for Bigflo_13:

(Start: 57 @6955 has 139 MA's), (Start: 89 @7003 has 4 MA's), (166, 7138), (230, 7330), (258, 7417), (268, 7453), (310, 7615), (336, 7705), (356, 7768), (395, 7930), (470, 8128), (480, 8152), (481, 8155), (512, 8218), (519, 8239), (530, 8278), (556, 8374), (577, 8428), (598, 8464), (642, 8611), (666, 8641), (668, 8644),

Gene: Bigfoot_10 Start: 6745, Stop: 8433, Start Num: 54

Candidate Starts for Bigfoot_10:

(Start: 54 @6745 has 363 MA's), (Start: 169 @6925 has 2 MA's), (198, 7009), (205, 7045), (212, 7072), (258, 7195), (295, 7303), (310, 7393), (316, 7417), (338, 7492), (360, 7561), (380, 7648), (395, 7708), (481, 7933), (486, 7942), (490, 7954), (512, 7996), (519, 8017), (529, 8044), (556, 8152), (598, 8242), (627, 8347),

Gene: BillDoor_6 Start: 1115, Stop: 2794, Start Num: 103

Candidate Starts for BillDoor_6:

(Start: 103 @1115 has 70 MA's), (Start: 132 @1166 has 1 MA's), (141, 1187), (Start: 142 @1190 has 2 MA's), (167, 1232), (187, 1298), (204, 1358), (210, 1379), (212, 1388), (243, 1475), (252, 1511), (258, 1520), (273, 1571), (302, 1670), (313, 1724), (327, 1760), (363, 1904), (373, 1940), (384, 1979), (419, 2126), (442, 2150), (473, 2249), (510, 2333), (537, 2420), (567, 2516), (591, 2564), (599, 2588), (618, 2639), (637, 2720), (666, 2780), (668, 2783),

Gene: BillKnuckles_12 Start: 7662, Stop: 9350, Start Num: 54

Candidate Starts for BillKnuckles_12:

(Start: 54 @7662 has 363 MA's), (Start: 169 @7842 has 2 MA's), (198, 7926), (205, 7962), (258, 8112), (267, 8145), (295, 8220), (310, 8310), (316, 8334), (328, 8361), (363, 8502), (395, 8625), (470, 8823), (481, 8850), (515, 8922), (519, 8934), (524, 8955), (540, 9012), (556, 9069), (598, 9159), (599, 9162), (630, 9273), (632, 9276), (642, 9306), (666, 9336), (668, 9339),

Gene: Bipolar_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Bipolar_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021),

(611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Bircsak_11 Start: 7206, Stop: 8894, Start Num: 54

Candidate Starts for Bircsak_11:

(Start: 54 @7206 has 363 MA's), (198, 7470), (201, 7494), (258, 7656), (267, 7689), (295, 7764), (310, 7854), (316, 7878), (328, 7905), (338, 7953), (380, 8109), (395, 8169), (481, 8394), (486, 8403), (490, 8415), (512, 8457), (519, 8478), (529, 8505), (556, 8613), (598, 8703), (627, 8808),

Gene: Birdsong_2 Start: 486, Stop: 2147, Start Num: 103

Candidate Starts for Birdsong_2:

(28, 324), (33, 357), (34, 360), (38, 378), (56, 411), (64, 420), (Start: 84 @453 has 10 MA's), (Start: 103 @486 has 70 MA's), (Start: 132 @537 has 1 MA's), (139, 549), (148, 576), (187, 666), (210, 747), (212, 756), (214, 759), (230, 792), (243, 843), (252, 879), (254, 882), (258, 888), (263, 903), (264, 906), (269, 924), (278, 942), (295, 996), (304, 1047), (310, 1071), (336, 1158), (353, 1218), (357, 1227), (363, 1263), (373, 1299), (384, 1338), (385, 1341), (390, 1371), (436, 1503), (442, 1509), (465, 1572), (480, 1626), (488, 1644), (512, 1701), (516, 1713), (523, 1740), (546, 1821), (553, 1851), (570, 1890), (579, 1914), (599, 1950), (605, 1962), (606, 1965), (630, 2058), (632, 2061), (636, 2079), (648, 2100), (659, 2121), (668, 2136),

Gene: Biskit_5 Start: 1110, Stop: 2789, Start Num: 103

Candidate Starts for Biskit_5:

(Start: 103 @1110 has 70 MA's), (Start: 132 @1161 has 1 MA's), (141, 1182), (165, 1221), (191, 1308), (204, 1353), (210, 1374), (212, 1383), (239, 1455), (252, 1506), (258, 1515), (273, 1566), (302, 1665), (304, 1686), (313, 1719), (327, 1755), (363, 1899), (373, 1935), (384, 1974), (390, 2007), (403, 2055), (416, 2112), (442, 2145), (459, 2178), (473, 2244), (476, 2250), (506, 2316), (510, 2328), (537, 2415), (567, 2511), (591, 2559), (618, 2634), (637, 2715), (666, 2775), (668, 2778),

Gene: Blackbeetle_35 Start: 10438, Stop: 12180, Start Num: 103

Candidate Starts for Blackbeetle_35:

(Start: 103 @10438 has 70 MA's), (166, 10555), (180, 10600), (195, 10666), (196, 10681), (201, 10714), (202, 10717), (207, 10732), (214, 10756), (216, 10759), (230, 10789), (236, 10810), (239, 10828), (242, 10837), (249, 10873), (258, 10888), (273, 10933), (292, 10975), (298, 11014), (302, 11026), (304, 11047), (317, 11098), (328, 11119), (390, 11341), (416, 11446), (419, 11455), (450, 11488), (459, 11509), (460, 11512), (465, 11539), (470, 11569), (476, 11581), (481, 11596), (486, 11605), (488, 11611), (506, 11653), (508, 11662), (514, 11677), (519, 11692), (537, 11752), (544, 11791), (552, 11824), (567, 11854), (568, 11857), (590, 11941), (605, 11995), (610, 12010), (619, 12037), (630, 12091), (665, 12163), (666, 12166),

Gene: Blackmoor_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Blackmoor_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: BlessJoy_15 Start: 7514, Stop: 9268, Start Num: 55

Candidate Starts for BlessJoy_15:

(Start: 55 @7514 has 222 MA's), (139, 7646), (164, 7745), (172, 7769), (180, 7796), (191, 7832), (212, 7907), (258, 8030), (262, 8045), (269, 8069), (295, 8138), (300, 8162), (301, 8165), (310, 8228), (316, 8252), (356, 8381), (357, 8384), (386, 8495), (438, 8657), (470, 8744), (476, 8756), (480, 8768), (507, 8816), (512, 8831), (523, 8870), (530, 8891), (551, 8975), (556, 8987), (642, 9224), (665, 9251), (666, 9254),

Gene: Blexus_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Blexus_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (365, 1403), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Blinn1_15 Start: 7566, Stop: 9320, Start Num: 55

Candidate Starts for Blinn1_15:

(Start: 55 @7566 has 222 MA's), (164, 7797), (180, 7848), (191, 7884), (212, 7959), (258, 8082), (269, 8121), (295, 8190), (300, 8214), (301, 8217), (310, 8280), (316, 8304), (346, 8403), (347, 8406), (356, 8433), (357, 8436), (443, 8721), (476, 8808), (480, 8820), (512, 8883), (523, 8922), (530, 8943), (551, 9027), (556, 9039), (642, 9276), (665, 9303), (666, 9306),

Gene: Blondies_4 Start: 1111, Stop: 2790, Start Num: 103

Candidate Starts for Blondies_4:

(Start: 103 @1111 has 70 MA's), (Start: 132 @1162 has 1 MA's), (141, 1183), (165, 1222), (191, 1309), (204, 1354), (210, 1375), (212, 1384), (239, 1456), (252, 1507), (258, 1516), (273, 1567), (302, 1666), (304, 1687), (313, 1720), (327, 1756), (363, 1900), (373, 1936), (384, 1975), (390, 2008), (403, 2056), (416, 2113), (442, 2146), (459, 2179), (473, 2245), (476, 2251), (506, 2317), (510, 2329), (512, 2335), (537, 2416), (567, 2512), (591, 2560), (618, 2635), (637, 2716), (666, 2776), (668, 2779),

Gene: BluSpix_11 Start: 7005, Stop: 8693, Start Num: 54

Candidate Starts for BluSpix_11:

(Start: 54 @7005 has 363 MA's), (Start: 169 @7185 has 2 MA's), (198, 7269), (201, 7293), (258, 7455), (267, 7488), (295, 7563), (310, 7653), (316, 7677), (328, 7704), (338, 7752), (380, 7908), (395, 7968), (481, 8193), (486, 8202), (490, 8214), (512, 8256), (519, 8277), (529, 8304), (556, 8412), (598, 8502), (627, 8607),

Gene: Blue_11 Start: 7112, Stop: 8800, Start Num: 54

Candidate Starts for Blue_11:

(Start: 54 @7112 has 363 MA's), (76, 7133), (Start: 169 @7292 has 2 MA's), (198, 7376), (205, 7412), (212, 7439), (258, 7562), (267, 7595), (295, 7670), (310, 7760), (316, 7784), (328, 7811), (338, 7859), (360, 7928), (376, 8003), (380, 8015), (395, 8075), (481, 8300), (486, 8309), (490, 8321), (512, 8363), (519, 8384), (529, 8411), (556, 8519), (598, 8609), (627, 8714),

Gene: Blue7_15 Start: 7507, Stop: 9261, Start Num: 55

Candidate Starts for Blue7_15:

(Start: 55 @7507 has 222 MA's), (139, 7639), (164, 7738), (172, 7762), (180, 7789), (191, 7825), (212, 7900), (258, 8023), (262, 8038), (269, 8062), (295, 8131), (300, 8155), (301, 8158), (310, 8221), (316, 8245), (356, 8374), (357, 8377), (386, 8488), (438, 8650), (470, 8737), (476, 8749), (480, 8761), (507, 8809), (512, 8824), (523, 8863), (530, 8884), (551, 8968), (556, 8980), (642, 9217), (665, 9244), (666, 9247),

Gene: BlueBird_12 Start: 6496, Stop: 8193, Start Num: 54

Candidate Starts for BlueBird_12:

(Start: 54 @6496 has 363 MA's), (Start: 74 @6520 has 1 MA's), (102, 6568), (198, 6766), (212, 6829), (250, 6940), (258, 6952), (269, 6991), (278, 7003), (295, 7060), (300, 7084), (310, 7150), (313, 7159),

(336, 7240), (344, 7267), (380, 7405), (403, 7492), (411, 7525), (443, 7591), (470, 7666), (480, 7690), (481, 7693), (484, 7699), (488, 7708), (507, 7741), (512, 7756), (530, 7816), (556, 7912), (573, 7957), (577, 7966), (632, 8119), (642, 8149), (666, 8179), (668, 8182),

Gene: BlueCrab_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for BlueCrab_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Bluefalcon_8 Start: 6239, Stop: 8017, Start Num: 29

Candidate Starts for Bluefalcon_8:

(Start: 29 @6239 has 19 MA's), (Start: 32 @6266 has 30 MA's), (66, 6335), (135, 6449), (139, 6455), (191, 6587), (212, 6662), (214, 6665), (279, 6839), (287, 6863), (310, 6971), (324, 7016), (344, 7094), (346, 7100), (347, 7103), (388, 7265), (390, 7271), (397, 7298), (403, 7319), (470, 7493), (480, 7517), (481, 7520), (484, 7526), (512, 7580), (516, 7592), (523, 7619), (530, 7640), (544, 7694), (551, 7724), (556, 7736), (642, 7973), (668, 8006), (670, 8012),

Gene: Bob3_10 Start: 6561, Stop: 8249, Start Num: 54

Candidate Starts for Bob3_10:

(Start: 54 @6561 has 363 MA's), (198, 6825), (201, 6849), (258, 7011), (267, 7044), (295, 7119), (310, 7209), (316, 7233), (328, 7260), (338, 7308), (380, 7464), (395, 7524), (481, 7749), (486, 7758), (490, 7770), (512, 7812), (519, 7833), (529, 7860), (556, 7968), (598, 8058), (627, 8163),

Gene: BobSwaget_15 Start: 9121, Stop: 10902, Start Num: 55

Candidate Starts for BobSwaget_15:

(21, 9001), (40, 9094), (Start: 55 @9121 has 222 MA's), (139, 9253), (158, 9328), (164, 9352), (180, 9403), (256, 9634), (258, 9637), (269, 9676), (295, 9745), (310, 9835), (316, 9859), (346, 9958), (356, 9988), (357, 9991), (507, 10450), (512, 10465), (516, 10477), (523, 10504), (530, 10525), (556, 10621), (642, 10858), (665, 10885), (666, 10888),

Gene: BobaPhett_2 Start: 653, Stop: 2209, Start Num: 134

Candidate Starts for BobaPhett_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: BobbyDazzler_8 Start: 3413, Stop: 4909, Start Num: 169

Candidate Starts for BobbyDazzler_8:

(Start: 57 @3227 has 139 MA's), (Start: 169 @3413 has 2 MA's), (191, 3485), (198, 3497), (201, 3521), (205, 3533), (262, 3701), (287, 3761), (300, 3818), (301, 3821), (310, 3869), (378, 4124), (386, 4142), (397, 4196), (460, 4340), (470, 4382), (484, 4415), (516, 4484), (556, 4628), (573, 4673), (605, 4733), (630, 4832), (642, 4865), (665, 4892), (666, 4895), (668, 4898),

Gene: BodEinwohner17_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for BodEinwohner17_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: BogosyJay_13 Start: 7900, Stop: 9687, Start Num: 55

Candidate Starts for BogosyJay_13:

(Start: 55 @7900 has 222 MA's), (Start: 68 @7915 has 32 MA's), (139, 8032), (164, 8131), (212, 8293), (241, 8365), (258, 8419), (269, 8458), (295, 8530), (310, 8620), (316, 8644), (352, 8761), (357, 8776), (383, 8884), (402, 8959), (429, 9055), (448, 9091), (476, 9175), (484, 9196), (507, 9235), (523, 9289), (530, 9310), (551, 9394), (556, 9406), (599, 9499), (606, 9514), (642, 9643), (665, 9670), (666, 9673),

Gene: Bombshell_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Bombshell_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Bonamassa_9 Start: 6188, Stop: 7939, Start Num: 32

Candidate Starts for Bonamassa_9:

(Start: 29 @6161 has 19 MA's), (Start: 32 @6188 has 30 MA's), (66, 6257), (135, 6371), (139, 6377), (191, 6509), (212, 6584), (214, 6587), (230, 6620), (241, 6653), (279, 6761), (287, 6785), (295, 6818), (310, 6893), (324, 6938), (344, 7016), (346, 7022), (397, 7220), (403, 7241), (470, 7415), (480, 7439), (481, 7442), (512, 7502), (516, 7514), (523, 7541), (530, 7562), (551, 7646), (556, 7658), (642, 7895), (668, 7928), (670, 7934),

Gene: Bonanza_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Bonanza_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (262, 3630), (287, 3690), (300, 3747), (301, 3750), (310, 3798), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Bones_11 Start: 6756, Stop: 8444, Start Num: 54

Candidate Starts for Bones_11:

(Start: 54 @6756 has 363 MA's), (198, 7020), (201, 7044), (258, 7206), (267, 7239), (295, 7314), (310, 7404), (316, 7428), (338, 7503), (380, 7659), (383, 7668), (394, 7716), (395, 7719), (481, 7944), (486, 7953), (490, 7965), (512, 8007), (519, 8028), (529, 8055), (556, 8163), (598, 8253), (627, 8358),

Gene: Bonum_27 Start: 12526, Stop: 14256, Start Num: 82

Candidate Starts for Bonum_27:

(Start: 82 @12526 has 25 MA's), (Start: 86 @12532 has 6 MA's), (167, 12676), (183, 12727), (184, 12733), (192, 12760), (197, 12772), (202, 12802), (209, 12826), (212, 12844), (314, 13237), (322, 13264), (367, 13432), (371, 13444), (381, 13477), (408, 13555), (496, 13771), (502, 13801), (520, 13852), (532, 13900), (558, 13975), (562, 13987), (576, 14023), (627, 14161), (636, 14191),

Gene: Boohoo_14 Start: 6686, Stop: 8383, Start Num: 55

Candidate Starts for Boohoo_14:

(Start: 55 @6686 has 222 MA's), (71, 6704), (166, 6866), (212, 7022), (241, 7091), (258, 7145), (295, 7253), (301, 7280), (310, 7343), (316, 7367), (480, 7883), (512, 7946), (524, 7988), (556, 8102), (605, 8207), (642, 8339), (665, 8366), (666, 8369), (668, 8372),

Gene: Bovely_6 Start: 2408, Stop: 4054, Start Num: 53

Candidate Starts for Bovely_6:

(Start: 53 @2408 has 92 MA's), (Start: 68 @2426 has 32 MA's), (180, 2630), (204, 2711), (248, 2846), (259, 2867), (292, 2954), (304, 3026), (310, 3050), (339, 3149), (357, 3203), (392, 3302), (407, 3362), (476, 3524), (479, 3533), (516, 3623), (523, 3650), (545, 3728), (546, 3731), (556, 3770), (567, 3791), (569, 3797), (573, 3815), (616, 3911), (630, 3971),

Gene: Bowden_7 Start: 2249, Stop: 3895, Start Num: 53

Candidate Starts for Bowden_7:

(Start: 53 @2249 has 92 MA's), (198, 2519), (201, 2543), (204, 2552), (239, 2645), (243, 2660), (248, 2687), (259, 2708), (292, 2795), (304, 2867), (310, 2891), (339, 2990), (349, 3026), (378, 3131), (398, 3167), (407, 3203), (412, 3221), (469, 3350), (470, 3353), (476, 3365), (479, 3374), (482, 3383), (516, 3464), (523, 3491), (531, 3518), (546, 3572), (556, 3611), (567, 3632), (573, 3656), (583, 3680), (605, 3716), (630, 3812), (670, 3890),

Gene: Bowtie_12 Start: 8024, Stop: 9787, Start Num: 55

Candidate Starts for Bowtie_12:

(Start: 55 @8024 has 222 MA's), (Start: 72 @8045 has 5 MA's), (123, 8132), (164, 8261), (172, 8285), (191, 8348), (241, 8492), (256, 8543), (258, 8546), (295, 8657), (300, 8681), (301, 8684), (310, 8747), (313, 8756), (316, 8771), (352, 8888), (357, 8903), (368, 8963), (392, 9047), (476, 9275), (480, 9287), (507, 9335), (512, 9350), (523, 9389), (530, 9410), (540, 9449), (551, 9494), (556, 9506), (642, 9743), (665, 9770),

Gene: Bradissa_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for Bradissa_2:

(Start: 57 @485 has 139 MA's), (140, 623), (149, 650), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (238, 929), (239, 932), (247, 971), (258, 992), (281, 1052), (291, 1076), (303, 1148), (310, 1175), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (363, 1382), (371, 1415), (403, 1490), (447, 1589), (460, 1616), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (560, 1961), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (666, 2270), (668, 2273),

Gene: Bradman_11 Start: 6379, Stop: 8160, Start Num: 55

Candidate Starts for Bradman_11:

(Start: 55 @6379 has 222 MA's), (Start: 142 @6523 has 2 MA's), (155, 6568), (164, 6610), (172, 6634), (191, 6697), (207, 6751), (256, 6892), (258, 6895), (269, 6934), (295, 7003), (310, 7093), (316, 7117), (356, 7246), (357, 7249), (427, 7522), (523, 7762), (530, 7783), (551, 7867), (556, 7879), (642, 8116), (665, 8143), (666, 8146), (668, 8149),

Gene: Bradshaw_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Bradshaw_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (469, 4308), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Brataylor_7 Start: 2379, Stop: 4025, Start Num: 53

Candidate Starts for Brataylor_7:

(Start: 53 @2379 has 92 MA's), (Start: 68 @2397 has 32 MA's), (180, 2601), (191, 2637), (248, 2817), (259, 2838), (277, 2883), (292, 2925), (304, 2997), (310, 3021), (339, 3120), (344, 3135), (352, 3159), (354, 3165), (407, 3333), (470, 3483), (479, 3504), (484, 3516), (516, 3594), (546, 3702), (556, 3741), (567, 3762), (569, 3768), (573, 3786), (630, 3942),

Gene: Braxoaddie_28 Start: 14026, Stop: 15699, Start Num: 82

Candidate Starts for Braxoaddie_28:

(Start: 82 @14026 has 25 MA's), (167, 14170), (183, 14221), (197, 14266), (233, 14395), (241, 14416), (245, 14440), (255, 14467), (265, 14500), (289, 14566), (299, 14614), (314, 14677), (322, 14704), (367, 14872), (371, 14884), (408, 14995), (421, 15046), (471, 15145), (502, 15244), (507, 15256), (516, 15283), (520, 15295), (523, 15310), (544, 15385), (558, 15418), (571, 15451), (611, 15535), (616, 15556), (627, 15604), (663, 15679),

Gene: BreSam8_13 Start: 6950, Stop: 8650, Start Num: 57

Candidate Starts for BreSam8_13:

(Start: 57 @6950 has 139 MA's), (Start: 89 @6998 has 4 MA's), (166, 7133), (230, 7325), (258, 7412), (310, 7610), (336, 7700), (356, 7763), (395, 7925), (470, 8123), (480, 8147), (481, 8150), (512, 8213), (519, 8234), (530, 8273), (556, 8369), (577, 8423), (598, 8459), (642, 8606), (666, 8636), (668, 8639),

Gene: BritBrat_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for BritBrat_2:

(Start: 57 @485 has 139 MA's), (140, 623), (149, 650), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (281, 1052), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (361, 1376), (363, 1382), (366, 1400), (371, 1415), (447, 1589), (460, 1616), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (560, 1961), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (666, 2270), (668, 2273),

Gene: Briton15_13 Start: 7067, Stop: 8755, Start Num: 54

Candidate Starts for Briton15_13:

(Start: 54 @7067 has 363 MA's), (198, 7331), (201, 7355), (258, 7517), (267, 7550), (295, 7625), (310, 7715), (316, 7739), (338, 7814), (360, 7883), (380, 7970), (383, 7979), (395, 8030), (486, 8264), (490, 8276), (512, 8318), (519, 8339), (529, 8366), (556, 8474), (598, 8564), (627, 8669),

Gene: Brocalys_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Brocalys_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (358, 1346), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Broseidon_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Broseidon_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Bruiser_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Bruiser_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Bruns_10 Start: 6924, Stop: 8612, Start Num: 61

Candidate Starts for Bruns_10:

(Start: 61 @6924 has 24 MA's), (Start: 169 @7104 has 2 MA's), (198, 7188), (202, 7215), (205, 7224), (258, 7374), (267, 7407), (295, 7482), (310, 7572), (316, 7596), (328, 7623), (338, 7671), (380, 7827), (395, 7887), (486, 8121), (490, 8133), (512, 8175), (519, 8196), (529, 8223), (556, 8331), (598, 8421), (627, 8526),

Gene: BrutonGaster_18 Start: 5409, Stop: 7157, Start Num: 95

Candidate Starts for BrutonGaster_18:

(Start: 95 @5409 has 23 MA's), (112, 5439), (164, 5529), (177, 5568), (233, 5793), (239, 5808), (242, 5817), (256, 5865), (264, 5892), (327, 6114), (330, 6132), (366, 6282), (393, 6342), (394, 6345), (398, 6357), (470, 6606), (473, 6612), (515, 6717), (516, 6720), (523, 6747), (537, 6789), (555, 6864), (569, 6900), (577, 6924), (646, 7113), (653, 7119),

Gene: BryanRecycles_7 Start: 2562, Stop: 4208, Start Num: 53

Candidate Starts for BryanRecycles_7:

(Start: 53 @2562 has 92 MA's), (Start: 68 @2580 has 32 MA's), (180, 2784), (204, 2865), (248, 3000), (259, 3021), (277, 3066), (292, 3108), (304, 3180), (310, 3204), (336, 3291), (339, 3303), (357, 3357), (392, 3456), (407, 3516), (476, 3678), (479, 3687), (516, 3777), (528, 3810), (545, 3882), (546, 3885), (556, 3924), (567, 3945), (569, 3951), (573, 3969), (616, 4065), (630, 4125),

Gene: Bryce_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Bryce_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (262, 3630), (287, 3690), (300, 3747), (301, 3750), (310, 3798), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: BubbleTrouble_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for BubbleTrouble_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Bubbles123_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Bubbles123_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796),

(523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Bud_12 Start: 8030, Stop: 9793, Start Num: 55

Candidate Starts for Bud_12:

(Start: 55 @8030 has 222 MA's), (Start: 72 @8051 has 5 MA's), (123, 8138), (164, 8267), (172, 8291), (191, 8354), (241, 8498), (256, 8549), (258, 8552), (295, 8663), (300, 8687), (301, 8690), (310, 8753), (313, 8762), (316, 8777), (352, 8894), (357, 8909), (368, 8969), (392, 9053), (476, 9281), (480, 9293), (507, 9341), (512, 9356), (523, 9395), (530, 9416), (540, 9455), (551, 9500), (556, 9512), (642, 9749), (665, 9776),

Gene: Bugatti_11 Start: 6496, Stop: 8193, Start Num: 54

Candidate Starts for Bugatti_11:

(Start: 54 @6496 has 363 MA's), (Start: 74 @6520 has 1 MA's), (102, 6568), (198, 6766), (212, 6829), (250, 6940), (258, 6952), (269, 6991), (278, 7003), (295, 7060), (300, 7084), (310, 7150), (313, 7159), (336, 7240), (344, 7267), (380, 7405), (403, 7492), (411, 7525), (443, 7591), (470, 7666), (480, 7690), (481, 7693), (484, 7699), (488, 7708), (507, 7741), (512, 7756), (530, 7816), (556, 7912), (573, 7957), (577, 7966), (632, 8119), (642, 8149), (666, 8179), (668, 8182),

Gene: Buggaboo_25 Start: 12984, Stop: 14714, Start Num: 82

Candidate Starts for Buggaboo_25:

(Start: 82 @12984 has 25 MA's), (Start: 86 @12990 has 6 MA's), (167, 13134), (183, 13185), (184, 13191), (192, 13218), (197, 13230), (202, 13260), (209, 13284), (212, 13302), (314, 13695), (322, 13722), (367, 13890), (371, 13902), (381, 13935), (408, 14013), (496, 14229), (502, 14259), (520, 14310), (532, 14358), (558, 14433), (562, 14445), (576, 14481), (627, 14619), (636, 14649),

Gene: Buggy_14 Start: 7887, Stop: 9674, Start Num: 55

Candidate Starts for Buggy_14:

(Start: 55 @7887 has 222 MA's), (123, 7995), (133, 8016), (155, 8082), (156, 8088), (164, 8124), (172, 8148), (191, 8211), (256, 8406), (258, 8409), (295, 8517), (310, 8607), (316, 8631), (338, 8706), (352, 8748), (357, 8763), (439, 9063), (516, 9249), (523, 9276), (530, 9297), (556, 9393), (642, 9630), (666, 9660),

Gene: Bumblebee11_11 Start: 6893, Stop: 8590, Start Num: 54

Candidate Starts for Bumblebee11_11:

(Start: 54 @6893 has 363 MA's), (Start: 74 @6917 has 1 MA's), (198, 7163), (231, 7268), (256, 7346), (258, 7349), (269, 7388), (295, 7457), (300, 7481), (310, 7547), (336, 7637), (380, 7802), (392, 7847), (403, 7889), (411, 7922), (443, 7988), (469, 8060), (470, 8063), (480, 8087), (512, 8153), (523, 8192), (530, 8213), (556, 8309), (641, 8543), (642, 8546), (666, 8576), (668, 8579),

Gene: Burger_10 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Burger_10:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Burnsey_4 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for Burnsey_4:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (Start: 142 @1188 has 2 MA's), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (384, 1977), (390,

2010), (403, 2058), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (519, 2358), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: Burton_12 Start: 7124, Stop: 8812, Start Num: 61

Candidate Starts for Burton_12:

(Start: 61 @7124 has 24 MA's), (166, 7295), (Start: 169 @7304 has 2 MA's), (198, 7388), (202, 7415), (205, 7424), (258, 7574), (267, 7607), (295, 7682), (310, 7772), (316, 7796), (328, 7823), (338, 7871), (380, 8027), (395, 8087), (481, 8312), (486, 8321), (490, 8333), (512, 8375), (519, 8396), (529, 8423), (556, 8531), (598, 8621), (627, 8726),

Gene: Burwell21_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Burwell21_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 121 @628 has 1 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (209, 850), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (260, 997), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (449, 1597), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Button_5 Start: 1178, Stop: 2878, Start Num: 100

Candidate Starts for Button_5:

(Start: 100 @1178 has 9 MA's), (Start: 132 @1232 has 1 MA's), (141, 1253), (152, 1280), (182, 1355), (191, 1391), (214, 1469), (243, 1553), (245, 1568), (258, 1598), (273, 1649), (302, 1748), (327, 1838), (349, 1928), (363, 1982), (384, 2057), (411, 2171), (416, 2195), (459, 2261), (469, 2318), (470, 2321), (473, 2327), (476, 2333), (506, 2399), (512, 2417), (537, 2498), (538, 2504), (546, 2537), (567, 2594), (591, 2642), (629, 2771), (630, 2774), (666, 2864), (668, 2867),

Gene: Buttons_12 Start: 7194, Stop: 8882, Start Num: 54

Candidate Starts for Buttons_12:

(Start: 54 @7194 has 363 MA's), (Start: 169 @7374 has 2 MA's), (198, 7458), (205, 7494), (212, 7521), (258, 7644), (267, 7677), (295, 7752), (310, 7842), (316, 7866), (328, 7893), (338, 7941), (380, 8097), (395, 8157), (481, 8382), (486, 8391), (490, 8403), (512, 8445), (519, 8466), (529, 8493), (556, 8601), (598, 8691), (627, 8796),

Gene: Buttrmlkdreams_4 Start: 1111, Stop: 2790, Start Num: 103

Candidate Starts for Buttrmlkdreams_4:

(Start: 103 @1111 has 70 MA's), (Start: 132 @1162 has 1 MA's), (141, 1183), (165, 1222), (191, 1309), (204, 1354), (210, 1375), (212, 1384), (239, 1456), (252, 1507), (258, 1516), (273, 1567), (302, 1666), (304, 1687), (313, 1720), (327, 1756), (363, 1900), (373, 1936), (384, 1975), (390, 2008), (403, 2056), (416, 2113), (442, 2146), (459, 2179), (473, 2245), (476, 2251), (506, 2317), (510, 2329), (537, 2416), (567, 2512), (591, 2560), (618, 2635), (637, 2716), (666, 2776), (668, 2779),

Gene: BuzzBuzz_12 Start: 7041, Stop: 8741, Start Num: 57

Candidate Starts for BuzzBuzz_12:

(Start: 57 @7041 has 139 MA's), (Start: 89 @7089 has 4 MA's), (166, 7224), (230, 7416), (258, 7503), (310, 7701), (336, 7791), (356, 7854), (395, 8016), (470, 8214), (480, 8238), (481, 8241), (512, 8304), (519, 8325), (530, 8364), (556, 8460), (577, 8514), (598, 8550), (642, 8697), (666, 8727), (668, 8730),

Gene: Bxb1_10 Start: 7031, Stop: 8719, Start Num: 54

Candidate Starts for Bxb1_10:

(Start: 54 @7031 has 363 MA's), (198, 7295), (201, 7319), (258, 7481), (267, 7514), (295, 7589), (310, 7679), (316, 7703), (363, 7871), (394, 7991), (395, 7994), (470, 8192), (481, 8219), (515, 8291), (519, 8303), (524, 8324), (540, 8381), (556, 8438), (598, 8528), (599, 8531), (630, 8642), (632, 8645), (642, 8675), (666, 8705), (668, 8708),

Gene: Bxz2_13 Start: 7051, Stop: 8751, Start Num: 57

Candidate Starts for Bxz2_13:

(Start: 57 @7051 has 139 MA's), (Start: 89 @7099 has 4 MA's), (166, 7234), (230, 7426), (258, 7513), (310, 7711), (336, 7801), (356, 7864), (395, 8026), (470, 8224), (480, 8248), (481, 8251), (512, 8314), (519, 8335), (530, 8374), (556, 8470), (577, 8524), (598, 8560), (642, 8707), (666, 8737), (668, 8740),

Gene: ByChance_2 Start: 573, Stop: 2210, Start Num: 88

Candidate Starts for ByChance_2:

(Start: 88 @573 has 156 MA's), (91, 582), (Start: 101 @597 has 3 MA's), (Start: 114 @618 has 1 MA's), (Start: 134 @654 has 2 MA's), (136, 657), (143, 675), (168, 720), (184, 759), (208, 846), (224, 906), (238, 930), (241, 939), (242, 942), (245, 963), (251, 984), (260, 999), (276, 1056), (292, 1095), (303, 1164), (306, 1170), (314, 1200), (315, 1203), (316, 1212), (322, 1227), (328, 1245), (339, 1296), (365, 1389), (367, 1398), (422, 1569), (435, 1581), (470, 1665), (483, 1695), (485, 1698), (487, 1701), (512, 1758), (517, 1773), (519, 1779), (520, 1782), (523, 1797), (529, 1806), (538, 1845), (545, 1875), (554, 1905), (558, 1914), (571, 1947), (583, 1980), (597, 2007), (611, 2040), (619, 2070), (623, 2091), (627, 2115), (630, 2124), (632, 2127), (660, 2184),

Gene: Byougenkin_2 Start: 629, Stop: 2209, Start Num: 121

Candidate Starts for Byougenkin_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (358, 1346), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (577, 1964), (583, 1979), (597, 2006), (611, 2039), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: C3_10 Start: 7374, Stop: 9164, Start Num: 55

Candidate Starts for C3_10:

(Start: 29 @7296 has 19 MA's), (41, 7347), (Start: 55 @7374 has 222 MA's), (123, 7482), (133, 7503), (155, 7569), (164, 7611), (172, 7635), (212, 7773), (256, 7893), (258, 7896), (295, 8007), (310, 8097), (316, 8121), (336, 8187), (347, 8223), (356, 8250), (357, 8253), (439, 8553), (470, 8640), (484, 8673), (516, 8739), (523, 8766), (530, 8787), (551, 8871), (556, 8883), (599, 8976), (606, 8991), (642, 9120), (665, 9147), (666, 9150),

Gene: CRB1_12 Start: 7407, Stop: 9194, Start Num: 55

Candidate Starts for CRB1_12:

(Start: 55 @7407 has 222 MA's), (123, 7515), (133, 7536), (161, 7626), (164, 7644), (191, 7731), (207, 7785), (241, 7875), (256, 7926), (258, 7929), (295, 8037), (310, 8127), (316, 8151), (352, 8268), (357, 8283), (439, 8583), (516, 8769), (523, 8796), (530, 8817), (556, 8913), (642, 9150), (666, 9180),

Gene: Cabrinians_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Cabrinians_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226),

(328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: CactusRose_10 Start: 6744, Stop: 8432, Start Num: 54

Candidate Starts for CactusRose_10:

(Start: 54 @6744 has 363 MA's), (Start: 169 @6924 has 2 MA's), (198, 7008), (205, 7044), (212, 7071), (258, 7194), (295, 7302), (310, 7392), (316, 7416), (338, 7491), (360, 7560), (380, 7647), (395, 7707), (481, 7932), (486, 7941), (490, 7953), (512, 7995), (519, 8016), (529, 8043), (556, 8151), (598, 8241), (627, 8346),

Gene: Caelakin_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Caelakin_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Caelum_7 Start: 2093, Stop: 3742, Start Num: 53

Candidate Starts for Caelum_7:

(Start: 53 @2093 has 92 MA's), (108, 2180), (112, 2192), (180, 2318), (198, 2366), (204, 2399), (207, 2408), (239, 2492), (241, 2498), (243, 2507), (248, 2534), (259, 2555), (283, 2615), (292, 2642), (304, 2714), (310, 2738), (339, 2837), (349, 2873), (357, 2891), (397, 3011), (398, 3014), (407, 3050), (412, 3068), (479, 3221), (484, 3233), (507, 3284), (516, 3311), (546, 3419), (556, 3458), (567, 3479), (573, 3503), (629, 3656), (630, 3659), (670, 3737),

Gene: Caliburn_6 Start: 2382, Stop: 4028, Start Num: 53

Candidate Starts for Caliburn_6:

(Start: 53 @2382 has 92 MA's), (Start: 68 @2400 has 32 MA's), (180, 2604), (204, 2685), (248, 2820), (259, 2841), (292, 2928), (304, 3000), (310, 3024), (339, 3123), (357, 3177), (392, 3276), (407, 3336), (476, 3498), (479, 3507), (516, 3597), (523, 3624), (545, 3702), (546, 3705), (556, 3744), (567, 3765), (569, 3771), (573, 3789), (616, 3885), (630, 3945),

Gene: Calvinny_14 Start: 7029, Stop: 8729, Start Num: 57

Candidate Starts for Calvinny_14:

(Start: 57 @7029 has 139 MA's), (Start: 89 @7077 has 4 MA's), (Start: 132 @7149 has 1 MA's), (166, 7212), (258, 7491), (310, 7689), (336, 7779), (356, 7842), (395, 8004), (470, 8202), (480, 8226), (481, 8229), (512, 8292), (516, 8304), (519, 8313), (523, 8331), (530, 8352), (556, 8448), (577, 8502), (598, 8538), (642, 8685), (666, 8715), (668, 8718),

Gene: Camperdownii_10 Start: 6501, Stop: 8198, Start Num: 54

Candidate Starts for Camperdownii_10:

(Start: 54 @6501 has 363 MA's), (Start: 74 @6525 has 1 MA's), (Start: 142 @6648 has 2 MA's), (185, 6738), (198, 6771), (230, 6870), (256, 6954), (258, 6957), (269, 6996), (295, 7065), (300, 7089), (310, 7155), (336, 7245), (380, 7410), (403, 7497), (411, 7530), (443, 7596), (469, 7668), (470, 7671), (480, 7695), (507, 7746), (512, 7761), (530, 7821), (556, 7917), (583, 7986), (641, 8151), (642, 8154), (666, 8184), (668, 8187),

Gene: Candra_15 Start: 7566, Stop: 9320, Start Num: 55

Candidate Starts for Candra_15:

(Start: 55 @7566 has 222 MA's), (164, 7797), (180, 7848), (191, 7884), (212, 7959), (258, 8082), (269, 8121), (295, 8190), (300, 8214), (301, 8217), (310, 8280), (316, 8304), (346, 8403), (347, 8406), (356, 8433), (357, 8436), (443, 8721), (476, 8808), (480, 8820), (512, 8883), (523, 8922), (530, 8943), (551, 9027), (556, 9039), (642, 9276), (665, 9303), (666, 9306),

Gene: CanesSauce_4 Start: 1120, Stop: 2799, Start Num: 103

Candidate Starts for CanesSauce_4:

(Start: 103 @1120 has 70 MA's), (Start: 132 @1171 has 1 MA's), (141, 1192), (Start: 142 @1195 has 2 MA's), (167, 1237), (187, 1303), (204, 1363), (210, 1384), (212, 1393), (243, 1480), (252, 1516), (258, 1525), (273, 1576), (302, 1675), (313, 1729), (327, 1765), (363, 1909), (373, 1945), (384, 1984), (419, 2131), (442, 2155), (473, 2254), (510, 2338), (537, 2425), (567, 2521), (591, 2569), (599, 2593), (618, 2644), (637, 2725), (666, 2785), (668, 2788),

Gene: Cappuccino_2 Start: 593, Stop: 2281, Start Num: 79

Candidate Starts for Cappuccino_2:

(Start: 79 @593 has 10 MA's), (187, 794), (235, 938), (243, 962), (258, 1007), (291, 1094), (302, 1148), (309, 1187), (346, 1322), (371, 1424), (412, 1535), (457, 1646), (470, 1697), (556, 1952), (563, 1967), (630, 2192), (634, 2204), (638, 2219),

Gene: Caprice_32 Start: 10508, Stop: 12250, Start Num: 103

Candidate Starts for Caprice_32:

(Start: 103 @10508 has 70 MA's), (166, 10625), (180, 10670), (195, 10736), (196, 10751), (201, 10784), (202, 10787), (207, 10802), (214, 10826), (216, 10829), (230, 10859), (236, 10880), (239, 10898), (242, 10907), (249, 10943), (258, 10958), (273, 11003), (292, 11045), (298, 11084), (302, 11096), (304, 11117), (317, 11168), (328, 11189), (390, 11411), (416, 11516), (419, 11525), (450, 11558), (459, 11579), (460, 11582), (465, 11609), (470, 11639), (476, 11651), (481, 11666), (486, 11675), (488, 11681), (506, 11723), (508, 11732), (514, 11747), (519, 11762), (537, 11822), (544, 11861), (552, 11894), (567, 11924), (568, 11927), (590, 12011), (605, 12065), (610, 12080), (619, 12107), (630, 12161), (665, 12233), (666, 12236),

Gene: CaptainTrips_3 Start: 1235, Stop: 2872, Start Num: 88

Candidate Starts for CaptainTrips_3:

(Start: 88 @1235 has 156 MA's), (94, 1250), (Start: 101 @1259 has 3 MA's), (Start: 105 @1265 has 1 MA's), (Start: 121 @1292 has 1 MA's), (Start: 134 @1316 has 2 MA's), (136, 1319), (168, 1382), (174, 1400), (184, 1421), (208, 1508), (209, 1514), (224, 1568), (233, 1580), (238, 1592), (241, 1601), (242, 1604), (245, 1625), (251, 1646), (260, 1661), (276, 1718), (292, 1757), (303, 1826), (306, 1832), (314, 1862), (315, 1865), (316, 1874), (322, 1889), (328, 1907), (339, 1958), (367, 2060), (422, 2231), (435, 2243), (449, 2261), (470, 2327), (483, 2357), (485, 2360), (487, 2363), (512, 2420), (517, 2435), (519, 2441), (520, 2444), (523, 2459), (529, 2468), (545, 2537), (554, 2567), (558, 2576), (571, 2609), (583, 2642), (597, 2669), (611, 2702), (618, 2729), (619, 2732), (623, 2753), (627, 2777), (630, 2786), (632, 2789), (660, 2846),

Gene: Caraxes_11 Start: 6158, Stop: 7942, Start Num: 55

Candidate Starts for Caraxes_11:

(Start: 55 @6158 has 222 MA's), (164, 6389), (191, 6476), (243, 6629), (256, 6671), (258, 6674), (295, 6785), (300, 6809), (301, 6812), (310, 6875), (316, 6899), (357, 7031), (484, 7451), (523, 7544), (530, 7565), (551, 7649), (556, 7661), (606, 7769), (642, 7898), (665, 7925), (666, 7928),

Gene: Cardigan_30 Start: 10698, Stop: 12416, Start Num: 95

Candidate Starts for Cardigan_30:

(Start: 95 @10698 has 23 MA's), (119, 10734), (168, 10830), (225, 11043), (230, 11070), (233, 11082), (242, 11106), (280, 11220), (330, 11415), (343, 11463), (366, 11565), (393, 11625), (398, 11640), (508, 11964), (516, 11985), (523, 12012), (544, 12087), (555, 12129), (629, 12330), (640, 12363),

Gene: Carlyle_13 Start: 7592, Stop: 9280, Start Num: 54

Candidate Starts for Carlyle_13:

(Start: 54 @7592 has 363 MA's), (198, 7856), (201, 7880), (258, 8042), (267, 8075), (295, 8150), (310, 8240), (316, 8264), (328, 8291), (338, 8339), (380, 8495), (395, 8555), (481, 8780), (486, 8789), (490, 8801), (512, 8843), (519, 8864), (529, 8891), (556, 8999), (598, 9089), (627, 9194),

Gene: Caron_2 Start: 631, Stop: 2349, Start Num: 68

Candidate Starts for Caron_2:

(Start: 68 @631 has 32 MA's), (167, 781), (235, 1003), (248, 1054), (258, 1072), (302, 1222), (438, 1678), (457, 1717), (507, 1852), (556, 2023), (563, 2038), (589, 2125), (616, 2203), (634, 2275),

Gene: Carsonalex_5 Start: 1170, Stop: 2849, Start Num: 103

Candidate Starts for Carsonalex_5:

(Start: 103 @1170 has 70 MA's), (Start: 132 @1221 has 1 MA's), (141, 1242), (167, 1287), (191, 1368), (210, 1434), (212, 1443), (239, 1515), (243, 1530), (252, 1566), (258, 1575), (273, 1626), (302, 1725), (313, 1779), (327, 1815), (363, 1959), (373, 1995), (384, 2034), (390, 2067), (411, 2148), (416, 2172), (442, 2205), (459, 2238), (469, 2295), (473, 2304), (510, 2388), (537, 2475), (567, 2571), (599, 2643), (605, 2655), (637, 2775), (666, 2835), (668, 2838),

Gene: Cashline_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for Cashline_2:

(Start: 57 @485 has 139 MA's), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (361, 1376), (363, 1382), (371, 1415), (447, 1589), (460, 1616), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (641, 2225), (666, 2270), (668, 2273),

Gene: Cassia_2 Start: 547, Stop: 2244, Start Num: 75

Candidate Starts for Cassia_2:

(Start: 75 @547 has 41 MA's), (Start: 132 @634 has 1 MA's), (240, 919), (258, 976), (269, 1018), (302, 1114), (313, 1168), (346, 1288), (367, 1378), (390, 1417), (440, 1576), (470, 1663), (516, 1774), (537, 1843), (556, 1918), (563, 1933), (605, 2059), (626, 2143), (634, 2167),

Gene: Catalina_13 Start: 8125, Stop: 9897, Start Num: 68

Candidate Starts for Catalina_13:

(Start: 55 @8110 has 222 MA's), (Start: 68 @8125 has 32 MA's), (Start: 72 @8131 has 5 MA's), (139, 8242), (164, 8341), (212, 8503), (241, 8575), (258, 8629), (269, 8668), (295, 8740), (310, 8830), (316, 8854), (352, 8971), (357, 8986), (383, 9094), (402, 9169), (411, 9205), (429, 9265), (476, 9385), (484, 9406), (507, 9445), (523, 9499), (524, 9502), (530, 9520), (544, 9574), (551, 9604), (556, 9616), (598, 9706), (606, 9724), (642, 9853), (665, 9880), (666, 9883),

Gene: Caviar_12 Start: 7044, Stop: 8741, Start Num: 54

Candidate Starts for Caviar_12:

(Start: 54 @7044 has 363 MA's), (Start: 74 @7068 has 1 MA's), (198, 7314), (250, 7488), (258, 7500), (269, 7539), (278, 7551), (295, 7608), (300, 7632), (310, 7698), (313, 7707), (336, 7788), (346, 7821), (380, 7953), (386, 7965), (397, 8019), (403, 8040), (411, 8073), (438, 8127), (470, 8214), (480, 8238), (481, 8241), (484, 8247), (488, 8256), (512, 8304), (523, 8343), (524, 8346), (530, 8364), (556, 8460), (577, 8514), (632, 8667), (642, 8697), (666, 8727), (668, 8730),

Gene: Celery_8 Start: 2487, Stop: 4133, Start Num: 53

Candidate Starts for Celery_8:

(Start: 50 @2478 has 1 MA's), (Start: 53 @2487 has 92 MA's), (Start: 54 @2490 has 363 MA's), (Start: 68 @2505 has 32 MA's), (180, 2709), (204, 2790), (239, 2883), (243, 2898), (248, 2925), (252, 2934), (259, 2946), (292, 3033), (310, 3129), (339, 3228), (392, 3381), (397, 3402), (407, 3441), (470, 3591), (473, 3597), (479, 3612), (507, 3675), (523, 3729), (524, 3732), (556, 3849), (569, 3876), (573, 3894), (596, 3936), (630, 4050),

Gene: Celeste_6 Start: 2378, Stop: 4024, Start Num: 53

Candidate Starts for Celeste_6:

(Start: 53 @2378 has 92 MA's), (Start: 68 @2396 has 32 MA's), (180, 2600), (191, 2636), (248, 2816), (259, 2837), (277, 2882), (292, 2924), (304, 2996), (310, 3020), (339, 3119), (344, 3134), (352, 3158), (354, 3164), (407, 3332), (470, 3482), (479, 3503), (484, 3515), (516, 3593), (546, 3701), (556, 3740), (567, 3761), (569, 3767), (573, 3785), (630, 3941),

Gene: Celia_6 Start: 2655, Stop: 4316, Start Num: 53

Candidate Starts for Celia_6:

(Start: 53 @2655 has 92 MA's), (159, 2838), (175, 2874), (231, 3045), (248, 3108), (269, 3165), (292, 3216), (304, 3288), (310, 3312), (319, 3345), (331, 3381), (339, 3411), (346, 3432), (368, 3525), (392, 3564), (398, 3588), (407, 3624), (431, 3684), (470, 3774), (479, 3795), (488, 3816), (524, 3915), (556, 4032), (573, 4077),

Gene: Cen1621_2 Start: 604, Stop: 2328, Start Num: 68

Candidate Starts for Cen1621_2:

(Start: 68 @604 has 32 MA's), (191, 841), (220, 943), (231, 964), (235, 976), (248, 1027), (258, 1045), (302, 1195), (470, 1744), (507, 1828), (512, 1843), (523, 1882), (546, 1963), (556, 1999), (563, 2014), (583, 2068), (616, 2179), (630, 2239), (634, 2251),

Gene: Centaur_14 Start: 7923, Stop: 9710, Start Num: 55

Candidate Starts for Centaur_14:

(10, 7737), (27, 7839), (Start: 55 @7923 has 222 MA's), (123, 8031), (133, 8052), (164, 8160), (241, 8391), (256, 8442), (258, 8445), (295, 8553), (310, 8643), (316, 8667), (357, 8799), (470, 9186), (523, 9312), (530, 9333), (551, 9417), (556, 9429), (642, 9666), (665, 9693), (666, 9696), (668, 9699), (669, 9702),

Gene: CentreCat_11 Start: 6885, Stop: 8582, Start Num: 54

Candidate Starts for CentreCat_11:

(Start: 54 @6885 has 363 MA's), (Start: 74 @6909 has 1 MA's), (Start: 142 @7032 has 2 MA's), (185, 7122), (198, 7155), (230, 7254), (256, 7338), (258, 7341), (269, 7380), (295, 7449), (300, 7473), (310, 7539), (336, 7629), (380, 7794), (403, 7881), (411, 7914), (443, 7980), (469, 8052), (470, 8055), (480, 8079), (507, 8130), (512, 8145), (523, 8184), (530, 8205), (556, 8301), (642, 8538), (666, 8568), (668, 8571),

Gene: Cerulean_11 Start: 6862, Stop: 8559, Start Num: 54

Candidate Starts for Cerulean_11:

(Start: 54 @6862 has 363 MA's), (Start: 74 @6886 has 1 MA's), (Start: 142 @7009 has 2 MA's), (185, 7099), (198, 7132), (256, 7315), (258, 7318), (269, 7357), (295, 7426), (300, 7450), (310, 7516), (336, 7606), (380, 7771), (403, 7858), (411, 7891), (443, 7957), (469, 8029), (470, 8032), (480, 8056), (507, 8107), (512, 8122), (523, 8161), (530, 8182), (556, 8278), (642, 8515), (666, 8545), (668, 8548),

Gene: Chadwick_10 Start: 5983, Stop: 7734, Start Num: 32

Candidate Starts for Chadwick_10:

(Start: 29 @5956 has 19 MA's), (Start: 32 @5983 has 30 MA's), (58, 6043), (66, 6052), (Start: 90 @6091 has 1 MA's), (139, 6172), (191, 6304), (212, 6379), (214, 6382), (279, 6556), (310, 6688), (324, 6733), (344, 6811), (346, 6817), (388, 6982), (397, 7015), (403, 7036), (470, 7210), (480, 7234), (523,

7336), (530, 7357), (544, 7411), (551, 7441), (556, 7453), (577, 7507), (641, 7687), (642, 7690), (668, 7723), (670, 7729),

Gene: ChampagnePapi_11 Start: 6861, Stop: 8558, Start Num: 54

Candidate Starts for ChampagnePapi_11:

(Start: 54 @6861 has 363 MA's), (Start: 74 @6885 has 1 MA's), (Start: 142 @7008 has 2 MA's), (185, 7098), (198, 7131), (256, 7314), (258, 7317), (269, 7356), (295, 7425), (300, 7449), (310, 7515), (336, 7605), (380, 7770), (403, 7857), (411, 7890), (443, 7956), (469, 8028), (470, 8031), (480, 8055), (507, 8106), (512, 8121), (523, 8160), (530, 8181), (556, 8277), (642, 8514), (666, 8544), (668, 8547),

Gene: Chanagan_10 Start: 6588, Stop: 8276, Start Num: 54

Candidate Starts for Chanagan_10:

(Start: 54 @6588 has 363 MA's), (Start: 169 @6768 has 2 MA's), (198, 6852), (205, 6888), (212, 6915), (258, 7038), (267, 7071), (295, 7146), (310, 7236), (316, 7260), (328, 7287), (338, 7335), (360, 7404), (376, 7479), (380, 7491), (395, 7551), (481, 7776), (486, 7785), (490, 7797), (512, 7839), (519, 7860), (529, 7887), (556, 7995), (598, 8085), (627, 8190),

Gene: Changeling_15 Start: 9284, Stop: 11071, Start Num: 55

Candidate Starts for Changeling_15:

(12, 9110), (27, 9200), (Start: 55 @9284 has 222 MA's), (123, 9392), (133, 9413), (164, 9521), (172, 9545), (180, 9572), (191, 9608), (256, 9803), (258, 9806), (269, 9845), (295, 9914), (310, 10004), (316, 10028), (357, 10160), (470, 10547), (516, 10646), (523, 10673), (530, 10694), (551, 10778), (556, 10790), (642, 11027), (665, 11054), (666, 11057), (668, 11060), (669, 11063),

Gene: Chaph_11 Start: 6893, Stop: 8590, Start Num: 54

Candidate Starts for Chaph_11:

(Start: 54 @6893 has 363 MA's), (Start: 74 @6917 has 1 MA's), (Start: 142 @7040 has 2 MA's), (185, 7130), (198, 7163), (230, 7262), (256, 7346), (258, 7349), (269, 7388), (295, 7457), (300, 7481), (310, 7547), (336, 7637), (380, 7802), (403, 7889), (411, 7922), (443, 7988), (469, 8060), (470, 8063), (480, 8087), (507, 8138), (512, 8153), (523, 8192), (530, 8213), (556, 8309), (642, 8546), (666, 8576), (668, 8579),

Gene: Chargerpower_12 Start: 6588, Stop: 8372, Start Num: 55

Candidate Starts for Chargerpower_12:

(Start: 55 @6588 has 222 MA's), (126, 6696), (139, 6720), (154, 6774), (157, 6786), (158, 6795), (164, 6819), (205, 6954), (241, 7050), (256, 7101), (258, 7104), (295, 7215), (300, 7239), (310, 7305), (316, 7329), (336, 7395), (346, 7428), (352, 7446), (357, 7461), (383, 7569), (411, 7680), (507, 7920), (512, 7935), (516, 7947), (523, 7974), (556, 8091), (642, 8328), (665, 8355), (666, 8358),

Gene: Charm_12 Start: 6308, Stop: 8080, Start Num: 68

Candidate Starts for Charm_12:

(Start: 55 @6296 has 222 MA's), (Start: 68 @6308 has 32 MA's), (139, 6425), (164, 6524), (209, 6674), (212, 6686), (241, 6758), (258, 6812), (269, 6851), (295, 6923), (307, 6995), (310, 7013), (316, 7037), (352, 7154), (357, 7169), (383, 7277), (402, 7352), (429, 7448), (484, 7589), (507, 7628), (523, 7682), (524, 7685), (530, 7703), (544, 7757), (551, 7787), (556, 7799), (598, 7889), (606, 7907), (642, 8036), (665, 8063), (666, 8066),

Gene: Chartreuse_15 Start: 7480, Stop: 9234, Start Num: 55

Candidate Starts for Chartreuse_15:

(Start: 55 @7480 has 222 MA's), (164, 7711), (180, 7762), (191, 7798), (212, 7873), (258, 7996), (269, 8035), (295, 8104), (300, 8128), (301, 8131), (310, 8194), (316, 8218), (346, 8317), (347, 8320), (356, 8347), (357, 8350), (443, 8635), (476, 8722), (480, 8734), (512, 8797), (523, 8836), (530, 8857), (551, 8941), (556, 8953), (642, 9190), (665, 9217), (666, 9220),

Gene: Che12_13 Start: 6255, Stop: 8039, Start Num: 55

Candidate Starts for Che12_13:

(Start: 55 @6255 has 222 MA's), (164, 6486), (191, 6573), (243, 6726), (256, 6768), (258, 6771), (295, 6882), (300, 6906), (301, 6909), (310, 6972), (316, 6996), (523, 7641), (530, 7662), (551, 7746), (556, 7758), (606, 7866), (642, 7995), (665, 8022), (666, 8025),

Gene: Che8_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Che8_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 121 @628 has 1 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (260, 997), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (358, 1345), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (449, 1597), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (571, 1945), (577, 1963), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Cheesepuff_2 Start: 653, Stop: 2209, Start Num: 134

Candidate Starts for Cheesepuff_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183), (663, 2189),

Gene: CherryonLim_5 Start: 1648, Stop: 3324, Start Num: 103

Candidate Starts for CherryonLim_5:

(Start: 103 @1648 has 70 MA's), (Start: 132 @1699 has 1 MA's), (141, 1720), (167, 1765), (191, 1843), (210, 1909), (235, 1972), (243, 2005), (252, 2041), (258, 2050), (259, 2053), (267, 2086), (273, 2101), (281, 2119), (302, 2200), (304, 2221), (314, 2257), (319, 2278), (331, 2314), (349, 2380), (363, 2434), (409, 2614), (416, 2647), (459, 2713), (460, 2716), (473, 2779), (476, 2785), (537, 2950), (544, 2983), (569, 3052), (605, 3130), (606, 3133), (629, 3223), (632, 3229), (637, 3250), (666, 3310), (668, 3313),

Gene: Chevrolet_2 Start: 573, Stop: 2210, Start Num: 88

Candidate Starts for Chevrolet_2:

(Start: 88 @573 has 156 MA's), (91, 582), (Start: 101 @597 has 3 MA's), (Start: 114 @618 has 1 MA's), (Start: 121 @630 has 1 MA's), (Start: 134 @654 has 2 MA's), (136, 657), (168, 720), (184, 759), (208, 846), (224, 906), (233, 918), (238, 930), (241, 939), (242, 942), (245, 963), (251, 984), (260, 999), (276, 1056), (292, 1095), (303, 1164), (306, 1170), (314, 1200), (315, 1203), (316, 1212), (322, 1227), (328, 1245), (339, 1296), (365, 1389), (367, 1398), (422, 1569), (435, 1581), (470, 1665), (483, 1695), (485, 1698), (487, 1701), (512, 1758), (517, 1773), (519, 1779), (520, 1782), (523, 1797), (529, 1806), (545, 1875), (554, 1905), (558, 1914), (571, 1947), (583, 1980), (597, 2007), (611, 2040), (616, 2061), (618, 2067), (619, 2070), (623, 2091), (627, 2115), (630, 2124), (632, 2127), (660, 2184),

Gene: ChewyVIII_38 Start: 19903, Stop: 21543, Start Num: 105

Candidate Starts for ChewyVIII_38:

(Start: 88 @19873 has 156 MA's), (91, 19882), (Start: 105 @19903 has 1 MA's), (Start: 121 @19930 has 1 MA's), (143, 19975), (146, 19984), (194, 20107), (197, 20113), (201, 20140), (212, 20185), (223, 20224), (239, 20257), (241, 20263), (299, 20461), (314, 20524), (345, 20635), (359, 20680), (367,

20719), (397, 20806), (408, 20848), (463, 20974), (513, 21118), (532, 21187), (533, 21193), (558, 21262), (576, 21310), (607, 21367), (636, 21478), (640, 21487), (663, 21523),

Gene: ChickenTender_6 Start: 1161, Stop: 2840, Start Num: 103

Candidate Starts for ChickenTender_6:

(Start: 103 @1161 has 70 MA's), (Start: 132 @1212 has 1 MA's), (141, 1233), (Start: 142 @1236 has 2 MA's), (167, 1278), (191, 1359), (210, 1425), (212, 1434), (239, 1506), (243, 1521), (252, 1557), (258, 1566), (273, 1617), (302, 1716), (313, 1770), (327, 1806), (363, 1950), (373, 1986), (384, 2025), (390, 2058), (403, 2106), (411, 2139), (416, 2163), (442, 2196), (459, 2229), (469, 2286), (473, 2295), (510, 2379), (519, 2406), (537, 2466), (567, 2562), (599, 2634), (605, 2646), (637, 2766), (666, 2826), (668, 2829),

Gene: ChipMunk_14 Start: 7824, Stop: 9611, Start Num: 55

Candidate Starts for ChipMunk_14:

(Start: 55 @7824 has 222 MA's), (123, 7932), (133, 7953), (164, 8061), (191, 8148), (241, 8292), (256, 8343), (258, 8346), (295, 8454), (310, 8544), (316, 8568), (352, 8685), (357, 8700), (439, 9000), (516, 9186), (523, 9213), (530, 9234), (556, 9330), (642, 9567), (666, 9597),

Gene: Chiqui_10 Start: 6717, Stop: 8414, Start Num: 54

Candidate Starts for Chiqui_10:

(Start: 54 @6717 has 363 MA's), (102, 6789), (198, 6987), (212, 7050), (250, 7161), (258, 7173), (269, 7212), (278, 7224), (295, 7281), (300, 7305), (310, 7371), (313, 7380), (336, 7461), (344, 7488), (380, 7626), (397, 7692), (403, 7713), (411, 7746), (443, 7812), (470, 7887), (480, 7911), (481, 7914), (484, 7920), (488, 7929), (512, 7977), (523, 8016), (530, 8037), (556, 8133), (573, 8178), (577, 8187), (632, 8340), (642, 8370), (666, 8400), (668, 8403),

Gene: ChocoMunchkin_4 Start: 1120, Stop: 2799, Start Num: 103

Candidate Starts for ChocoMunchkin_4:

(Start: 103 @1120 has 70 MA's), (Start: 132 @1171 has 1 MA's), (141, 1192), (Start: 142 @1195 has 2 MA's), (167, 1237), (187, 1303), (204, 1363), (210, 1384), (212, 1393), (243, 1480), (252, 1516), (258, 1525), (273, 1576), (302, 1675), (313, 1729), (327, 1765), (363, 1909), (373, 1945), (384, 1984), (419, 2131), (442, 2155), (473, 2254), (510, 2338), (537, 2425), (567, 2521), (591, 2569), (599, 2593), (618, 2644), (637, 2725), (666, 2785), (668, 2788),

Gene: Chuckly_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Chuckly_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Chucky_6 Start: 2377, Stop: 4023, Start Num: 53

Candidate Starts for Chucky_6:

(Start: 53 @2377 has 92 MA's), (Start: 68 @2395 has 32 MA's), (Start: 142 @2527 has 2 MA's), (180, 2599), (191, 2635), (248, 2815), (259, 2836), (277, 2881), (292, 2923), (304, 2995), (310, 3019), (339, 3118), (344, 3133), (352, 3157), (354, 3163), (407, 3331), (470, 3481), (479, 3502), (507, 3565), (516, 3592), (546, 3700), (556, 3739), (567, 3760), (569, 3766), (573, 3784), (616, 3880), (630, 3940), (670, 4018),

Gene: Chupacabra_11 Start: 6706, Stop: 8379, Start Num: 54

Candidate Starts for Chupacabra_11:

(Start: 54 @6706 has 363 MA's), (Start: 142 @6835 has 2 MA's), (175, 6901), (198, 6967), (208, 7012), (230, 7066), (243, 7108), (258, 7153), (269, 7192), (292, 7240), (295, 7261), (300, 7285), (310, 7336), (346, 7459), (352, 7477), (363, 7528), (387, 7606), (399, 7666), (411, 7711), (443, 7777), (469, 7849), (470, 7852), (480, 7876), (512, 7942), (523, 7981), (524, 7984), (530, 8002), (556, 8098), (583, 8167), (642, 8335), (666, 8365), (668, 8368),

Gene: Ciao_11 Start: 6974, Stop: 8662, Start Num: 54

Candidate Starts for Ciao_11:

(Start: 54 @6974 has 363 MA's), (Start: 169 @7154 has 2 MA's), (198, 7238), (205, 7274), (212, 7301), (246, 7397), (258, 7424), (267, 7457), (295, 7532), (310, 7622), (316, 7646), (338, 7721), (360, 7790), (380, 7877), (395, 7937), (486, 8171), (490, 8183), (512, 8225), (519, 8246), (529, 8273), (556, 8381), (598, 8471), (627, 8576),

Gene: Cici_11 Start: 6881, Stop: 8578, Start Num: 54

Candidate Starts for Cici_11:

(Start: 54 @6881 has 363 MA's), (Start: 74 @6905 has 1 MA's), (198, 7151), (231, 7256), (256, 7334), (258, 7337), (269, 7376), (295, 7445), (300, 7469), (310, 7535), (336, 7625), (380, 7790), (392, 7835), (403, 7877), (411, 7910), (443, 7976), (469, 8048), (470, 8051), (480, 8075), (512, 8141), (523, 8180), (530, 8201), (556, 8297), (641, 8531), (642, 8534), (666, 8564), (668, 8567),

Gene: Cindaradix_10 Start: 6590, Stop: 8287, Start Num: 54

Candidate Starts for Cindaradix_10:

(Start: 54 @6590 has 363 MA's), (Start: 74 @6614 has 1 MA's), (198, 6860), (256, 7043), (258, 7046), (269, 7085), (295, 7154), (300, 7178), (310, 7244), (313, 7253), (336, 7334), (346, 7367), (379, 7496), (380, 7499), (392, 7544), (403, 7586), (411, 7619), (470, 7760), (480, 7784), (481, 7787), (512, 7850), (523, 7889), (530, 7910), (556, 8006), (583, 8075), (606, 8114), (641, 8240), (642, 8243), (666, 8273), (668, 8276),

Gene: Cintron_11 Start: 6929, Stop: 8626, Start Num: 54

Candidate Starts for Cintron_11:

(Start: 54 @6929 has 363 MA's), (Start: 74 @6953 has 1 MA's), (Start: 142 @7076 has 2 MA's), (185, 7166), (198, 7199), (230, 7298), (256, 7382), (258, 7385), (269, 7424), (295, 7493), (300, 7517), (310, 7583), (336, 7673), (380, 7838), (403, 7925), (411, 7958), (469, 8096), (470, 8099), (480, 8123), (512, 8189), (523, 8228), (530, 8249), (556, 8345), (641, 8579), (642, 8582), (666, 8612), (668, 8615),

Gene: Citius_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Citius_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Clarenza_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Clarenza_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Clarkson_36 Start: 11120, Stop: 12862, Start Num: 103

Candidate Starts for Clarkson_36:

(Start: 103 @11120 has 70 MA's), (166, 11237), (180, 11282), (195, 11348), (196, 11363), (201, 11396), (202, 11399), (207, 11414), (214, 11438), (216, 11441), (230, 11471), (236, 11492), (239, 11510), (242, 11519), (249, 11555), (258, 11570), (273, 11615), (292, 11657), (298, 11696), (302, 11708), (304, 11729), (317, 11780), (328, 11801), (390, 12023), (416, 12128), (419, 12137), (450, 12170), (459, 12191), (460, 12194), (465, 12221), (470, 12251), (476, 12263), (481, 12278), (486, 12287), (488, 12293), (506, 12335), (508, 12344), (514, 12359), (519, 12374), (537, 12434), (544, 12473), (552, 12506), (567, 12536), (568, 12539), (590, 12623), (605, 12677), (610, 12692), (619, 12719), (630, 12773), (665, 12845), (666, 12848),

Gene: Cleo_4 Start: 1285, Stop: 2979, Start Num: 103

Candidate Starts for Cleo_4:

(Start: 103 @1285 has 70 MA's), (120, 1315), (139, 1348), (141, 1357), (191, 1495), (243, 1657), (245, 1672), (258, 1702), (263, 1723), (273, 1753), (295, 1822), (298, 1840), (302, 1852), (304, 1873), (327, 1942), (336, 1984), (384, 2161), (394, 2212), (411, 2275), (416, 2299), (442, 2332), (458, 2365), (473, 2434), (506, 2509), (508, 2518), (512, 2527), (516, 2539), (518, 2545), (523, 2566), (567, 2704), (618, 2827), (637, 2908), (666, 2965), (668, 2968),

Gene: Clifton_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Clifton_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: CloudWang3_15 Start: 7511, Stop: 9265, Start Num: 55

Candidate Starts for CloudWang3_15:

(Start: 55 @7511 has 222 MA's), (164, 7742), (180, 7793), (191, 7829), (212, 7904), (258, 8027), (269, 8066), (295, 8135), (300, 8159), (301, 8162), (310, 8225), (316, 8249), (346, 8348), (347, 8351), (356, 8378), (357, 8381), (443, 8666), (476, 8753), (480, 8765), (512, 8828), (523, 8867), (530, 8888), (551, 8972), (556, 8984), (642, 9221), (665, 9248), (666, 9251),

Gene: ClubL_30 Start: 8614, Stop: 10362, Start Num: 95

Candidate Starts for ClubL_30:

(Start: 95 @8614 has 23 MA's), (112, 8644), (177, 8773), (225, 8959), (233, 8998), (242, 9022), (247, 9052), (256, 9070), (264, 9097), (274, 9127), (327, 9319), (330, 9337), (370, 9499), (393, 9547), (398, 9562), (457, 9745), (459, 9751), (480, 9835), (515, 9922), (524, 9955), (555, 10069), (569, 10105), (577, 10129), (586, 10144), (646, 10318), (653, 10324),

Gene: Cocoaberry_11 Start: 6888, Stop: 8585, Start Num: 54

Candidate Starts for Cocoaberry_11:

(Start: 54 @6888 has 363 MA's), (Start: 74 @6912 has 1 MA's), (Start: 142 @7035 has 2 MA's), (185, 7125), (198, 7158), (230, 7257), (256, 7341), (258, 7344), (269, 7383), (295, 7452), (300, 7476), (310, 7542), (336, 7632), (380, 7797), (403, 7884), (411, 7917), (443, 7983), (469, 8055), (470, 8058), (480, 8082), (507, 8133), (512, 8148), (523, 8187), (530, 8208), (556, 8304), (642, 8541), (666, 8571), (668, 8574),

Gene: CoffeeBean_28 Start: 13981, Stop: 15654, Start Num: 82

Candidate Starts for CoffeeBean_28:

(Start: 82 @13981 has 25 MA's), (167, 14125), (183, 14176), (233, 14350), (241, 14371), (245, 14395), (255, 14422), (265, 14455), (289, 14521), (299, 14569), (314, 14632), (322, 14659), (367, 14827), (371, 14839), (408, 14950), (421, 15001), (471, 15100), (502, 15199), (507, 15211), (516, 15238), (520, 15250), (523, 15265), (544, 15340), (558, 15373), (571, 15406), (611, 15490), (616, 15511), (627, 15559), (663, 15634),

Gene: Colbster_13 Start: 6957, Stop: 8657, Start Num: 57

Candidate Starts for Colbster_13:

(Start: 57 @6957 has 139 MA's), (Start: 89 @7005 has 4 MA's), (166, 7140), (230, 7332), (258, 7419), (310, 7617), (336, 7707), (356, 7770), (395, 7932), (470, 8130), (480, 8154), (481, 8157), (512, 8220), (519, 8241), (530, 8280), (556, 8376), (577, 8430), (598, 8466), (642, 8613), (666, 8643), (668, 8646),

Gene: Colin_16 Start: 9101, Stop: 10888, Start Num: 55

Candidate Starts for Colin_16:

(Start: 55 @9101 has 222 MA's), (123, 9209), (133, 9230), (164, 9338), (180, 9389), (191, 9425), (212, 9500), (256, 9620), (258, 9623), (295, 9731), (301, 9758), (310, 9821), (316, 9845), (357, 9977), (470, 10364), (516, 10463), (523, 10490), (524, 10493), (530, 10511), (556, 10607), (642, 10844), (665, 10871), (666, 10874), (668, 10877), (669, 10880),

Gene: Colleen_3 Start: 1236, Stop: 2873, Start Num: 89

Candidate Starts for Colleen_3:

(Start: 89 @1236 has 4 MA's), (104, 1260), (144, 1338), (176, 1404), (205, 1503), (210, 1521), (212, 1530), (216, 1536), (233, 1584), (235, 1590), (239, 1599), (248, 1641), (250, 1647), (252, 1650), (258, 1659), (284, 1737), (310, 1854), (314, 1866), (315, 1869), (316, 1878), (336, 1941), (357, 2013), (363, 2046), (394, 2124), (433, 2235), (460, 2280), (510, 2412), (512, 2418), (549, 2550), (556, 2589), (598, 2679), (609, 2706), (629, 2787), (634, 2802), (635, 2805), (637, 2814), (668, 2862),

Gene: Commandaria_26 Start: 13436, Stop: 15160, Start Num: 82

Candidate Starts for Commandaria_26:

(Start: 82 @13436 has 25 MA's), (167, 13586), (184, 13643), (192, 13670), (197, 13682), (202, 13712), (205, 13721), (222, 13802), (233, 13862), (293, 14039), (314, 14144), (322, 14171), (345, 14255), (367, 14339), (371, 14351), (381, 14384), (408, 14462), (485, 14645), (502, 14708), (512, 14735), (520, 14759), (532, 14807), (537, 14816), (558, 14882), (576, 14930), (618, 15026), (625, 15062), (627, 15068), (636, 15098), (660, 15137),

Gene: Commander_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Commander_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Community_3 Start: 1606, Stop: 3312, Start Num: 75

Candidate Starts for Community_3:

(Start: 75 @1606 has 41 MA's), (258, 2035), (274, 2083), (302, 2173), (333, 2305), (346, 2347), (425, 2599), (470, 2722), (546, 2941), (556, 2977), (563, 2992), (605, 3127), (630, 3223), (634, 3235),

Gene: Conan_7 Start: 2225, Stop: 3871, Start Num: 53

Candidate Starts for Conan_7:

(Start: 50 @2216 has 1 MA's), (Start: 53 @2225 has 92 MA's), (Start: 54 @2228 has 363 MA's), (Start: 68 @2243 has 32 MA's), (180, 2447), (191, 2483), (204, 2528), (239, 2621), (243, 2636), (248, 2663),

(252, 2672), (259, 2684), (292, 2771), (301, 2819), (310, 2867), (339, 2966), (352, 3005), (392, 3119), (397, 3140), (407, 3179), (446, 3260), (470, 3329), (473, 3335), (479, 3350), (507, 3413), (545, 3545), (556, 3587), (569, 3614), (573, 3632), (599, 3680), (630, 3788),

Gene: Conceptll_11 Start: 7225, Stop: 8913, Start Num: 54

Candidate Starts for Conceptll_11:

(Start: 54 @7225 has 363 MA's), (198, 7489), (201, 7513), (258, 7675), (267, 7708), (295, 7783), (310, 7873), (316, 7897), (328, 7924), (338, 7972), (380, 8128), (395, 8188), (481, 8413), (486, 8422), (490, 8434), (512, 8476), (519, 8497), (529, 8524), (556, 8632), (598, 8722), (627, 8827),

Gene: Confidence_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for Confidence_2:

(Start: 57 @485 has 139 MA's), (140, 623), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (363, 1382), (371, 1415), (447, 1589), (460, 1616), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (641, 2225), (666, 2270), (668, 2273),

Gene: Connomayer_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Connomayer_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Conquerage_13 Start: 8154, Stop: 9926, Start Num: 68

Candidate Starts for Conquerage_13:

(Start: 55 @8139 has 222 MA's), (Start: 68 @8154 has 32 MA's), (Start: 72 @8160 has 5 MA's), (139, 8271), (164, 8370), (212, 8532), (241, 8604), (258, 8658), (269, 8697), (295, 8769), (310, 8859), (316, 8883), (352, 9000), (357, 9015), (383, 9123), (402, 9198), (411, 9234), (429, 9294), (476, 9414), (484, 9435), (507, 9474), (523, 9528), (524, 9531), (530, 9549), (544, 9603), (551, 9633), (556, 9645), (598, 9735), (606, 9753), (642, 9882), (665, 9909), (666, 9912),

Gene: Conspiracy_9 Start: 5979, Stop: 7757, Start Num: 29

Candidate Starts for Conspiracy_9:

(Start: 29 @5979 has 19 MA's), (Start: 32 @6006 has 30 MA's), (66, 6075), (Start: 90 @6114 has 1 MA's), (135, 6189), (139, 6195), (191, 6327), (212, 6402), (214, 6405), (262, 6540), (279, 6579), (287, 6603), (310, 6711), (324, 6756), (344, 6834), (346, 6840), (388, 7005), (397, 7038), (403, 7059), (470, 7233), (480, 7257), (481, 7260), (512, 7320), (516, 7332), (523, 7359), (530, 7380), (551, 7464), (556, 7476), (642, 7713), (668, 7746), (670, 7752),

Gene: Coog_9 Start: 6156, Stop: 7907, Start Num: 32

Candidate Starts for Coog_9:

(Start: 29 @6129 has 19 MA's), (Start: 32 @6156 has 30 MA's), (66, 6225), (135, 6339), (139, 6345), (191, 6477), (212, 6552), (214, 6555), (230, 6588), (241, 6621), (279, 6729), (287, 6753), (295, 6786), (310, 6861), (324, 6906), (344, 6984), (346, 6990), (388, 7155), (397, 7188), (403, 7209), (470, 7383), (480, 7407), (481, 7410), (512, 7470), (516, 7482), (523, 7509), (530, 7530), (551, 7614), (556, 7626), (642, 7863), (668, 7896), (670, 7902),

Gene: Cookiedough_15 Start: 7523, Stop: 9277, Start Num: 55

Candidate Starts for Cookiedough_15:

(Start: 55 @7523 has 222 MA's), (164, 7754), (180, 7805), (191, 7841), (212, 7916), (258, 8039), (269, 8078), (295, 8147), (300, 8171), (301, 8174), (310, 8237), (316, 8261), (356, 8390), (357, 8393), (386, 8504), (438, 8666), (470, 8753), (476, 8765), (480, 8777), (507, 8825), (512, 8840), (523, 8879), (530, 8900), (551, 8984), (556, 8996), (642, 9233), (665, 9260), (666, 9263),

Gene: Corazon_33 Start: 11073, Stop: 12815, Start Num: 103

Candidate Starts for Corazon_33:

(Start: 103 @11073 has 70 MA's), (166, 11190), (180, 11235), (195, 11301), (196, 11316), (201, 11349), (202, 11352), (207, 11367), (214, 11391), (216, 11394), (230, 11424), (236, 11445), (239, 11463), (242, 11472), (249, 11508), (258, 11523), (273, 11568), (292, 11610), (298, 11649), (302, 11661), (304, 11682), (317, 11733), (328, 11754), (390, 11976), (416, 12081), (419, 12090), (450, 12123), (459, 12144), (460, 12147), (465, 12174), (470, 12204), (476, 12216), (481, 12231), (486, 12240), (488, 12246), (506, 12288), (508, 12297), (514, 12312), (519, 12327), (537, 12387), (544, 12426), (552, 12459), (567, 12489), (568, 12492), (590, 12576), (605, 12630), (610, 12645), (619, 12672), (630, 12726), (665, 12798), (666, 12801),

Gene: Corium_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Corium_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Cornie_2 Start: 553, Stop: 2274, Start Num: 103

Candidate Starts for Cornie_2:

(Start: 103 @553 has 70 MA's), (Start: 132 @604 has 1 MA's), (139, 616), (Start: 142 @628 has 2 MA's), (148, 643), (166, 664), (182, 718), (187, 733), (191, 748), (193, 751), (202, 787), (205, 796), (212, 823), (214, 826), (238, 892), (241, 901), (243, 910), (252, 946), (254, 949), (258, 955), (259, 958), (263, 970), (278, 1009), (279, 1012), (295, 1063), (304, 1114), (310, 1138), (336, 1225), (350, 1279), (363, 1330), (367, 1351), (373, 1366), (384, 1405), (385, 1408), (390, 1438), (392, 1444), (416, 1543), (454, 1609), (463, 1651), (469, 1687), (486, 1726), (489, 1741), (512, 1828), (515, 1837), (518, 1846), (524, 1870), (542, 1942), (546, 1954), (570, 2023), (572, 2032), (599, 2083), (605, 2095), (606, 2098), (630, 2191), (632, 2194), (636, 2212),

Gene: Corvo_11 Start: 7169, Stop: 8857, Start Num: 54

Candidate Starts for Corvo_11:

(Start: 54 @7169 has 363 MA's), (Start: 169 @7349 has 2 MA's), (198, 7433), (205, 7469), (258, 7619), (295, 7727), (310, 7817), (316, 7841), (328, 7868), (338, 7916), (360, 7985), (376, 8060), (380, 8072), (395, 8132), (481, 8357), (486, 8366), (490, 8378), (512, 8420), (519, 8441), (529, 8468), (556, 8576), (598, 8666), (627, 8771),

Gene: CosmicSans_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for CosmicSans_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (469, 4308), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Cozz_4 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for Cozz_4:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (Start: 142 @1188 has 2 MA's), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (384, 1977), (390, 2010), (403, 2058), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (519, 2358), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: Crater_2 Start: 486, Stop: 2147, Start Num: 103

Candidate Starts for Crater_2:

(28, 324), (33, 357), (34, 360), (38, 378), (56, 411), (64, 420), (Start: 84 @453 has 10 MA's), (Start: 103 @486 has 70 MA's), (Start: 132 @537 has 1 MA's), (139, 549), (148, 576), (187, 666), (210, 747), (212, 756), (214, 759), (230, 792), (243, 843), (252, 879), (254, 882), (258, 888), (263, 903), (264, 906), (269, 924), (278, 942), (295, 996), (304, 1047), (310, 1071), (336, 1158), (353, 1218), (357, 1227), (363, 1263), (373, 1299), (384, 1338), (385, 1341), (390, 1371), (436, 1503), (442, 1509), (465, 1572), (469, 1599), (480, 1626), (481, 1629), (488, 1644), (512, 1701), (523, 1740), (546, 1821), (553, 1851), (579, 1914), (605, 1962), (606, 1965), (630, 2058), (632, 2061), (636, 2079), (641, 2088), (648, 2100), (668, 2136),

Gene: Crewmate_3 Start: 949, Stop: 2655, Start Num: 75

Candidate Starts for Crewmate_3:

(Start: 75 @949 has 41 MA's), (Start: 89 @970 has 4 MA's), (Start: 142 @1060 has 2 MA's), (176, 1129), (240, 1321), (258, 1378), (274, 1426), (302, 1516), (313, 1570), (327, 1615), (346, 1690), (425, 1942), (537, 2245), (546, 2284), (556, 2320), (563, 2335), (605, 2470), (630, 2566), (634, 2578),

Gene: Crispicous1_10 Start: 6453, Stop: 8141, Start Num: 54

Candidate Starts for Crispicous1_10:

(Start: 54 @6453 has 363 MA's), (198, 6717), (201, 6741), (258, 6903), (267, 6936), (295, 7011), (310, 7101), (316, 7125), (328, 7152), (338, 7200), (360, 7269), (380, 7356), (395, 7416), (486, 7650), (490, 7662), (512, 7704), (519, 7725), (529, 7752), (556, 7860), (598, 7950), (627, 8055),

Gene: Crucio_12 Start: 7386, Stop: 9173, Start Num: 55

Candidate Starts for Crucio_12:

(Start: 55 @7386 has 222 MA's), (123, 7494), (133, 7515), (164, 7623), (212, 7785), (256, 7905), (258, 7908), (295, 8016), (310, 8106), (316, 8130), (352, 8247), (357, 8262), (439, 8562), (516, 8748), (523, 8775), (530, 8796), (556, 8892), (642, 9129), (665, 9156), (666, 9159),

Gene: Crumble_2 Start: 573, Stop: 2210, Start Num: 88

Candidate Starts for Crumble_2:

(Start: 88 @573 has 156 MA's), (91, 582), (Start: 101 @597 has 3 MA's), (Start: 114 @618 has 1 MA's), (Start: 121 @630 has 1 MA's), (Start: 134 @654 has 2 MA's), (136, 657), (168, 720), (184, 759), (208, 846), (224, 906), (233, 918), (238, 930), (241, 939), (242, 942), (245, 963), (251, 984), (260, 999), (276, 1056), (292, 1095), (303, 1164), (306, 1170), (314, 1200), (315, 1203), (316, 1212), (322, 1227), (328, 1245), (339, 1296), (365, 1389), (367, 1398), (422, 1569), (435, 1581), (470, 1665), (483, 1695), (485, 1698), (487, 1701), (512, 1758), (517, 1773), (519, 1779), (520, 1782), (523, 1797), (529, 1806), (545, 1875), (554, 1905), (558, 1914), (571, 1947), (583, 1980), (597, 2007), (611, 2040), (619, 2070), (623, 2091), (627, 2115), (630, 2124), (632, 2127), (660, 2184),

Gene: Cuco_9 Start: 6160, Stop: 7938, Start Num: 29

Candidate Starts for Cuco_9:

(Start: 29 @6160 has 19 MA's), (Start: 32 @6187 has 30 MA's), (66, 6256), (135, 6370), (139, 6376), (191, 6508), (212, 6583), (214, 6586), (230, 6619), (241, 6652), (279, 6760), (287, 6784), (295, 6817), (310, 6892), (324, 6937), (344, 7015), (346, 7021), (397, 7219), (403, 7240), (470, 7414), (480, 7438),

(481, 7441), (512, 7501), (516, 7513), (523, 7540), (530, 7561), (551, 7645), (556, 7657), (642, 7894), (668, 7927), (670, 7933),

Gene: Cucurbita_32 Start: 9972, Stop: 11720, Start Num: 95

Candidate Starts for Cucurbita_32:

(Start: 95 @9972 has 23 MA's), (112, 10002), (177, 10131), (225, 10317), (233, 10356), (242, 10380), (247, 10410), (256, 10428), (264, 10455), (274, 10485), (327, 10677), (330, 10695), (370, 10857), (393, 10905), (398, 10920), (457, 11103), (459, 11109), (480, 11193), (515, 11280), (524, 11313), (555, 11427), (569, 11463), (577, 11487), (586, 11502), (646, 11676), (653, 11682),

Gene: Cueyllyss_11 Start: 7122, Stop: 8810, Start Num: 54

Candidate Starts for Cueyllyss_11:

(Start: 54 @7122 has 363 MA's), (198, 7386), (201, 7410), (258, 7572), (267, 7605), (295, 7680), (310, 7770), (316, 7794), (328, 7821), (338, 7869), (380, 8025), (395, 8085), (452, 8217), (481, 8310), (486, 8319), (490, 8331), (512, 8373), (519, 8394), (529, 8421), (556, 8529), (598, 8619), (627, 8724),

Gene: Cullens_13 Start: 6955, Stop: 8655, Start Num: 57

Candidate Starts for Cullens_13:

(Start: 57 @6955 has 139 MA's), (Start: 89 @7003 has 4 MA's), (166, 7138), (230, 7330), (258, 7417), (268, 7453), (310, 7615), (336, 7705), (356, 7768), (395, 7930), (470, 8128), (480, 8152), (481, 8155), (512, 8218), (519, 8239), (530, 8278), (556, 8374), (577, 8428), (598, 8464), (642, 8611), (666, 8641), (668, 8644),

Gene: Culver_30 Start: 8433, Stop: 10181, Start Num: 95

Candidate Starts for Culver_30:

(Start: 95 @8433 has 23 MA's), (112, 8463), (176, 8589), (177, 8592), (210, 8706), (225, 8778), (233, 8817), (242, 8841), (256, 8889), (264, 8916), (327, 9138), (330, 9156), (370, 9318), (393, 9366), (398, 9381), (457, 9564), (459, 9570), (480, 9654), (515, 9741), (524, 9774), (555, 9888), (569, 9924), (577, 9948), (586, 9963), (646, 10137), (653, 10143),

Gene: Cyan_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Cyan_2:

(6, 242), (8, 251), (Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1649), (556, 1904), (563, 1919), (583, 1973), (605, 2054), (626, 2138), (634, 2162),

Gene: D29_13 Start: 7375, Stop: 9162, Start Num: 55

Candidate Starts for D29_13:

(16, 7216), (19, 7243), (Start: 55 @7375 has 222 MA's), (123, 7483), (133, 7504), (155, 7570), (164, 7612), (191, 7699), (256, 7894), (258, 7897), (295, 8005), (310, 8095), (316, 8119), (346, 8218), (356, 8248), (357, 8251), (386, 8362), (439, 8551), (507, 8710), (512, 8725), (516, 8737), (523, 8764), (530, 8785), (551, 8869), (556, 8881), (598, 8971), (642, 9118), (665, 9145), (666, 9148),

Gene: D32_15 Start: 7375, Stop: 9162, Start Num: 55

Candidate Starts for D32_15:

(16, 7216), (19, 7243), (Start: 55 @7375 has 222 MA's), (123, 7483), (133, 7504), (155, 7570), (164, 7612), (191, 7699), (256, 7894), (258, 7897), (295, 8005), (310, 8095), (316, 8119), (346, 8218), (356, 8248), (357, 8251), (386, 8362), (439, 8551), (507, 8710), (512, 8725), (516, 8737), (523, 8764), (530, 8785), (551, 8869), (556, 8881), (598, 8971), (642, 9118), (665, 9145), (666, 9148),

Gene: DBQu4n_15 Start: 7375, Stop: 9162, Start Num: 55

Candidate Starts for DBQu4n_15:

(16, 7216), (19, 7243), (Start: 55 @7375 has 222 MA's), (123, 7483), (133, 7504), (155, 7570), (164, 7612), (191, 7699), (256, 7894), (258, 7897), (295, 8005), (310, 8095), (316, 8119), (346, 8218), (356, 8248), (357, 8251), (386, 8362), (439, 8551), (507, 8710), (512, 8725), (516, 8737), (523, 8764), (530, 8785), (551, 8869), (556, 8881), (598, 8971), (642, 9118), (665, 9145), (666, 9148),

Gene: DD5_12 Start: 7704, Stop: 9392, Start Num: 54

Candidate Starts for DD5_12:

(Start: 54 @7704 has 363 MA's), (198, 7968), (201, 7992), (258, 8154), (295, 8262), (310, 8352), (316, 8376), (328, 8403), (338, 8451), (360, 8520), (380, 8607), (383, 8616), (395, 8667), (486, 8901), (490, 8913), (512, 8955), (519, 8976), (529, 9003), (556, 9111), (598, 9201), (627, 9306),

Gene: DLane_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for DLane_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (578, 1982), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: DRBy19_2 Start: 588, Stop: 2225, Start Num: 88

Candidate Starts for DRBy19_2:

(Start: 88 @588 has 156 MA's), (94, 603), (Start: 101 @612 has 3 MA's), (Start: 105 @618 has 1 MA's), (Start: 121 @645 has 1 MA's), (Start: 134 @669 has 2 MA's), (136, 672), (168, 735), (174, 753), (184, 774), (208, 861), (209, 867), (224, 921), (233, 933), (238, 945), (241, 954), (242, 957), (245, 978), (251, 999), (276, 1071), (292, 1110), (303, 1179), (306, 1185), (314, 1215), (315, 1218), (316, 1227), (322, 1242), (328, 1260), (339, 1311), (367, 1413), (422, 1584), (435, 1596), (470, 1680), (483, 1710), (485, 1713), (487, 1716), (512, 1773), (517, 1788), (519, 1794), (520, 1797), (523, 1812), (529, 1821), (545, 1890), (554, 1920), (558, 1929), (571, 1962), (583, 1995), (597, 2022), (611, 2055), (618, 2082), (619, 2085), (623, 2106), (627, 2130), (630, 2139), (632, 2142), (660, 2199),

Gene: DS6A_5 Start: 1816, Stop: 3612, Start Num: 48

Candidate Starts for DS6A_5:

(Start: 48 @1816 has 1 MA's), (Start: 57 @1834 has 139 MA's), (176, 2068), (191, 2119), (201, 2155), (212, 2194), (230, 2236), (239, 2263), (241, 2269), (242, 2272), (258, 2323), (280, 2380), (281, 2383), (303, 2482), (310, 2509), (327, 2566), (375, 2758), (397, 2800), (447, 2920), (449, 2923), (460, 2947), (470, 2989), (481, 3016), (488, 3031), (520, 3121), (523, 3136), (524, 3139), (526, 3145), (536, 3205), (544, 3241), (546, 3247), (551, 3283), (552, 3286), (556, 3295), (580, 3352), (581, 3355), (582, 3358), (621, 3484), (627, 3520), (630, 3529), (634, 3541), (637, 3553), (641, 3559), (651, 3574),

Gene: DaHudson_13 Start: 6949, Stop: 8649, Start Num: 57

Candidate Starts for DaHudson_13:

(Start: 57 @6949 has 139 MA's), (Start: 89 @6997 has 4 MA's), (166, 7132), (230, 7324), (258, 7411), (310, 7609), (336, 7699), (356, 7762), (395, 7924), (470, 8122), (480, 8146), (481, 8149), (512, 8212), (519, 8233), (530, 8272), (556, 8368), (577, 8422), (598, 8458), (642, 8605), (666, 8635), (668, 8638),

Gene: DaVinci_15 Start: 7534, Stop: 9288, Start Num: 55

Candidate Starts for DaVinci_15:

(Start: 55 @7534 has 222 MA's), (164, 7765), (180, 7816), (191, 7852), (212, 7927), (258, 8050), (269, 8089), (295, 8158), (300, 8182), (301, 8185), (310, 8248), (316, 8272), (346, 8371), (347, 8374), (356,

8401), (357, 8404), (443, 8689), (476, 8776), (480, 8788), (512, 8851), (523, 8890), (530, 8911), (551, 8995), (556, 9007), (642, 9244), (665, 9271), (666, 9274),

Gene: DaddyRickover_2 Start: 652, Stop: 2208, Start Num: 134

Candidate Starts for DaddyRickover_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Daenerys_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Daenerys_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Daishi_12 Start: 5882, Stop: 7582, Start Num: 57

Candidate Starts for Daishi_12:

(Start: 57 @5882 has 139 MA's), (Start: 89 @5930 has 4 MA's), (Start: 132 @6002 has 1 MA's), (166, 6065), (258, 6344), (310, 6542), (336, 6632), (356, 6695), (395, 6857), (470, 7055), (480, 7079), (481, 7082), (512, 7145), (516, 7157), (519, 7166), (523, 7184), (530, 7205), (556, 7301), (577, 7355), (598, 7391), (642, 7538), (666, 7568), (668, 7571),

Gene: Dalilpop_29 Start: 14581, Stop: 16257, Start Num: 84

Candidate Starts for Dalilpop_29:

(Start: 84 @14581 has 10 MA's), (167, 14731), (184, 14788), (192, 14815), (197, 14827), (202, 14857), (314, 15241), (322, 15268), (345, 15352), (367, 15436), (371, 15448), (381, 15481), (408, 15559), (447, 15640), (460, 15667), (470, 15709), (487, 15745), (496, 15775), (520, 15856), (523, 15871), (558, 15979), (595, 16054), (627, 16165), (636, 16195),

Gene: Dalmatian_12 Start: 7536, Stop: 9323, Start Num: 55

Candidate Starts for Dalmatian_12:

(Start: 55 @7536 has 222 MA's), (123, 7644), (133, 7665), (164, 7773), (212, 7935), (256, 8055), (258, 8058), (295, 8166), (310, 8256), (316, 8280), (352, 8397), (357, 8412), (439, 8712), (516, 8898), (523, 8925), (530, 8946), (556, 9042), (642, 9279), (665, 9306), (666, 9309),

Gene: Danforth_8 Start: 5683, Stop: 7437, Start Num: 32

Candidate Starts for Danforth_8:

(Start: 32 @5683 has 30 MA's), (49, 5725), (73, 5764), (139, 5872), (212, 6079), (287, 6280), (310, 6388), (346, 6517), (388, 6682), (397, 6715), (446, 6835), (470, 6910), (519, 7021), (523, 7039), (530, 7060), (544, 7114), (556, 7156), (605, 7261), (630, 7360), (642, 7393), (668, 7426), (670, 7432),

Gene: Dante_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Dante_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752),

(184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Danzina_7 Start: 2576, Stop: 4222, Start Num: 53

Candidate Starts for Danzina_7:

(Start: 53 @2576 has 92 MA's), (Start: 68 @2594 has 32 MA's), (180, 2798), (191, 2834), (248, 3014), (259, 3035), (277, 3080), (292, 3122), (304, 3194), (310, 3218), (339, 3317), (344, 3332), (352, 3356), (354, 3362), (407, 3530), (470, 3680), (479, 3701), (484, 3713), (516, 3791), (546, 3899), (556, 3938), (567, 3959), (569, 3965), (573, 3983), (630, 4139),

Gene: Daredevil_12 Start: 5000, Stop: 6736, Start Num: 95

Candidate Starts for Daredevil_12:

(Start: 95 @5000 has 23 MA's), (Start: 106 @5015 has 1 MA's), (139, 5072), (167, 5129), (207, 5261), (230, 5372), (242, 5408), (270, 5504), (310, 5648), (317, 5675), (330, 5723), (394, 5930), (405, 5975), (459, 6128), (512, 6290), (537, 6371), (555, 6446), (586, 6518), (605, 6554), (616, 6590), (630, 6650),

Gene: Darrell_14 Start: 8335, Stop: 10122, Start Num: 55

Candidate Starts for Darrell_14:

(Start: 55 @8335 has 222 MA's), (Start: 68 @8350 has 32 MA's), (123, 8437), (139, 8467), (164, 8566), (180, 8617), (212, 8728), (241, 8800), (258, 8854), (269, 8893), (295, 8965), (310, 9055), (316, 9079), (357, 9211), (383, 9319), (402, 9394), (429, 9490), (484, 9631), (523, 9724), (524, 9727), (530, 9745), (544, 9799), (556, 9841), (577, 9895), (599, 9934), (606, 9949), (642, 10078), (665, 10105), (666, 10108),

Gene: DARTHPhader_13 Start: 8323, Stop: 10107, Start Num: 55

Candidate Starts for DARTHPhader_13:

(Start: 55 @8323 has 222 MA's), (Start: 72 @8344 has 5 MA's), (Start: 132 @8443 has 1 MA's), (139, 8455), (157, 8521), (164, 8554), (191, 8641), (241, 8785), (258, 8839), (269, 8878), (295, 8950), (310, 9040), (316, 9064), (346, 9163), (352, 9181), (357, 9196), (392, 9340), (470, 9583), (507, 9655), (512, 9670), (530, 9730), (556, 9826), (598, 9916), (641, 10060), (642, 10063), (665, 10090), (666, 10093), (668, 10096),

Gene: Darwin_15 Start: 7903, Stop: 9510, Start Num: 114

Candidate Starts for Darwin_15:

(Start: 114 @7903 has 1 MA's), (179, 8041), (184, 8071), (190, 8095), (201, 8137), (202, 8140), (209, 8164), (233, 8239), (234, 8242), (245, 8284), (255, 8311), (261, 8329), (267, 8356), (272, 8374), (275, 8377), (295, 8431), (314, 8515), (315, 8518), (320, 8539), (328, 8560), (347, 8632), (358, 8662), (367, 8713), (397, 8794), (471, 8989), (516, 9091), (523, 9118), (529, 9127), (562, 9238), (595, 9301), (627, 9412), (630, 9421), (669, 9502),

Gene: DatBoi_13 Start: 6914, Stop: 8650, Start Num: 95

Candidate Starts for DatBoi_13:

(Start: 95 @6914 has 23 MA's), (139, 6986), (201, 7157), (207, 7175), (230, 7286), (242, 7322), (270, 7418), (310, 7562), (317, 7589), (330, 7637), (394, 7844), (405, 7889), (428, 7970), (459, 8042), (555, 8360), (605, 8468), (630, 8564),

Gene: Dattran_7 Start: 2377, Stop: 4023, Start Num: 53

Candidate Starts for Dattran_7:

(Start: 53 @2377 has 92 MA's), (Start: 68 @2395 has 32 MA's), (180, 2599), (191, 2635), (248, 2815), (259, 2836), (292, 2923), (304, 2995), (310, 3019), (339, 3118), (344, 3133), (352, 3157), (354, 3163), (407, 3331), (431, 3391), (470, 3481), (479, 3502), (516, 3592), (530, 3640), (556, 3739), (567, 3760), (569, 3766), (573, 3784), (630, 3940),

Gene: Datway_11 Start: 6893, Stop: 8590, Start Num: 54

Candidate Starts for Datway_11:

(Start: 54 @6893 has 363 MA's), (Start: 74 @6917 has 1 MA's), (198, 7163), (231, 7268), (256, 7346), (258, 7349), (269, 7388), (295, 7457), (300, 7481), (310, 7547), (336, 7637), (380, 7802), (392, 7847), (403, 7889), (411, 7922), (443, 7988), (469, 8060), (470, 8063), (480, 8087), (512, 8153), (523, 8192), (530, 8213), (556, 8309), (641, 8543), (642, 8546), (666, 8576), (668, 8579),

Gene: Daudau_6 Start: 2153, Stop: 3799, Start Num: 53

Candidate Starts for Daudau_6:

(Start: 53 @2153 has 92 MA's), (198, 2423), (201, 2447), (204, 2456), (239, 2549), (248, 2591), (250, 2597), (259, 2612), (292, 2699), (304, 2771), (310, 2795), (331, 2864), (339, 2894), (349, 2930), (357, 2948), (398, 3071), (407, 3107), (412, 3125), (479, 3278), (516, 3368), (523, 3395), (556, 3515), (567, 3536), (573, 3560), (605, 3620), (630, 3716), (670, 3794),

Gene: DeadP_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for DeadP_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (241, 953), (242, 956), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Deano_11 Start: 6890, Stop: 8587, Start Num: 54

Candidate Starts for Deano_11:

(Start: 54 @6890 has 363 MA's), (Start: 74 @6914 has 1 MA's), (Start: 142 @7037 has 2 MA's), (185, 7127), (198, 7160), (230, 7259), (256, 7343), (258, 7346), (269, 7385), (295, 7454), (300, 7478), (310, 7544), (336, 7634), (380, 7799), (403, 7886), (411, 7919), (443, 7985), (469, 8057), (470, 8060), (480, 8084), (507, 8135), (512, 8150), (523, 8189), (530, 8210), (556, 8306), (642, 8543), (666, 8573), (668, 8576),

Gene: Deb65_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Deb65_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: DekHockey33_14 Start: 6808, Stop: 8505, Start Num: 55

Candidate Starts for DekHockey33_14:

(Start: 55 @6808 has 222 MA's), (71, 6826), (166, 6988), (241, 7213), (258, 7267), (295, 7375), (301, 7402), (310, 7465), (316, 7489), (480, 8005), (512, 8068), (524, 8110), (556, 8224), (605, 8329), (642, 8461), (665, 8488), (666, 8491), (668, 8494),

Gene: Deloris_13 Start: 7865, Stop: 9655, Start Num: 55

Candidate Starts for Deloris_13:

(12, 7691), (Start: 55 @7865 has 222 MA's), (123, 7973), (133, 7994), (164, 8102), (172, 8126), (258, 8390), (295, 8498), (310, 8588), (316, 8612), (352, 8729), (357, 8744), (439, 9044), (516, 9230), (523, 9257), (530, 9278), (556, 9374), (642, 9611), (665, 9638), (666, 9641),

Gene: Dexers_5 Start: 2218, Stop: 3864, Start Num: 53

Candidate Starts for Dexers_5:

(Start: 50 @2209 has 1 MA's), (Start: 53 @2218 has 92 MA's), (Start: 54 @2221 has 363 MA's), (Start: 68 @2236 has 32 MA's), (112, 2314), (180, 2440), (191, 2476), (204, 2521), (239, 2614), (243, 2629), (248, 2656), (252, 2665), (259, 2677), (292, 2764), (301, 2812), (310, 2860), (339, 2959), (352, 2998), (392, 3112), (397, 3133), (407, 3172), (446, 3253), (470, 3322), (473, 3328), (479, 3343), (507, 3406), (545, 3538), (556, 3580), (569, 3607), (573, 3625), (599, 3673), (630, 3781),

Gene: Dexes_12 Start: 7609, Stop: 9297, Start Num: 54

Candidate Starts for Dexes_12:

(Start: 54 @7609 has 363 MA's), (198, 7873), (201, 7897), (258, 8059), (267, 8092), (295, 8167), (310, 8257), (316, 8281), (328, 8308), (338, 8356), (380, 8512), (395, 8572), (486, 8806), (490, 8818), (512, 8860), (519, 8881), (529, 8908), (556, 9016), (598, 9106), (627, 9211),

Gene: Dhanush_11 Start: 6887, Stop: 8584, Start Num: 54

Candidate Starts for Dhanush_11:

(Start: 54 @6887 has 363 MA's), (Start: 74 @6911 has 1 MA's), (Start: 142 @7034 has 2 MA's), (185, 7124), (198, 7157), (230, 7256), (256, 7340), (258, 7343), (269, 7382), (295, 7451), (300, 7475), (310, 7541), (336, 7631), (380, 7796), (403, 7883), (411, 7916), (443, 7982), (469, 8054), (470, 8057), (480, 8081), (507, 8132), (512, 8147), (523, 8186), (530, 8207), (556, 8303), (642, 8540), (666, 8570), (668, 8573),

Gene: Diane_6 Start: 2144, Stop: 3793, Start Num: 53

Candidate Starts for Diane_6:

(Start: 53 @2144 has 92 MA's), (112, 2243), (172, 2342), (180, 2369), (198, 2417), (204, 2450), (243, 2558), (248, 2585), (259, 2606), (277, 2651), (292, 2693), (304, 2765), (310, 2789), (339, 2888), (349, 2924), (357, 2942), (397, 3062), (398, 3065), (407, 3101), (479, 3272), (484, 3284), (507, 3335), (523, 3389), (529, 3398), (556, 3509), (567, 3530), (573, 3554), (630, 3710), (670, 3788),

Gene: Dieselweasel_13 Start: 6958, Stop: 8658, Start Num: 57

Candidate Starts for Dieselweasel_13:

(Start: 57 @6958 has 139 MA's), (Start: 89 @7006 has 4 MA's), (166, 7141), (230, 7333), (258, 7420), (310, 7618), (336, 7708), (356, 7771), (395, 7933), (470, 8131), (480, 8155), (481, 8158), (512, 8221), (519, 8242), (530, 8281), (556, 8377), (577, 8431), (598, 8467), (642, 8614), (666, 8644), (668, 8647),

Gene: Dignity_14 Start: 7832, Stop: 9619, Start Num: 55

Candidate Starts for Dignity_14:

(Start: 55 @7832 has 222 MA's), (123, 7940), (133, 7961), (155, 8027), (156, 8033), (164, 8069), (172, 8093), (191, 8156), (256, 8351), (258, 8354), (295, 8462), (310, 8552), (316, 8576), (338, 8651), (352, 8693), (357, 8708), (439, 9008), (516, 9194), (523, 9221), (530, 9242), (556, 9338), (642, 9575), (666, 9605),

Gene: DillTech15_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for DillTech15_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752),

(184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Dinger_8 Start: 3152, Stop: 4834, Start Num: 57

Candidate Starts for Dinger_8:

(Start: 57 @3152 has 139 MA's), (Start: 169 @3338 has 2 MA's), (191, 3410), (198, 3422), (205, 3458), (262, 3626), (287, 3686), (310, 3794), (378, 4049), (397, 4121), (460, 4265), (470, 4307), (484, 4340), (512, 4397), (516, 4409), (556, 4553), (573, 4598), (605, 4658), (630, 4757), (642, 4790), (665, 4817), (666, 4820), (668, 4823),

Gene: DirtyDunning_11 Start: 6880, Stop: 8577, Start Num: 54

Candidate Starts for DirtyDunning_11:

(Start: 54 @6880 has 363 MA's), (Start: 74 @6904 has 1 MA's), (Start: 142 @7027 has 2 MA's), (185, 7117), (198, 7150), (230, 7249), (256, 7333), (258, 7336), (269, 7375), (295, 7444), (300, 7468), (310, 7534), (336, 7624), (380, 7789), (403, 7876), (411, 7909), (443, 7975), (469, 8047), (470, 8050), (480, 8074), (507, 8125), (512, 8140), (523, 8179), (530, 8200), (556, 8296), (642, 8533), (666, 8563), (668, 8566),

Gene: Discoknowium_9 Start: 6269, Stop: 8047, Start Num: 29

Candidate Starts for Discoknowium_9:

(Start: 29 @6269 has 19 MA's), (Start: 32 @6296 has 30 MA's), (66, 6365), (135, 6479), (139, 6485), (191, 6617), (212, 6692), (214, 6695), (279, 6869), (287, 6893), (310, 7001), (324, 7046), (344, 7124), (346, 7130), (347, 7133), (388, 7295), (390, 7301), (397, 7328), (403, 7349), (470, 7523), (480, 7547), (481, 7550), (512, 7610), (516, 7622), (523, 7649), (530, 7670), (544, 7724), (551, 7754), (556, 7766), (642, 8003), (668, 8036), (670, 8042),

Gene: Dixon_9 Start: 5702, Stop: 7456, Start Num: 32

Candidate Starts for Dixon_9:

(Start: 32 @5702 has 30 MA's), (49, 5744), (73, 5783), (139, 5891), (212, 6098), (287, 6299), (310, 6407), (346, 6536), (388, 6701), (397, 6734), (446, 6854), (470, 6929), (519, 7040), (523, 7058), (530, 7079), (544, 7133), (556, 7175), (583, 7244), (605, 7280), (630, 7379), (642, 7412), (668, 7445), (670, 7451),

Gene: DoRead_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for DoRead_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (244, 968), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Donkey_2 Start: 593, Stop: 2281, Start Num: 79

Candidate Starts for Donkey_2:

(Start: 79 @593 has 10 MA's), (187, 794), (235, 938), (243, 962), (258, 1007), (291, 1094), (302, 1148), (309, 1187), (346, 1322), (371, 1424), (412, 1535), (457, 1646), (470, 1697), (556, 1952), (563, 1967),

(630, 2192), (634, 2204), (638, 2219),

Gene: Donkeykong_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Donkeykong_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: DontArgue_10 Start: 4944, Stop: 6635, Start Num: 54

Candidate Starts for DontArgue_10:

(Start: 54 @4944 has 363 MA's), (Start: 74 @4968 has 1 MA's), (180, 5175), (191, 5211), (198, 5223), (231, 5328), (243, 5364), (258, 5409), (269, 5448), (292, 5496), (295, 5517), (300, 5541), (310, 5592), (399, 5922), (411, 5967), (470, 6108), (512, 6198), (516, 6210), (523, 6237), (530, 6258), (556, 6354), (642, 6591), (666, 6621), (668, 6624),

Gene: Doom_11 Start: 7247, Stop: 8935, Start Num: 54

Candidate Starts for Doom_11:

(Start: 54 @7247 has 363 MA's), (198, 7511), (201, 7535), (258, 7697), (267, 7730), (295, 7805), (310, 7895), (316, 7919), (328, 7946), (338, 7994), (360, 8063), (380, 8150), (395, 8210), (486, 8444), (490, 8456), (512, 8498), (519, 8519), (529, 8546), (556, 8654), (598, 8744), (627, 8849),

Gene: Doomphist_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Doomphist_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Dorothea_15 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for Dorothea_15:

(Start: 55 @7533 has 222 MA's), (164, 7764), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (346, 8370), (347, 8373), (356, 8400), (357, 8403), (443, 8688), (476, 8775), (480, 8787), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: Dorothy_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Dorothy_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: DotProduct_2 Start: 588, Stop: 2225, Start Num: 88

Candidate Starts for DotProduct_2:

(Start: 88 @588 has 156 MA's), (94, 603), (Start: 101 @612 has 3 MA's), (Start: 105 @618 has 1 MA's), (Start: 121 @645 has 1 MA's), (Start: 134 @669 has 2 MA's), (136, 672), (168, 735), (174, 753), (184, 774), (208, 861), (209, 867), (224, 921), (233, 933), (238, 945), (241, 954), (242, 957), (245, 978), (251, 999), (260, 1014), (276, 1071), (292, 1110), (303, 1179), (306, 1185), (314, 1215), (315, 1218), (316, 1227), (322, 1242), (328, 1260), (339, 1311), (367, 1413), (422, 1584), (435, 1596), (449, 1614), (470, 1680), (483, 1710), (485, 1713), (487, 1716), (512, 1773), (517, 1788), (519, 1794), (520, 1797), (523, 1812), (529, 1821), (545, 1890), (554, 1920), (558, 1929), (571, 1962), (583, 1995), (597, 2022), (611, 2055), (618, 2082), (619, 2085), (623, 2106), (627, 2130), (630, 2139), (632, 2142), (660, 2199),

Gene: Doug_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Doug_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (143, 674), (168, 719), (184, 758), (208, 845), (209, 851), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: DrFeelGood_10 Start: 6771, Stop: 8459, Start Num: 54

Candidate Starts for DrFeelGood_10:

(Start: 54 @6771 has 363 MA's), (198, 7035), (201, 7059), (258, 7221), (267, 7254), (295, 7329), (310, 7419), (316, 7443), (328, 7470), (338, 7518), (360, 7587), (380, 7674), (395, 7734), (481, 7959), (486, 7968), (490, 7980), (512, 8022), (519, 8043), (529, 8070), (556, 8178), (598, 8268), (627, 8373),

Gene: DrManhattan_2 Start: 534, Stop: 2240, Start Num: 77

Candidate Starts for DrManhattan_2:

(6, 240), (7, 243), (Start: 77 @534 has 7 MA's), (Start: 89 @555 has 4 MA's), (Start: 132 @621 has 1 MA's), (240, 906), (258, 963), (302, 1101), (305, 1125), (313, 1155), (327, 1200), (346, 1275), (412, 1488), (425, 1527), (546, 1869), (556, 1905), (563, 1920), (570, 1938), (605, 2055), (616, 2091), (630, 2151), (634, 2163),

Gene: DrSierra_2 Start: 548, Stop: 2254, Start Num: 75

Candidate Starts for DrSierra_2:

(Start: 75 @548 has 41 MA's), (Start: 89 @569 has 4 MA's), (120, 614), (258, 977), (274, 1025), (302, 1115), (346, 1289), (412, 1502), (425, 1541), (470, 1664), (507, 1748), (546, 1883), (556, 1919), (563, 1934), (605, 2069), (630, 2165), (634, 2177),

Gene: Drake55_14 Start: 7940, Stop: 9727, Start Num: 55

Candidate Starts for Drake55_14:

(10, 7754), (27, 7856), (Start: 55 @7940 has 222 MA's), (123, 8048), (133, 8069), (164, 8177), (258, 8462), (295, 8570), (310, 8660), (316, 8684), (352, 8801), (357, 8816), (470, 9203), (523, 9329), (530, 9350), (551, 9434), (556, 9446), (642, 9683), (665, 9710), (666, 9713), (668, 9716), (669, 9719),

Gene: Drake94_10 Start: 4774, Stop: 6465, Start Num: 54

Candidate Starts for Drake94_10:

(Start: 54 @4774 has 363 MA's), (Start: 74 @4798 has 1 MA's), (176, 4990), (191, 5041), (198, 5053), (207, 5095), (212, 5116), (243, 5194), (258, 5239), (269, 5278), (292, 5326), (295, 5347), (300, 5371), (310, 5422), (346, 5545), (387, 5692), (399, 5752), (411, 5797), (470, 5938), (493, 5992), (512, 6028), (523, 6067), (530, 6088), (556, 6184), (583, 6253), (642, 6421), (666, 6451), (668, 6454),

Gene: Dre3_4 Start: 1229, Stop: 2923, Start Num: 103

Candidate Starts for Dre3_4:

(Start: 103 @1229 has 70 MA's), (120, 1259), (139, 1292), (141, 1301), (191, 1439), (243, 1601), (245, 1616), (258, 1646), (263, 1667), (273, 1697), (295, 1766), (298, 1784), (302, 1796), (304, 1817), (327, 1886), (336, 1928), (384, 2105), (394, 2156), (411, 2219), (416, 2243), (442, 2276), (458, 2309), (473, 2378), (506, 2453), (508, 2462), (512, 2471), (516, 2483), (518, 2489), (523, 2510), (567, 2648), (618, 2771), (637, 2852), (666, 2909), (668, 2912),

Gene: DreamCatcher_14 Start: 8201, Stop: 9889, Start Num: 61

Candidate Starts for DreamCatcher_14:

(Start: 61 @8201 has 24 MA's), (Start: 169 @8381 has 2 MA's), (198, 8465), (202, 8492), (205, 8501), (258, 8651), (267, 8684), (295, 8759), (310, 8849), (316, 8873), (338, 8948), (360, 9017), (380, 9104), (383, 9113), (395, 9164), (486, 9398), (490, 9410), (512, 9452), (519, 9473), (529, 9500), (556, 9608), (598, 9698), (627, 9803),

Gene: DreamTeam1_12 Start: 6308, Stop: 8080, Start Num: 68

Candidate Starts for DreamTeam1_12:

(Start: 55 @6296 has 222 MA's), (Start: 68 @6308 has 32 MA's), (139, 6425), (164, 6524), (209, 6674), (212, 6686), (241, 6758), (258, 6812), (269, 6851), (295, 6923), (307, 6995), (310, 7013), (316, 7037), (352, 7154), (357, 7169), (383, 7277), (402, 7352), (429, 7448), (484, 7589), (507, 7628), (523, 7682), (524, 7685), (530, 7703), (544, 7757), (551, 7787), (556, 7799), (598, 7889), (606, 7907), (642, 8036), (665, 8063), (666, 8066),

Gene: Dreamboat_12 Start: 6899, Stop: 8587, Start Num: 54

Candidate Starts for Dreamboat_12:

(Start: 54 @6899 has 363 MA's), (Start: 169 @7079 has 2 MA's), (198, 7163), (205, 7199), (258, 7349), (295, 7457), (310, 7547), (316, 7571), (338, 7646), (360, 7715), (380, 7802), (395, 7862), (486, 8096), (490, 8108), (512, 8150), (519, 8171), (529, 8198), (556, 8306), (598, 8396), (627, 8501),

Gene: DroogsArmy_12 Start: 8069, Stop: 9763, Start Num: 54

Candidate Starts for DroogsArmy_12:

(Start: 54 @8069 has 363 MA's), (160, 8237), (180, 8288), (198, 8336), (212, 8399), (230, 8435), (241, 8468), (250, 8510), (258, 8522), (262, 8537), (269, 8561), (295, 8630), (310, 8720), (313, 8729), (357, 8876), (380, 8975), (394, 9032), (403, 9062), (469, 9233), (470, 9236), (480, 9260), (481, 9263), (515, 9335), (556, 9482), (569, 9509), (577, 9536), (632, 9689), (642, 9719), (666, 9749),

Gene: DropBear_11 Start: 6556, Stop: 8253, Start Num: 54

Candidate Starts for DropBear_11:

(Start: 54 @6556 has 363 MA's), (Start: 74 @6580 has 1 MA's), (102, 6628), (198, 6826), (212, 6889), (250, 7000), (258, 7012), (269, 7051), (278, 7063), (295, 7120), (300, 7144), (310, 7210), (313, 7219), (336, 7300), (344, 7327), (380, 7465), (403, 7552), (443, 7651), (470, 7726), (480, 7750), (481, 7753), (484, 7759), (488, 7768), (512, 7816), (530, 7876), (556, 7972), (573, 8017), (577, 8026), (632, 8179), (642, 8209), (666, 8239), (668, 8242),

Gene: Druantia_11 Start: 6885, Stop: 8582, Start Num: 54

Candidate Starts for Druantia_11:

(Start: 54 @6885 has 363 MA's), (Start: 74 @6909 has 1 MA's), (Start: 142 @7032 has 2 MA's), (185, 7122), (198, 7155), (230, 7254), (256, 7338), (258, 7341), (269, 7380), (295, 7449), (300, 7473), (310, 7539), (336, 7629), (380, 7794), (403, 7881), (411, 7914), (443, 7980), (469, 8052), (470, 8055), (480, 8079), (507, 8130), (512, 8145), (523, 8184), (530, 8205), (556, 8301), (642, 8538), (666, 8568), (668, 8571),

Gene: Dublin_8 Start: 6128, Stop: 7906, Start Num: 29

Candidate Starts for Dublin_8:

(Start: 29 @6128 has 19 MA's), (Start: 32 @6155 has 30 MA's), (66, 6224), (135, 6338), (139, 6344), (191, 6476), (212, 6551), (214, 6554), (230, 6587), (241, 6620), (279, 6728), (287, 6752), (295, 6785), (310, 6860), (324, 6905), (344, 6983), (346, 6989), (388, 7154), (397, 7187), (403, 7208), (470, 7382), (480, 7406), (481, 7409), (512, 7469), (516, 7481), (523, 7508), (530, 7529), (551, 7613), (556, 7625), (599, 7718), (642, 7862), (668, 7895), (670, 7901),

Gene: Dubu_2 Start: 550, Stop: 2163, Start Num: 106

Candidate Starts for Dubu_2:

(Start: 106 @550 has 1 MA's), (117, 574), (167, 643), (178, 676), (189, 727), (194, 745), (197, 751), (214, 820), (233, 916), (238, 940), (245, 973), (258, 1003), (266, 1033), (279, 1054), (281, 1060), (292, 1087), (308, 1174), (310, 1183), (314, 1195), (319, 1216), (328, 1231), (347, 1306), (374, 1384), (412, 1492), (456, 1585), (459, 1600), (500, 1708), (516, 1765), (525, 1801), (541, 1834), (551, 1870), (566, 1903), (610, 2008), (625, 2071), (627, 2077), (628, 2080), (645, 2131), (658, 2152),

Gene: DudeLittle_12 Start: 7538, Stop: 9325, Start Num: 55

Candidate Starts for DudeLittle_12:

(Start: 55 @7538 has 222 MA's), (123, 7646), (133, 7667), (164, 7775), (212, 7937), (256, 8057), (258, 8060), (295, 8168), (310, 8258), (316, 8282), (352, 8399), (357, 8414), (439, 8714), (516, 8900), (523, 8927), (530, 8948), (556, 9044), (642, 9281), (665, 9308), (666, 9311),

Gene: Dulcie_10 Start: 6646, Stop: 8334, Start Num: 54

Candidate Starts for Dulcie_10:

(Start: 54 @6646 has 363 MA's), (198, 6910), (201, 6934), (258, 7096), (267, 7129), (295, 7204), (310, 7294), (316, 7318), (328, 7345), (338, 7393), (344, 7411), (360, 7462), (380, 7549), (395, 7609), (486, 7843), (490, 7855), (512, 7897), (519, 7918), (529, 7945), (556, 8053), (598, 8143), (627, 8248),

Gene: Duplo_15 Start: 7416, Stop: 9203, Start Num: 55

Candidate Starts for Duplo_15:

(16, 7257), (19, 7284), (Start: 55 @7416 has 222 MA's), (123, 7524), (133, 7545), (155, 7611), (164, 7653), (191, 7740), (256, 7935), (258, 7938), (295, 8046), (310, 8136), (316, 8160), (346, 8259), (356, 8289), (357, 8292), (386, 8403), (439, 8592), (507, 8751), (512, 8766), (516, 8778), (523, 8805), (530, 8826), (551, 8910), (556, 8922), (598, 9012), (642, 9159), (665, 9186), (666, 9189),

Gene: Dussy_12 Start: 7007, Stop: 8695, Start Num: 54

Candidate Starts for Dussy_12:

(Start: 54 @7007 has 363 MA's), (Start: 169 @7187 has 2 MA's), (198, 7271), (205, 7307), (212, 7334), (258, 7457), (295, 7565), (310, 7655), (316, 7679), (328, 7706), (338, 7754), (360, 7823), (380, 7910), (395, 7970), (481, 8195), (486, 8204), (490, 8216), (512, 8258), (519, 8279), (529, 8306), (556, 8414), (598, 8504), (627, 8609),

Gene: DustyMartin_14 Start: 6755, Stop: 8446, Start Num: 54

Candidate Starts for DustyMartin_14:

(Start: 54 @6755 has 363 MA's), (Start: 74 @6779 has 1 MA's), (Start: 142 @6902 has 2 MA's), (175, 6968), (191, 7022), (198, 7034), (208, 7079), (230, 7133), (239, 7160), (243, 7175), (258, 7220), (269, 7259), (292, 7307), (295, 7328), (300, 7352), (310, 7403), (346, 7526), (387, 7673), (399, 7733), (411, 7778), (443, 7844), (470, 7919), (480, 7943), (512, 8009), (530, 8069), (556, 8165), (577, 8219), (642, 8402), (666, 8432), (668, 8435),

Gene: Dusty_28 Start: 8433, Stop: 10181, Start Num: 95

Candidate Starts for Dusty_28:

(Start: 95 @8433 has 23 MA's), (112, 8463), (176, 8589), (177, 8592), (210, 8706), (225, 8778), (233, 8817), (242, 8841), (256, 8889), (264, 8916), (327, 9138), (330, 9156), (370, 9318), (393, 9366), (398, 9381), (457, 9564), (459, 9570), (480, 9654), (515, 9741), (524, 9774), (555, 9888), (569, 9924), (577, 9948), (586, 9963), (646, 10137), (653, 10143),

Gene: Dwayne_6 Start: 2377, Stop: 4023, Start Num: 53

Candidate Starts for Dwayne_6:

(Start: 53 @2377 has 92 MA's), (Start: 68 @2395 has 32 MA's), (Start: 142 @2527 has 2 MA's), (180, 2599), (191, 2635), (248, 2815), (259, 2836), (277, 2881), (292, 2923), (304, 2995), (310, 3019), (339, 3118), (344, 3133), (352, 3157), (354, 3163), (407, 3331), (470, 3481), (479, 3502), (507, 3565), (516, 3592), (546, 3700), (556, 3739), (567, 3760), (569, 3766), (573, 3784), (616, 3880), (630, 3940), (670, 4018),

Gene: Dynamix_12 Start: 7056, Stop: 8744, Start Num: 54

Candidate Starts for Dynamix_12:

(Start: 54 @7056 has 363 MA's), (Start: 169 @7236 has 2 MA's), (198, 7320), (205, 7356), (212, 7383), (258, 7506), (295, 7614), (310, 7704), (316, 7728), (328, 7755), (338, 7803), (380, 7959), (394, 8016), (395, 8019), (486, 8253), (490, 8265), (512, 8307), (519, 8328), (529, 8355), (556, 8463), (598, 8553), (627, 8658),

Gene: ELB20_05 Start: 2194, Stop: 3855, Start Num: 53

Candidate Starts for ELB20_05:

(Start: 53 @2194 has 92 MA's), (176, 2416), (204, 2512), (239, 2605), (243, 2620), (248, 2647), (259, 2668), (292, 2755), (310, 2851), (319, 2884), (336, 2938), (346, 2971), (354, 2995), (368, 3064), (398, 3127), (399, 3133), (407, 3163), (448, 3247), (469, 3310), (470, 3313), (476, 3325), (479, 3334), (482, 3343), (507, 3397), (516, 3424), (556, 3571), (567, 3592), (573, 3616), (605, 3676), (630, 3772), (670, 3850),

Gene: EMSquaredA_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for EMSquaredA_2:

(Start: 57 @485 has 139 MA's), (140, 623), (149, 650), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (281, 1052), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (361, 1376), (363, 1382), (366, 1400), (371, 1415), (447, 1589), (460, 1616), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (560, 1961), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (666, 2270), (668, 2273),

Gene: EZMoney23_16 Start: 9406, Stop: 11193, Start Num: 55

Candidate Starts for EZMoney23_16:

(Start: 55 @9406 has 222 MA's), (123, 9514), (133, 9535), (164, 9643), (180, 9694), (191, 9730), (207, 9784), (256, 9925), (258, 9928), (269, 9967), (295, 10036), (310, 10126), (316, 10150), (357, 10282), (470, 10669), (516, 10768), (523, 10795), (530, 10816), (551, 10900), (556, 10912), (642, 11149), (665, 11176), (666, 11179), (668, 11182), (669, 11185),

Gene: Eagle_10 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Eagle_10:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: EagleEye_14 Start: 7590, Stop: 9344, Start Num: 55

Candidate Starts for EagleEye_14:

(Start: 55 @7590 has 222 MA's), (139, 7722), (164, 7821), (191, 7908), (212, 7983), (241, 8052), (256, 8103), (258, 8106), (295, 8214), (310, 8304), (316, 8328), (356, 8457), (357, 8460), (363, 8496), (439, 8736), (443, 8745), (470, 8820), (507, 8892), (512, 8907), (523, 8946), (530, 8967), (551, 9051), (556, 9063), (605, 9168), (627, 9258), (630, 9267), (642, 9300), (665, 9327), (666, 9330), (668, 9333), (669, 9336),

Gene: Eaglepride_12 Start: 6703, Stop: 8379, Start Num: 54

Candidate Starts for Eaglepride_12:

(Start: 54 @6703 has 363 MA's), (Start: 142 @6835 has 2 MA's), (180, 6919), (191, 6955), (198, 6967), (239, 7093), (258, 7153), (269, 7192), (292, 7240), (295, 7261), (300, 7285), (310, 7336), (346, 7459), (363, 7528), (399, 7666), (411, 7711), (443, 7777), (470, 7852), (480, 7876), (512, 7942), (516, 7954), (523, 7981), (530, 8002), (556, 8098), (583, 8167), (641, 8332), (642, 8335), (666, 8365), (668, 8368),

Gene: Eapen_11 Start: 6886, Stop: 8583, Start Num: 54

Candidate Starts for Eapen_11:

(Start: 54 @6886 has 363 MA's), (Start: 74 @6910 has 1 MA's), (Start: 142 @7033 has 2 MA's), (185, 7123), (198, 7156), (230, 7255), (256, 7339), (258, 7342), (269, 7381), (295, 7450), (300, 7474), (310, 7540), (336, 7630), (380, 7795), (403, 7882), (411, 7915), (443, 7981), (469, 8053), (470, 8056), (480, 8080), (507, 8131), (512, 8146), (523, 8185), (530, 8206), (556, 8302), (642, 8539), (666, 8569), (668, 8572),

Gene: Ebony_12 Start: 8082, Stop: 9845, Start Num: 55

Candidate Starts for Ebony_12:

(Start: 55 @8082 has 222 MA's), (Start: 72 @8103 has 5 MA's), (123, 8190), (164, 8319), (172, 8343), (191, 8406), (241, 8550), (256, 8601), (258, 8604), (295, 8715), (300, 8739), (301, 8742), (310, 8805), (313, 8814), (316, 8829), (352, 8946), (357, 8961), (368, 9021), (392, 9105), (476, 9333), (480, 9345), (507, 9393), (512, 9408), (523, 9447), (530, 9468), (540, 9507), (551, 9552), (556, 9564), (642, 9801), (665, 9828),

Gene: Echild_12 Start: 7541, Stop: 9328, Start Num: 55

Candidate Starts for Echild_12:

(12, 7367), (Start: 55 @7541 has 222 MA's), (123, 7649), (133, 7670), (164, 7778), (191, 7865), (256, 8060), (258, 8063), (295, 8171), (310, 8261), (316, 8285), (352, 8402), (357, 8417), (439, 8717), (516, 8903), (523, 8930), (530, 8951), (556, 9047), (642, 9284), (665, 9311), (666, 9314),

Gene: Eddasa_7 Start: 2562, Stop: 4208, Start Num: 53

Candidate Starts for Eddasa_7:

(Start: 53 @2562 has 92 MA's), (Start: 68 @2580 has 32 MA's), (180, 2784), (204, 2865), (248, 3000), (259, 3021), (277, 3066), (292, 3108), (304, 3180), (310, 3204), (336, 3291), (339, 3303), (357, 3357), (392, 3456), (407, 3516), (476, 3678), (479, 3687), (516, 3777), (528, 3810), (545, 3882), (546, 3885), (556, 3924), (567, 3945), (569, 3951), (573, 3969), (616, 4065), (630, 4125),

Gene: Edison31_11 Start: 6714, Stop: 8405, Start Num: 54

Candidate Starts for Edison31_11:

(Start: 54 @6714 has 363 MA's), (Start: 74 @6738 has 1 MA's), (Start: 142 @6861 has 2 MA's), (191, 6981), (198, 6993), (208, 7038), (230, 7092), (239, 7119), (243, 7134), (258, 7179), (269, 7218), (292, 7266), (295, 7287), (300, 7311), (310, 7362), (346, 7485), (380, 7617), (399, 7692), (411, 7737), (443, 7803), (470, 7878), (480, 7902), (512, 7968), (523, 8007), (524, 8010), (530, 8028), (556, 8124), (583, 8193), (642, 8361), (666, 8391), (668, 8394),

Gene: EdogawaKiddo_11 Start: 8124, Stop: 9896, Start Num: 68

Candidate Starts for EdogawaKiddo_11:

(Start: 55 @8109 has 222 MA's), (Start: 68 @8124 has 32 MA's), (Start: 72 @8130 has 5 MA's), (139, 8241), (164, 8340), (212, 8502), (241, 8574), (258, 8628), (269, 8667), (295, 8739), (310, 8829), (316, 8853), (352, 8970), (357, 8985), (383, 9093), (402, 9168), (411, 9204), (429, 9264), (476, 9384), (484, 9405), (507, 9444), (523, 9498), (524, 9501), (530, 9519), (544, 9573), (551, 9603), (556, 9615), (598, 9705), (606, 9723), (642, 9852), (665, 9879), (666, 9882),

Gene: Edtherson_12 Start: 7504, Stop: 9192, Start Num: 54

Candidate Starts for Edtherson_12:

(Start: 54 @7504 has 363 MA's), (Start: 169 @7684 has 2 MA's), (198, 7768), (205, 7804), (212, 7831), (258, 7954), (267, 7987), (295, 8062), (310, 8152), (316, 8176), (328, 8203), (338, 8251), (376, 8395), (380, 8407), (395, 8467), (486, 8701), (490, 8713), (512, 8755), (519, 8776), (529, 8803), (556, 8911), (598, 9001), (627, 9106),

Gene: Eidsmoe_13 Start: 8139, Stop: 9926, Start Num: 55

Candidate Starts for Eidsmoe_13:

(Start: 55 @8139 has 222 MA's), (Start: 68 @8154 has 32 MA's), (Start: 72 @8160 has 5 MA's), (139, 8271), (164, 8370), (212, 8532), (241, 8604), (258, 8658), (269, 8697), (295, 8769), (310, 8859), (316, 8883), (352, 9000), (357, 9015), (383, 9123), (402, 9198), (411, 9234), (429, 9294), (476, 9414), (484, 9435), (507, 9474), (523, 9528), (524, 9531), (530, 9549), (544, 9603), (551, 9633), (556, 9645), (598, 9735), (606, 9753), (642, 9882), (665, 9909), (666, 9912),

Gene: Eish_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Eish_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (449, 1598), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (577, 1964), (583, 1979), (597, 2006), (611, 2039), (616, 2060), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Ejemplo_6 Start: 2380, Stop: 4026, Start Num: 53

Candidate Starts for Ejemplo_6:

(Start: 53 @2380 has 92 MA's), (Start: 68 @2398 has 32 MA's), (180, 2602), (191, 2638), (248, 2818), (259, 2839), (292, 2926), (304, 2998), (310, 3022), (339, 3121), (344, 3136), (352, 3160), (354, 3166), (407, 3334), (431, 3394), (470, 3484), (479, 3505), (516, 3595), (546, 3703), (556, 3742), (567, 3763), (569, 3769), (573, 3787), (630, 3943), (670, 4021),

Gene: ElGato_7 Start: 2228, Stop: 3874, Start Num: 53

Candidate Starts for ElGato_7:

(Start: 50 @2219 has 1 MA's), (Start: 53 @2228 has 92 MA's), (Start: 54 @2231 has 363 MA's), (Start: 68 @2246 has 32 MA's), (180, 2450), (191, 2486), (204, 2531), (239, 2624), (243, 2639), (248, 2666), (252, 2675), (259, 2687), (292, 2774), (301, 2822), (310, 2870), (339, 2969), (352, 3008), (392, 3122), (397, 3143), (407, 3182), (446, 3263), (470, 3332), (473, 3338), (479, 3353), (507, 3416), (545, 3548), (556, 3590), (569, 3617), (573, 3635), (599, 3683), (630, 3791),

Gene: ElTiger69_9 Start: 5986, Stop: 7764, Start Num: 29

Candidate Starts for ElTiger69_9:

(Start: 29 @5986 has 19 MA's), (Start: 32 @6013 has 30 MA's), (58, 6073), (66, 6082), (Start: 90 @6121 has 1 MA's), (135, 6196), (139, 6202), (212, 6409), (214, 6412), (279, 6586), (310, 6718), (324, 6763), (344, 6841), (346, 6847), (388, 7012), (397, 7045), (403, 7066), (470, 7240), (480, 7264), (523, 7366), (530, 7387), (544, 7441), (551, 7471), (556, 7483), (577, 7537), (641, 7717), (642, 7720), (668,

7753), (670, 7759),

Gene: EleanorGeorge_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for EleanorGeorge_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Elephantoon_13 Start: 7764, Stop: 9554, Start Num: 55

Candidate Starts for Elephantoon_13:

(Start: 55 @7764 has 222 MA's), (Start: 68 @7779 has 32 MA's), (139, 7896), (164, 7995), (212, 8157), (241, 8229), (258, 8283), (269, 8322), (295, 8394), (310, 8484), (316, 8508), (357, 8640), (383, 8748), (402, 8823), (411, 8859), (429, 8919), (458, 8979), (476, 9039), (484, 9060), (523, 9156), (524, 9159), (530, 9177), (544, 9231), (551, 9261), (556, 9273), (599, 9366), (606, 9381), (621, 9432), (642, 9510), (665, 9537), (666, 9540),

Gene: Elezi_2 Start: 534, Stop: 2240, Start Num: 75

Candidate Starts for Elezi_2:

(Start: 75 @534 has 41 MA's), (Start: 132 @621 has 1 MA's), (240, 906), (258, 963), (263, 984), (274, 1011), (302, 1101), (313, 1155), (327, 1200), (346, 1275), (390, 1404), (412, 1488), (425, 1527), (470, 1650), (537, 1830), (544, 1863), (556, 1905), (563, 1920), (605, 2055), (616, 2091), (630, 2151), (634, 2163),

Gene: Elinal_5 Start: 906, Stop: 2582, Start Num: 103

Candidate Starts for Elinal_5:

(Start: 103 @906 has 70 MA's), (Start: 132 @957 has 1 MA's), (141, 978), (167, 1023), (180, 1065), (191, 1101), (210, 1167), (243, 1263), (252, 1299), (258, 1308), (259, 1311), (273, 1359), (279, 1371), (302, 1458), (349, 1638), (363, 1692), (409, 1872), (416, 1905), (459, 1971), (473, 2037), (476, 2043), (512, 2127), (537, 2208), (544, 2241), (569, 2310), (605, 2388), (632, 2487), (637, 2508), (641, 2514), (666, 2568), (668, 2571),

Gene: Elliott_4 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for Elliott_4:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (Start: 142 @1188 has 2 MA's), (165, 1224), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (384, 1977), (390, 2010), (403, 2058), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: Emaanora_8 Start: 2376, Stop: 4022, Start Num: 53

Candidate Starts for Emaanora_8:

(Start: 53 @2376 has 92 MA's), (Start: 68 @2394 has 32 MA's), (Start: 142 @2526 has 2 MA's), (180, 2598), (191, 2634), (248, 2814), (259, 2835), (292, 2922), (304, 2994), (310, 3018), (339, 3117), (344, 3132), (352, 3156), (354, 3162), (407, 3330), (470, 3480), (479, 3501), (507, 3564), (516, 3591), (546, 3699), (556, 3738), (567, 3759), (569, 3765), (573, 3783), (616, 3879), (630, 3939), (670, 4017),

Gene: Emalyn_3 Start: 805, Stop: 2487, Start Num: 103

Candidate Starts for Emalyn_3:

(Start: 103 @805 has 70 MA's), (Start: 132 @856 has 1 MA's), (141, 877), (Start: 142 @880 has 2 MA's), (191, 1003), (204, 1048), (212, 1078), (239, 1150), (243, 1165), (252, 1201), (258, 1210), (259, 1213), (273, 1261), (295, 1330), (302, 1360), (304, 1381), (314, 1417), (327, 1450), (355, 1555), (363, 1594), (373, 1630), (384, 1669), (390, 1702), (403, 1750), (411, 1783), (416, 1807), (442, 1840), (473, 1939), (476, 1945), (510, 2023), (523, 2068), (537, 2110), (567, 2206), (591, 2254), (618, 2329), (637, 2410), (666, 2473), (668, 2476),

Gene: EmiMonkey_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for EmiMonkey_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Emianna_24 Start: 13154, Stop: 14881, Start Num: 81

Candidate Starts for Emianna_24:

(9, 12920), (30, 13049), (Start: 81 @13154 has 11 MA's), (167, 13304), (183, 13355), (184, 13361), (197, 13400), (202, 13430), (209, 13454), (212, 13472), (219, 13499), (228, 13562), (233, 13580), (314, 13865), (322, 13892), (345, 13976), (367, 14060), (371, 14072), (381, 14105), (408, 14183), (444, 14261), (470, 14333), (485, 14366), (502, 14429), (512, 14456), (520, 14480), (529, 14504), (558, 14603), (576, 14651), (627, 14789), (636, 14819), (669, 14873),

Gene: Emma_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Emma_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Emotion_2 Start: 551, Stop: 2290, Start Num: 54

Candidate Starts for Emotion_2:

(Start: 50 @539 has 1 MA's), (Start: 54 @551 has 363 MA's), (91, 611), (152, 716), (231, 932), (235, 944), (248, 995), (258, 1013), (481, 1733), (556, 1961), (563, 1976), (619, 2147), (634, 2213), (666, 2276),

Gene: Empress_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Empress_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: EmyBug_13 Start: 8160, Stop: 9926, Start Num: 72

Candidate Starts for EmyBug_13:

(Start: 55 @8139 has 222 MA's), (Start: 68 @8154 has 32 MA's), (Start: 72 @8160 has 5 MA's), (139, 8271), (164, 8370), (212, 8532), (241, 8604), (258, 8658), (269, 8697), (295, 8769), (310, 8859), (316, 8883), (352, 9000), (357, 9015), (383, 9123), (402, 9198), (411, 9234), (429, 9294), (476, 9414), (484, 9435), (507, 9474), (523, 9528), (524, 9531), (530, 9549), (544, 9603), (551, 9633), (556, 9645), (598, 9735), (606, 9753), (642, 9882), (665, 9909), (666, 9912),

Gene: EnalisNailo_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for EnalisNailo_2:

(Start: 57 @485 has 139 MA's), (140, 623), (149, 650), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (281, 1052), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (361, 1376), (363, 1382), (366, 1400), (371, 1415), (447, 1589), (460, 1616), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (560, 1961), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (666, 2270), (668, 2273),

Gene: Engineer_31 Start: 8628, Stop: 10376, Start Num: 95

Candidate Starts for Engineer_31:

(Start: 95 @8628 has 23 MA's), (112, 8658), (177, 8787), (225, 8973), (233, 9012), (242, 9036), (247, 9066), (256, 9084), (264, 9111), (274, 9141), (327, 9333), (330, 9351), (370, 9513), (393, 9561), (398, 9576), (457, 9759), (459, 9765), (480, 9849), (515, 9936), (524, 9969), (555, 10083), (569, 10119), (577, 10143), (586, 10158), (646, 10332), (653, 10338),

Gene: Ennea_30 Start: 13824, Stop: 15503, Start Num: 84

Candidate Starts for Ennea_30:

(Start: 84 @13824 has 10 MA's), (167, 13974), (184, 14031), (192, 14058), (197, 14070), (205, 14109), (212, 14142), (314, 14484), (322, 14511), (367, 14679), (371, 14691), (381, 14724), (408, 14802), (458, 14904), (496, 15018), (520, 15099), (523, 15114), (537, 15156), (558, 15222), (562, 15234), (576, 15270), (595, 15297), (618, 15366), (619, 15369), (636, 15438),

Gene: EnochSoames_7 Start: 2576, Stop: 4204, Start Num: 68

Candidate Starts for EnochSoames_7:

(Start: 53 @2558 has 92 MA's), (Start: 68 @2576 has 32 MA's), (180, 2780), (204, 2861), (248, 2996), (259, 3017), (277, 3062), (292, 3104), (304, 3176), (310, 3200), (336, 3287), (339, 3299), (357, 3353), (392, 3452), (407, 3512), (476, 3674), (479, 3683), (516, 3773), (528, 3806), (545, 3878), (546, 3881), (556, 3920), (567, 3941), (569, 3947), (573, 3965), (616, 4061), (630, 4121),

Gene: EnzoK_11 Start: 7238, Stop: 8926, Start Num: 54

Candidate Starts for EnzoK_11:

(Start: 54 @7238 has 363 MA's), (198, 7502), (201, 7526), (258, 7688), (267, 7721), (295, 7796), (310, 7886), (316, 7910), (328, 7937), (338, 7985), (380, 8141), (395, 8201), (486, 8435), (490, 8447), (512, 8489), (519, 8510), (529, 8537), (556, 8645), (598, 8735), (627, 8840),

Gene: EpicPhail_13 Start: 6957, Stop: 8657, Start Num: 57

Candidate Starts for EpicPhail_13:

(Start: 57 @6957 has 139 MA's), (Start: 89 @7005 has 4 MA's), (166, 7140), (230, 7332), (258, 7419), (310, 7617), (336, 7707), (356, 7770), (395, 7932), (470, 8130), (480, 8154), (481, 8157), (512, 8220), (519, 8241), (530, 8280), (556, 8376), (577, 8430), (598, 8466), (642, 8613), (666, 8643), (668, 8646),

Gene: Epsocamisio_14 Start: 6686, Stop: 8383, Start Num: 55

Candidate Starts for Epsocamisio_14:

(Start: 55 @6686 has 222 MA's), (71, 6704), (166, 6866), (212, 7022), (241, 7091), (258, 7145), (295, 7253), (301, 7280), (310, 7343), (316, 7367), (480, 7883), (512, 7946), (524, 7988), (556, 8102), (605, 8207), (642, 8339), (665, 8366), (666, 8369), (668, 8372),

Gene: Equemioh13_14 Start: 7926, Stop: 9713, Start Num: 55

Candidate Starts for Equemioh13_14:

(10, 7740), (27, 7842), (Start: 55 @7926 has 222 MA's), (123, 8034), (133, 8055), (161, 8145), (164, 8163), (241, 8394), (256, 8445), (258, 8448), (295, 8556), (310, 8646), (316, 8670), (357, 8802), (470, 9189), (523, 9315), (530, 9336), (551, 9420), (556, 9432), (642, 9669), (665, 9696), (666, 9699), (668, 9702), (669, 9705),

Gene: Eradicator_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Eradicator_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (143, 674), (168, 719), (184, 758), (208, 845), (209, 851), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Eraser_2 Start: 534, Stop: 2240, Start Num: 75

Candidate Starts for Eraser_2:

(Start: 75 @534 has 41 MA's), (Start: 132 @621 has 1 MA's), (240, 906), (258, 963), (263, 984), (274, 1011), (302, 1101), (313, 1155), (327, 1200), (346, 1275), (367, 1365), (412, 1488), (425, 1527), (470, 1650), (537, 1830), (544, 1863), (556, 1905), (563, 1920), (605, 2055), (616, 2091), (630, 2151), (634, 2163),

Gene: EricB_15 Start: 7524, Stop: 9278, Start Num: 55

Candidate Starts for EricB_15:

(Start: 55 @7524 has 222 MA's), (164, 7755), (180, 7806), (191, 7842), (212, 7917), (258, 8040), (269, 8079), (295, 8148), (300, 8172), (301, 8175), (310, 8238), (316, 8262), (346, 8361), (347, 8364), (356, 8391), (357, 8394), (443, 8679), (476, 8766), (480, 8778), (512, 8841), (523, 8880), (530, 8901), (551, 8985), (556, 8997), (642, 9234), (665, 9261), (666, 9264),

Gene: Erik_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Erik_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Eris_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Eris_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Eros_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Eros_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Esperer_6 Start: 2420, Stop: 4048, Start Num: 68

Candidate Starts for Esperer_6:

(Start: 53 @2402 has 92 MA's), (Start: 68 @2420 has 32 MA's), (180, 2624), (204, 2705), (248, 2840), (259, 2861), (292, 2948), (304, 3020), (310, 3044), (339, 3143), (357, 3197), (392, 3296), (407, 3356), (476, 3518), (479, 3527), (516, 3617), (523, 3644), (545, 3722), (546, 3725), (556, 3764), (567, 3785), (569, 3791), (573, 3809), (616, 3905), (630, 3965),

Gene: Espica_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Espica_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (446, 4236), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Espresso_11 Start: 7100, Stop: 8788, Start Num: 54

Candidate Starts for Espresso_11:

(Start: 54 @7100 has 363 MA's), (198, 7364), (201, 7388), (258, 7550), (267, 7583), (295, 7658), (310, 7748), (316, 7772), (328, 7799), (338, 7847), (344, 7865), (360, 7916), (376, 7991), (380, 8003), (395, 8063), (486, 8297), (490, 8309), (512, 8351), (519, 8372), (529, 8399), (556, 8507), (598, 8597), (627, 8702),

Gene: Estave1_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Estave1_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (358, 1346), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (577, 1964), (583, 1979), (597, 2006), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Et2Brutus_11 Start: 8027, Stop: 9790, Start Num: 55

Candidate Starts for Et2Brutus_11:

(Start: 55 @8027 has 222 MA's), (Start: 72 @8048 has 5 MA's), (123, 8135), (164, 8264), (172, 8288), (191, 8351), (241, 8495), (256, 8546), (258, 8549), (295, 8660), (300, 8684), (301, 8687), (310, 8750), (313, 8759), (316, 8774), (352, 8891), (357, 8906), (368, 8966), (392, 9050), (476, 9278), (480, 9290), (507, 9338), (512, 9353), (523, 9392), (530, 9413), (540, 9452), (551, 9497), (556, 9509), (642, 9746), (665, 9773),

Gene: Euphoria_11 Start: 6996, Stop: 8684, Start Num: 54

Candidate Starts for Euphoria_11:

(Start: 54 @6996 has 363 MA's), (198, 7260), (201, 7284), (258, 7446), (267, 7479), (295, 7554), (310, 7644), (316, 7668), (328, 7695), (338, 7743), (360, 7812), (380, 7899), (395, 7959), (481, 8184), (486, 8193), (490, 8205), (512, 8247), (519, 8268), (529, 8295), (556, 8403), (598, 8493), (627, 8598),

Gene: Euratis_2 Start: 596, Stop: 2176, Start Num: 122

Candidate Starts for Euratis_2:

(Start: 122 @596 has 3 MA's), (195, 767), (215, 833), (226, 881), (227, 893), (245, 962), (246, 965), (258, 986), (259, 989), (266, 1016), (278, 1037), (289, 1070), (300, 1121), (349, 1304), (365, 1343), (372, 1364), (409, 1475), (414, 1496), (468, 1637), (472, 1643), (474, 1646), (493, 1694), (509, 1742), (534, 1847), (535, 1850), (539, 1868), (544, 1895), (562, 1943), (600, 2024), (612, 2051), (628, 2123),

Gene: Eurydice_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Eurydice_11:

(13, 6707), (17, 6725), (Start: 20 @6755 has 1 MA's), (Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: EvilGenius_14 Start: 7834, Stop: 9621, Start Num: 55

Candidate Starts for EvilGenius_14:

(Start: 55 @7834 has 222 MA's), (123, 7942), (133, 7963), (164, 8071), (191, 8158), (241, 8302), (256, 8353), (258, 8356), (295, 8464), (310, 8554), (316, 8578), (352, 8695), (357, 8710), (439, 9010), (516, 9196), (523, 9223), (530, 9244), (556, 9340), (642, 9577), (666, 9607),

Gene: Exile_2 Start: 568, Stop: 2271, Start Num: 75

Candidate Starts for Exile_2:

(Start: 75 @568 has 41 MA's), (191, 790), (205, 838), (235, 919), (258, 988), (274, 1036), (302, 1129), (313, 1183), (367, 1393), (556, 1939), (563, 1954), (634, 2194), (638, 2209), (666, 2257),

Gene: Expelliarmus_8 Start: 5669, Stop: 7423, Start Num: 32

Candidate Starts for Expelliarmus_8:

(Start: 32 @5669 has 30 MA's), (49, 5711), (73, 5750), (139, 5858), (212, 6065), (287, 6266), (310, 6374), (346, 6503), (388, 6668), (397, 6701), (446, 6821), (470, 6896), (519, 7007), (523, 7025), (530, 7046), (544, 7100), (556, 7142), (605, 7247), (630, 7346), (642, 7379), (668, 7412), (670, 7418),

Gene: ExplosioNervosa_13 Start: 8157, Stop: 9929, Start Num: 68

Candidate Starts for ExplosioNervosa_13:

(Start: 55 @8142 has 222 MA's), (Start: 68 @8157 has 32 MA's), (Start: 72 @8163 has 5 MA's), (139, 8274), (164, 8373), (212, 8535), (241, 8607), (258, 8661), (269, 8700), (295, 8772), (310, 8862), (316, 8886), (352, 9003), (357, 9018), (383, 9126), (402, 9201), (411, 9237), (429, 9297), (476, 9417), (484, 9438), (507, 9477), (523, 9531), (524, 9534), (530, 9552), (544, 9606), (551, 9636), (556, 9648), (598, 9738), (606, 9756), (642, 9885), (665, 9912), (666, 9915),

Gene: Eyeball_11 Start: 6743, Stop: 8431, Start Num: 54

Candidate Starts for Eyeball_11:

(Start: 54 @6743 has 363 MA's), (198, 7007), (201, 7031), (258, 7193), (267, 7226), (295, 7301), (310, 7391), (316, 7415), (328, 7442), (338, 7490), (380, 7646), (395, 7706), (481, 7931), (486, 7940), (490, 7952), (512, 7994), (519, 8015), (529, 8042), (556, 8150), (598, 8240), (627, 8345),

Gene: FF47_05 Start: 1775, Stop: 3439, Start Num: 103

Candidate Starts for FF47_05:

(Start: 103 @1775 has 70 MA's), (126, 1814), (139, 1838), (191, 1967), (236, 2099), (239, 2114), (243, 2129), (258, 2174), (273, 2222), (288, 2258), (301, 2315), (304, 2339), (314, 2375), (367, 2573), (373, 2588), (384, 2627), (419, 2774), (470, 2894), (516, 2999), (546, 3107), (553, 3137), (567, 3164), (570, 3176), (591, 3212), (592, 3215), (622, 3308), (636, 3365),

Gene: Fajezeel_13 Start: 7320, Stop: 9008, Start Num: 61

Candidate Starts for Fajezeel_13:

(Start: 61 @7320 has 24 MA's), (166, 7491), (Start: 169 @7500 has 2 MA's), (198, 7584), (202, 7611), (205, 7620), (258, 7770), (267, 7803), (295, 7878), (310, 7968), (316, 7992), (328, 8019), (338, 8067), (380, 8223), (395, 8283), (486, 8517), (512, 8571), (519, 8592), (529, 8619), (556, 8727), (598, 8817), (627, 8922),

Gene: Fameo_12 Start: 7454, Stop: 9241, Start Num: 55

Candidate Starts for Fameo_12:

(Start: 55 @7454 has 222 MA's), (123, 7562), (133, 7583), (164, 7691), (212, 7853), (258, 7976), (295, 8084), (310, 8174), (316, 8198), (352, 8315), (357, 8330), (439, 8630), (516, 8816), (523, 8843), (530, 8864), (556, 8960), (642, 9197), (665, 9224), (666, 9227),

Gene: Fancypants_2 Start: 653, Stop: 2209, Start Num: 134

Candidate Starts for Fancypants_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (358, 1346), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (577, 1964), (583, 1979), (597, 2006), (611, 2039), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Farber_13 Start: 6950, Stop: 8650, Start Num: 57

Candidate Starts for Farber_13:

(Start: 57 @6950 has 139 MA's), (Start: 89 @6998 has 4 MA's), (166, 7133), (230, 7325), (258, 7412), (310, 7610), (336, 7700), (356, 7763), (395, 7925), (470, 8123), (480, 8147), (481, 8150), (512, 8213), (519, 8234), (530, 8273), (556, 8369), (577, 8423), (598, 8459), (642, 8606), (666, 8636), (668, 8639),

Gene: Farewell_2 Start: 506, Stop: 2287, Start Num: 54

Candidate Starts for Farewell_2:

(Start: 54 @506 has 363 MA's), (125, 611), (201, 830), (205, 842), (212, 869), (239, 935), (241, 941), (242, 944), (247, 974), (258, 995), (280, 1052), (303, 1154), (313, 1190), (327, 1238), (341, 1298), (364, 1388), (371, 1418), (397, 1472), (416, 1550), (470, 1658), (479, 1679), (484, 1691), (490, 1709), (523, 1808), (533, 1862), (536, 1877), (546, 1919), (556, 1967), (569, 1991), (581, 2027), (599, 2096), (604, 2102), (605, 2108), (621, 2159), (627, 2195), (629, 2201), (634, 2216), (641, 2234), (651, 2249),

Gene: Fascinus_10 Start: 6746, Stop: 8434, Start Num: 54

Candidate Starts for Fascinus_10:

(Start: 54 @6746 has 363 MA's), (Start: 169 @6926 has 2 MA's), (198, 7010), (205, 7046), (212, 7073), (258, 7196), (295, 7304), (310, 7394), (316, 7418), (338, 7493), (360, 7562), (380, 7649), (395, 7709), (481, 7934), (486, 7943), (490, 7955), (512, 7997), (519, 8018), (529, 8045), (556, 8153), (598, 8243), (627, 8348),

Gene: Fastidio_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Fastidio_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021),

(611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: FatCactus_10 Start: 5592, Stop: 7292, Start Num: 59

Candidate Starts for FatCactus_10:

(Start: 59 @5592 has 1 MA's), (Start: 142 @5733 has 2 MA's), (166, 5772), (243, 6006), (258, 6051), (285, 6123), (292, 6141), (295, 6162), (307, 6234), (310, 6252), (346, 6375), (356, 6405), (378, 6501), (411, 6627), (469, 6765), (480, 6792), (530, 6915), (544, 6969), (556, 7011), (569, 7038), (577, 7065), (642, 7248), (668, 7281),

Gene: Fayely_13 Start: 8142, Stop: 9929, Start Num: 55

Candidate Starts for Fayely_13:

(Start: 55 @8142 has 222 MA's), (Start: 68 @8157 has 32 MA's), (Start: 72 @8163 has 5 MA's), (139, 8274), (164, 8373), (212, 8535), (241, 8607), (258, 8661), (269, 8700), (295, 8772), (310, 8862), (316, 8886), (352, 9003), (357, 9018), (383, 9126), (402, 9201), (411, 9237), (429, 9297), (476, 9417), (484, 9438), (507, 9477), (523, 9531), (524, 9534), (530, 9552), (544, 9606), (551, 9636), (556, 9648), (598, 9738), (606, 9756), (642, 9885), (665, 9912), (666, 9915),

Gene: Feastonyeet_3 Start: 928, Stop: 2604, Start Num: 103

Candidate Starts for Feastonyeet_3:

(Start: 103 @928 has 70 MA's), (Start: 132 @979 has 1 MA's), (141, 1000), (167, 1045), (180, 1087), (191, 1123), (210, 1189), (243, 1285), (252, 1321), (258, 1330), (259, 1333), (273, 1381), (279, 1393), (302, 1480), (349, 1660), (363, 1714), (409, 1894), (416, 1927), (459, 1993), (473, 2059), (476, 2065), (512, 2149), (537, 2230), (544, 2263), (569, 2332), (605, 2410), (619, 2452), (632, 2509), (637, 2530), (641, 2536), (666, 2590), (668, 2593),

Gene: FeliMaine_37 Start: 11121, Stop: 12863, Start Num: 103

Candidate Starts for FeliMaine_37:

(Start: 103 @11121 has 70 MA's), (166, 11238), (180, 11283), (195, 11349), (196, 11364), (201, 11397), (202, 11400), (207, 11415), (214, 11439), (216, 11442), (230, 11472), (236, 11493), (239, 11511), (242, 11520), (249, 11556), (258, 11571), (273, 11616), (292, 11658), (298, 11697), (302, 11709), (304, 11730), (317, 11781), (328, 11802), (390, 12024), (416, 12129), (419, 12138), (450, 12171), (459, 12192), (460, 12195), (465, 12222), (470, 12252), (476, 12264), (481, 12279), (486, 12288), (488, 12294), (506, 12336), (508, 12345), (514, 12360), (519, 12375), (537, 12435), (544, 12474), (552, 12507), (567, 12537), (568, 12540), (590, 12624), (605, 12678), (610, 12693), (619, 12720), (630, 12774), (665, 12846), (666, 12849),

Gene: Fernando_13 Start: 6955, Stop: 8655, Start Num: 57

Candidate Starts for Fernando_13:

(Start: 57 @6955 has 139 MA's), (Start: 89 @7003 has 4 MA's), (166, 7138), (230, 7330), (258, 7417), (268, 7453), (310, 7615), (336, 7705), (356, 7768), (395, 7930), (470, 8128), (480, 8152), (481, 8155), (512, 8218), (519, 8239), (530, 8278), (556, 8374), (577, 8428), (598, 8464), (642, 8611), (666, 8641), (668, 8644),

Gene: Fibonacci_12 Start: 8027, Stop: 9790, Start Num: 55

Candidate Starts for Fibonacci_12:

(Start: 55 @8027 has 222 MA's), (Start: 72 @8048 has 5 MA's), (123, 8135), (164, 8264), (172, 8288), (191, 8351), (241, 8495), (256, 8546), (258, 8549), (295, 8660), (300, 8684), (301, 8687), (310, 8750), (313, 8759), (316, 8774), (352, 8891), (357, 8906), (368, 8966), (392, 9050), (443, 9191), (476, 9278), (480, 9290), (507, 9338), (512, 9353), (523, 9392), (530, 9413), (540, 9452), (551, 9497), (556, 9509), (642, 9746), (665, 9773),

Gene: Filuzino_2 Start: 588, Stop: 2225, Start Num: 88

Candidate Starts for Filuzino_2:

(Start: 88 @588 has 156 MA's), (94, 603), (Start: 101 @612 has 3 MA's), (Start: 105 @618 has 1 MA's), (Start: 121 @645 has 1 MA's), (Start: 134 @669 has 2 MA's), (136, 672), (168, 735), (174, 753), (184, 774), (208, 861), (209, 867), (224, 921), (233, 933), (238, 945), (241, 954), (242, 957), (245, 978), (251, 999), (260, 1014), (276, 1071), (292, 1110), (303, 1179), (306, 1185), (314, 1215), (315, 1218), (316, 1227), (322, 1242), (328, 1260), (339, 1311), (367, 1413), (422, 1584), (435, 1596), (449, 1614), (470, 1680), (483, 1710), (485, 1713), (487, 1716), (512, 1773), (517, 1788), (519, 1794), (520, 1797), (523, 1812), (529, 1821), (545, 1890), (554, 1920), (558, 1929), (571, 1962), (583, 1995), (597, 2022), (611, 2055), (618, 2082), (619, 2085), (623, 2106), (627, 2130), (630, 2139), (632, 2142), (660, 2199),

Gene: Firehouse51_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Firehouse51_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: FiringLine_12 Start: 7386, Stop: 9173, Start Num: 55

Candidate Starts for FiringLine_12:

(Start: 55 @7386 has 222 MA's), (123, 7494), (133, 7515), (164, 7623), (212, 7785), (256, 7905), (258, 7908), (295, 8016), (310, 8106), (316, 8130), (352, 8247), (357, 8262), (439, 8562), (516, 8748), (523, 8775), (530, 8796), (556, 8892), (642, 9129), (665, 9156), (666, 9159),

Gene: First_0012 Start: 7443, Stop: 9233, Start Num: 55

Candidate Starts for First_0012:

(12, 7269), (Start: 55 @7443 has 222 MA's), (123, 7551), (133, 7572), (164, 7680), (256, 7965), (258, 7968), (295, 8076), (310, 8166), (316, 8190), (352, 8307), (357, 8322), (439, 8622), (516, 8808), (523, 8835), (530, 8856), (556, 8952), (642, 9189), (665, 9216), (666, 9219),

Gene: Flapper_28 Start: 13656, Stop: 15332, Start Num: 84

Candidate Starts for Flapper_28:

(Start: 84 @13656 has 10 MA's), (167, 13806), (184, 13863), (192, 13890), (197, 13902), (202, 13932), (241, 14052), (314, 14316), (322, 14343), (367, 14511), (371, 14523), (381, 14556), (408, 14634), (447, 14715), (470, 14784), (487, 14820), (496, 14850), (520, 14931), (523, 14946), (540, 15006), (558, 15054), (627, 15240), (636, 15270), (658, 15303),

Gene: Flare16_12 Start: 7484, Stop: 9271, Start Num: 55

Candidate Starts for Flare16_12:

(10, 7298), (27, 7400), (Start: 55 @7484 has 222 MA's), (123, 7592), (133, 7613), (164, 7721), (258, 8006), (295, 8114), (310, 8204), (316, 8228), (352, 8345), (357, 8360), (470, 8747), (523, 8873), (530, 8894), (551, 8978), (556, 8990), (642, 9227), (665, 9254), (666, 9257), (668, 9260), (669, 9263),

Gene: Flaverint_12 Start: 8024, Stop: 9787, Start Num: 55

Candidate Starts for Flaverint_12:

(22, 7904), (Start: 55 @8024 has 222 MA's), (Start: 72 @8045 has 5 MA's), (123, 8132), (164, 8261), (172, 8285), (191, 8348), (241, 8492), (256, 8543), (258, 8546), (295, 8657), (300, 8681), (301, 8684), (310, 8747), (313, 8756), (316, 8771), (352, 8888), (357, 8903), (368, 8963), (392, 9047), (476, 9275), (480, 9287), (507, 9335), (512, 9350), (523, 9389), (530, 9410), (540, 9449), (551, 9494), (556, 9506), (642, 9743), (665, 9770),

Gene: Float294_26 Start: 13266, Stop: 14945, Start Num: 84

Candidate Starts for Float294_26:

(Start: 84 @13266 has 10 MA's), (167, 13416), (184, 13473), (192, 13500), (197, 13512), (205, 13551), (212, 13584), (314, 13926), (322, 13953), (367, 14121), (371, 14133), (381, 14166), (408, 14244), (458, 14346), (496, 14460), (520, 14541), (523, 14556), (537, 14598), (558, 14664), (562, 14676), (576, 14712), (595, 14739), (618, 14808), (619, 14811), (636, 14880),

Gene: Floof_2 Start: 634, Stop: 2388, Start Num: 68

Candidate Starts for Floof_2:

(Start: 68 @634 has 32 MA's), (176, 820), (235, 1000), (248, 1051), (258, 1069), (302, 1219), (336, 1351), (390, 1558), (473, 1810), (507, 1888), (512, 1903), (537, 1984), (556, 2059), (563, 2074), (624, 2278), (630, 2299), (634, 2311),

Gene: Floral_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for Floral_2:

(Start: 57 @485 has 139 MA's), (140, 623), (149, 650), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (281, 1052), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (361, 1376), (363, 1382), (366, 1400), (371, 1415), (447, 1589), (460, 1616), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (560, 1961), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (666, 2270), (668, 2273),

Gene: Florean_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Florean_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Florinda_2 Start: 584, Stop: 2221, Start Num: 88

Candidate Starts for Florinda_2:

(Start: 88 @584 has 156 MA's), (94, 599), (Start: 101 @608 has 3 MA's), (Start: 105 @614 has 1 MA's), (Start: 121 @641 has 1 MA's), (Start: 134 @665 has 2 MA's), (136, 668), (168, 731), (174, 749), (184, 770), (208, 857), (209, 863), (224, 917), (233, 929), (241, 950), (242, 953), (245, 974), (251, 995), (260, 1010), (276, 1067), (292, 1106), (303, 1175), (306, 1181), (314, 1211), (315, 1214), (316, 1223), (322, 1238), (328, 1256), (339, 1307), (367, 1409), (422, 1580), (435, 1592), (449, 1610), (470, 1676), (483, 1706), (485, 1709), (487, 1712), (512, 1769), (517, 1784), (519, 1790), (520, 1793), (523, 1808), (529, 1817), (545, 1886), (554, 1916), (558, 1925), (571, 1958), (578, 1979), (583, 1991), (597, 2018), (608, 2042), (611, 2051), (618, 2078), (619, 2081), (623, 2102), (627, 2126), (630, 2135), (632, 2138), (660, 2195),

Gene: Flux_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Flux_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: FlyCatcher_15 Start: 8301, Stop: 10001, Start Num: 54

Candidate Starts for FlyCatcher_15:

(Start: 54 @8301 has 363 MA's), (Start: 95 @8364 has 23 MA's), (176, 8508), (185, 8538), (198, 8571), (212, 8634), (258, 8757), (262, 8772), (295, 8865), (300, 8889), (310, 8955), (357, 9111), (380, 9210), (403, 9297), (411, 9330), (438, 9384), (446, 9399), (469, 9468), (470, 9471), (480, 9495), (516, 9573), (556, 9717), (573, 9762), (606, 9825), (632, 9924), (642, 9954), (666, 9987),

Gene: Footloose_2 Start: 428, Stop: 2197, Start Num: 42

Candidate Starts for Footloose_2:

(25, 362), (26, 371), (Start: 42 @428 has 7 MA's), (109, 542), (140, 596), (147, 614), (153, 629), (158, 650), (Start: 169 @683 has 2 MA's), (175, 701), (180, 719), (191, 755), (193, 758), (230, 866), (239, 893), (243, 908), (244, 914), (248, 935), (258, 953), (292, 1043), (310, 1139), (314, 1151), (321, 1178), (328, 1199), (336, 1238), (352, 1295), (356, 1307), (364, 1346), (370, 1373), (374, 1382), (389, 1403), (394, 1424), (398, 1436), (400, 1445), (445, 1550), (449, 1556), (460, 1580), (476, 1634), (481, 1649), (486, 1658), (488, 1664), (504, 1703), (520, 1745), (524, 1763), (532, 1808), (544, 1865), (552, 1913), (556, 1922), (599, 2021), (605, 2033), (614, 2057), (616, 2069), (627, 2120), (629, 2126), (634, 2141), (639, 2156), (641, 2159), (655, 2189),

Gene: ForGetIt_9 Start: 6005, Stop: 7783, Start Num: 29

Candidate Starts for ForGetIt_9:

(Start: 29 @6005 has 19 MA's), (Start: 32 @6032 has 30 MA's), (66, 6101), (Start: 90 @6140 has 1 MA's), (135, 6215), (139, 6221), (191, 6353), (212, 6428), (214, 6431), (262, 6566), (279, 6605), (287, 6629), (310, 6737), (324, 6782), (344, 6860), (346, 6866), (388, 7031), (397, 7064), (403, 7085), (470, 7259), (480, 7283), (481, 7286), (512, 7346), (516, 7358), (523, 7385), (530, 7406), (551, 7490), (556, 7502), (642, 7739), (668, 7772), (670, 7778),

Gene: Forsytheast_10 Start: 7010, Stop: 8698, Start Num: 54

Candidate Starts for Forsytheast_10:

(Start: 54 @7010 has 363 MA's), (Start: 169 @7190 has 2 MA's), (198, 7274), (205, 7310), (258, 7460), (295, 7568), (310, 7658), (316, 7682), (338, 7757), (360, 7826), (380, 7913), (395, 7973), (486, 8207), (490, 8219), (512, 8261), (519, 8282), (529, 8309), (556, 8417), (598, 8507), (627, 8612),

Gene: Foxboro_25 Start: 13660, Stop: 15387, Start Num: 81

Candidate Starts for Foxboro_25:

(9, 13426), (30, 13555), (Start: 81 @13660 has 11 MA's), (167, 13810), (183, 13861), (184, 13867), (197, 13906), (202, 13936), (209, 13960), (212, 13978), (219, 14005), (228, 14068), (233, 14086), (314, 14371), (322, 14398), (345, 14482), (367, 14566), (371, 14578), (381, 14611), (408, 14689), (444, 14767), (470, 14839), (485, 14872), (502, 14935), (512, 14962), (520, 14986), (529, 15010), (558, 15109), (576, 15157), (627, 15295), (636, 15325), (669, 15379),

Gene: Francis47_11 Start: 7247, Stop: 8935, Start Num: 54

Candidate Starts for Francis47_11:

(Start: 54 @7247 has 363 MA's), (198, 7511), (201, 7535), (258, 7697), (267, 7730), (295, 7805), (310, 7895), (316, 7919), (328, 7946), (338, 7994), (380, 8150), (395, 8210), (481, 8435), (486, 8444), (490, 8456), (512, 8498), (519, 8519), (529, 8546), (556, 8654), (598, 8744), (627, 8849),

Gene: Fred313_11 Start: 6199, Stop: 7896, Start Num: 54

Candidate Starts for Fred313_11:

(Start: 54 @6199 has 363 MA's), (102, 6271), (198, 6469), (250, 6643), (258, 6655), (269, 6694), (278, 6706), (295, 6763), (300, 6787), (310, 6853), (313, 6862), (336, 6943), (380, 7108), (397, 7174), (403, 7195), (409, 7219), (411, 7228), (443, 7294), (470, 7369), (480, 7393), (481, 7396), (484, 7402), (488, 7411), (512, 7459), (523, 7498), (530, 7519), (556, 7615), (573, 7660), (577, 7669), (632, 7822), (642, 7852), (666, 7882), (668, 7885),

Gene: FreddyB_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for FreddyB_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Fribs8_5 Start: 1777, Stop: 3477, Start Num: 103

Candidate Starts for Fribs8_5:

(Start: 103 @1777 has 70 MA's), (120, 1807), (141, 1849), (191, 1987), (205, 2035), (214, 2065), (230, 2098), (239, 2134), (243, 2149), (245, 2164), (258, 2194), (273, 2245), (302, 2344), (304, 2365), (327, 2434), (336, 2476), (345, 2506), (384, 2653), (394, 2704), (411, 2767), (416, 2791), (458, 2857), (465, 2890), (467, 2914), (469, 2917), (473, 2926), (481, 2947), (492, 2974), (512, 3019), (516, 3031), (518, 3037), (523, 3058), (533, 3097), (567, 3196), (579, 3232), (618, 3319), (637, 3400), (641, 3406), (666, 3463), (668, 3466),

Gene: Froghopper_12 Start: 6689, Stop: 8377, Start Num: 54

Candidate Starts for Froghopper_12:

(Start: 54 @6689 has 363 MA's), (Start: 169 @6869 has 2 MA's), (198, 6953), (205, 6989), (212, 7016), (258, 7139), (267, 7172), (295, 7247), (310, 7337), (316, 7361), (328, 7388), (338, 7436), (376, 7580), (380, 7592), (395, 7652), (481, 7877), (486, 7886), (490, 7898), (512, 7940), (519, 7961), (529, 7988), (556, 8096), (598, 8186), (627, 8291),

Gene: Fruitloop_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Fruitloop_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Funston_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Funston_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Fury_33 Start: 12931, Stop: 14610, Start Num: 82

Candidate Starts for Fury_33:

(Start: 82 @12931 has 25 MA's), (Start: 86 @12937 has 6 MA's), (143, 13042), (184, 13141), (197, 13180), (202, 13210), (209, 13234), (260, 13390), (314, 13591), (328, 13636), (367, 13786), (371, 13798), (485, 14092), (496, 14125), (520, 14206), (558, 14329), (562, 14341), (595, 14404), (618, 14473), (627, 14515), (636, 14545), (661, 14587), (669, 14602),

Gene: Fushigi_12 Start: 7411, Stop: 9099, Start Num: 61

Candidate Starts for Fushigi_12:

(Start: 61 @7411 has 24 MA's), (Start: 169 @7591 has 2 MA's), (198, 7675), (202, 7702), (205, 7711), (258, 7861), (267, 7894), (295, 7969), (310, 8059), (316, 8083), (328, 8110), (338, 8158), (360, 8227), (380, 8314), (395, 8374), (481, 8599), (486, 8608), (490, 8620), (512, 8662), (519, 8683), (529, 8710), (556, 8818), (598, 8908), (627, 9013),

Gene: GAL1_4 Start: 1617, Stop: 3242, Start Num: 88

Candidate Starts for GAL1_4:

(Start: 88 @1617 has 156 MA's), (Start: 121 @1677 has 1 MA's), (136, 1704), (150, 1743), (166, 1761), (174, 1785), (177, 1794), (197, 1845), (202, 1875), (209, 1899), (212, 1917), (224, 1953), (233, 1968), (241, 1989), (253, 2037), (255, 2040), (257, 2043), (265, 2073), (290, 2139), (311, 2241), (314, 2250), (316, 2262), (328, 2295), (358, 2397), (365, 2436), (371, 2457), (381, 2490), (408, 2568), (409, 2574), (418, 2613), (420, 2619), (458, 2673), (464, 2700), (469, 2718), (470, 2721), (471, 2724), (488, 2763), (507, 2802), (512, 2817), (523, 2856), (529, 2865), (537, 2898), (543, 2928), (544, 2931), (558, 2964), (571, 2997), (576, 3012), (594, 3036), (608, 3072), (616, 3102), (619, 3111), (627, 3150), (636, 3180), (645, 3198), (669, 3234),

Gene: GMA4_2 Start: 489, Stop: 2087, Start Num: 85

Candidate Starts for GMA4_2:

(Start: 85 @489 has 1 MA's), (124, 540), (Start: 142 @579 has 2 MA's), (172, 636), (191, 699), (193, 702), (198, 711), (203, 741), (220, 783), (248, 861), (258, 879), (292, 966), (302, 1017), (310, 1062), (313, 1071), (331, 1140), (356, 1218), (363, 1257), (371, 1290), (378, 1311), (403, 1365), (404, 1371), (409, 1389), (415, 1419), (419, 1431), (459, 1491), (473, 1542), (556, 1791), (583, 1860), (606, 1911), (634, 2016),

Gene: GMonster_10 Start: 6615, Stop: 8303, Start Num: 54

Candidate Starts for GMonster_10:

(Start: 54 @6615 has 363 MA's), (198, 6879), (201, 6903), (258, 7065), (267, 7098), (295, 7173), (310, 7263), (316, 7287), (328, 7314), (338, 7362), (360, 7431), (380, 7518), (383, 7527), (395, 7578), (486, 7812), (490, 7824), (512, 7866), (519, 7887), (529, 7914), (556, 8022), (598, 8112), (627, 8217),

Gene: GRU1_terL Start: 5541, Stop: 7217, Start Num: 84

Candidate Starts for GRU1_terL:

(Start: 84 @5541 has 10 MA's), (167, 5691), (184, 5748), (192, 5775), (197, 5787), (202, 5817), (241, 5937), (314, 6201), (322, 6228), (345, 6312), (348, 6324), (367, 6396), (371, 6408), (381, 6441), (408, 6519), (447, 6600), (460, 6627), (470, 6669), (487, 6705), (496, 6735), (520, 6816), (523, 6831), (558, 6939), (627, 7125), (636, 7155),

Gene: GTE2_02 Start: 803, Stop: 2482, Start Num: 103

Candidate Starts for GTE2_02:

(Start: 103 @803 has 70 MA's), (Start: 132 @854 has 1 MA's), (141, 875), (167, 920), (204, 1046), (207, 1055), (210, 1067), (212, 1076), (243, 1163), (252, 1199), (258, 1208), (273, 1259), (302, 1358), (313, 1412), (327, 1448), (363, 1592), (373, 1628), (384, 1667), (390, 1700), (419, 1814), (442, 1838), (473, 1937), (510, 2021), (537, 2108), (567, 2204), (591, 2252), (599, 2276), (618, 2327), (637, 2408), (666, 2468), (668, 2471),

Gene: GTE5_terL Start: 6550, Stop: 8226, Start Num: 84

Candidate Starts for GTE5_terL:

(Start: 84 @6550 has 10 MA's), (167, 6700), (184, 6757), (192, 6784), (197, 6796), (202, 6826), (314, 7210), (322, 7237), (367, 7405), (371, 7417), (381, 7450), (408, 7528), (447, 7609), (470, 7678), (487, 7714), (496, 7744), (520, 7825), (523, 7840), (540, 7900), (558, 7948), (627, 8134), (636, 8164),

Gene: GTE8_13 Start: 6443, Stop: 8170, Start Num: 81

Candidate Starts for GTE8_13:

(30, 6338), (Start: 81 @6443 has 11 MA's), (167, 6593), (183, 6644), (184, 6650), (197, 6689), (202, 6719), (233, 6869), (314, 7154), (322, 7181), (345, 7265), (367, 7349), (371, 7361), (381, 7394), (408, 7472), (470, 7622), (485, 7655), (520, 7769), (537, 7826), (558, 7892), (576, 7940), (627, 8078), (636, 8108),

Gene: GUmbie_2 Start: 588, Stop: 2225, Start Num: 88

Candidate Starts for GUmbie_2:

(Start: 88 @588 has 156 MA's), (94, 603), (Start: 101 @612 has 3 MA's), (Start: 105 @618 has 1 MA's), (Start: 121 @645 has 1 MA's), (Start: 134 @669 has 2 MA's), (136, 672), (168, 735), (174, 753), (184, 774), (208, 861), (209, 867), (224, 921), (233, 933), (238, 945), (241, 954), (242, 957), (245, 978), (251, 999), (260, 1014), (276, 1071), (292, 1110), (303, 1179), (306, 1185), (314, 1215), (315, 1218), (316, 1227), (322, 1242), (328, 1260), (339, 1311), (367, 1413), (422, 1584), (435, 1596), (449, 1614), (470, 1680), (483, 1710), (485, 1713), (487, 1716), (512, 1773), (517, 1788), (519, 1794), (520, 1797), (523, 1812), (529, 1821), (545, 1890), (554, 1920), (571, 1962), (577, 1980), (583, 1995), (597, 2022), (611, 2055), (618, 2082), (619, 2085), (623, 2106), (627, 2130), (630, 2139), (632, 2142), (660, 2199),

Gene: Gadost_11 Start: 6888, Stop: 8585, Start Num: 54

Candidate Starts for Gadost_11:

(Start: 54 @6888 has 363 MA's), (Start: 74 @6912 has 1 MA's), (Start: 142 @7035 has 2 MA's), (185, 7125), (198, 7158), (230, 7257), (256, 7341), (258, 7344), (269, 7383), (295, 7452), (300, 7476), (310, 7542), (336, 7632), (380, 7797), (403, 7884), (411, 7917), (443, 7983), (469, 8055), (470, 8058), (480, 8082), (507, 8133), (512, 8148), (523, 8187), (530, 8208), (556, 8304), (642, 8541), (666, 8571), (668, 8574),

Gene: GageAP_13 Start: 7736, Stop: 9424, Start Num: 61

Candidate Starts for GageAP_13:

(Start: 61 @7736 has 24 MA's), (Start: 169 @7916 has 2 MA's), (198, 8000), (202, 8027), (205, 8036), (258, 8186), (267, 8219), (295, 8294), (310, 8384), (316, 8408), (328, 8435), (338, 8483), (360, 8552), (380, 8639), (395, 8699), (481, 8924), (486, 8933), (490, 8945), (512, 8987), (519, 9008), (529, 9035), (556, 9143), (598, 9233), (627, 9338),

Gene: Gail_11 Start: 6548, Stop: 8305, Start Num: 55

Candidate Starts for Gail_11:

(Start: 55 @6548 has 222 MA's), (Start: 72 @6569 has 5 MA's), (126, 6656), (139, 6680), (154, 6734), (157, 6746), (158, 6755), (164, 6779), (180, 6830), (256, 7061), (258, 7064), (295, 7175), (300, 7199), (310, 7265), (316, 7289), (336, 7355), (357, 7421), (383, 7529), (402, 7604), (470, 7781), (476, 7793), (480, 7805), (481, 7808), (484, 7814), (512, 7868), (530, 7928), (556, 8024), (583, 8093), (642, 8261), (665, 8288),

Gene: Galactic_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Galactic_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 121 @628 has 1 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (260, 997), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (577, 1963), (583, 1978), (597, 2005), (611, 2038), (618, 2065), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Gambol_2 Start: 593, Stop: 2281, Start Num: 79

Candidate Starts for Gambol_2:

(Start: 79 @593 has 10 MA's), (187, 794), (235, 938), (243, 962), (258, 1007), (291, 1094), (302, 1148), (309, 1187), (346, 1322), (371, 1424), (412, 1535), (457, 1646), (470, 1697), (556, 1952), (563, 1967), (630, 2192), (634, 2204), (638, 2219),

Gene: Gandalf20_12 Start: 7804, Stop: 9492, Start Num: 54

Candidate Starts for Gandalf20_12:

(Start: 54 @7804 has 363 MA's), (Start: 169 @7984 has 2 MA's), (198, 8068), (205, 8104), (212, 8131), (258, 8254), (295, 8362), (310, 8452), (316, 8476), (338, 8551), (380, 8707), (395, 8767), (481, 8992), (486, 9001), (490, 9013), (512, 9055), (519, 9076), (529, 9103), (556, 9211), (598, 9301), (627, 9406),

Gene: Gandalph_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Gandalph_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Garak_16 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for Garak_16:

(Start: 55 @7533 has 222 MA's), (139, 7665), (164, 7764), (172, 7788), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (262, 8064), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (356, 8400), (357, 8403), (386, 8514), (438, 8676), (470, 8763), (476, 8775), (480, 8787), (507, 8835), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: GardenState_2 Start: 501, Stop: 2183, Start Num: 68

Candidate Starts for GardenState_2:

(Start: 68 @501 has 32 MA's), (108, 555), (212, 798), (235, 852), (258, 921), (267, 957), (367, 1317), (556, 1857), (634, 2109),

Gene: Gattaca_34 Start: 10300, Stop: 12042, Start Num: 103

Candidate Starts for Gattaca_34:

(Start: 103 @10300 has 70 MA's), (166, 10417), (180, 10462), (195, 10528), (196, 10543), (201, 10576), (202, 10579), (207, 10594), (214, 10618), (216, 10621), (230, 10651), (236, 10672), (239, 10690), (242, 10699), (249, 10735), (258, 10750), (273, 10795), (292, 10837), (298, 10876), (302, 10888), (304, 10909), (317, 10960), (328, 10981), (390, 11203), (416, 11308), (419, 11317), (450, 11350), (459, 11371), (460, 11374), (465, 11401), (470, 11431), (476, 11443), (481, 11458), (486, 11467), (488, 11473), (506, 11515), (508, 11524), (514, 11539), (519, 11554), (537, 11614), (544, 11653), (552, 11686), (567, 11716), (568, 11719), (590, 11803), (605, 11857), (610, 11872), (619, 11899), (630, 11953), (665, 12025), (666, 12028),

Gene: GaugeLDP_14 Start: 8787, Stop: 10547, Start Num: 55

Candidate Starts for GaugeLDP_14:

(Start: 55 @8787 has 222 MA's), (123, 8895), (133, 8916), (161, 9006), (164, 9024), (256, 9306), (258, 9309), (269, 9348), (295, 9417), (310, 9507), (316, 9531), (346, 9630), (356, 9660), (357, 9663), (443, 9948), (470, 10023), (476, 10035), (480, 10047), (516, 10122), (524, 10152), (530, 10170), (551, 10254), (556, 10266), (583, 10335), (642, 10503), (665, 10530), (666, 10533),

Gene: Geeche_29 Start: 8502, Stop: 10250, Start Num: 95

Candidate Starts for Geeche_29:

(Start: 95 @8502 has 23 MA's), (112, 8532), (177, 8661), (225, 8847), (233, 8886), (242, 8910), (256, 8958), (264, 8985), (274, 9015), (327, 9207), (330, 9225), (370, 9387), (393, 9435), (398, 9450), (457, 9633), (459, 9639), (480, 9723), (515, 9810), (524, 9843), (555, 9957), (569, 9993), (577, 10017), (586, 10032), (646, 10206), (653, 10212),

Gene: Gemma_13 Start: 7029, Stop: 8729, Start Num: 57

Candidate Starts for Gemma_13:

(Start: 57 @7029 has 139 MA's), (Start: 89 @7077 has 4 MA's), (Start: 132 @7149 has 1 MA's), (166, 7212), (258, 7491), (310, 7689), (336, 7779), (356, 7842), (395, 8004), (470, 8202), (480, 8226), (481, 8229), (512, 8292), (516, 8304), (519, 8313), (523, 8331), (530, 8352), (556, 8448), (577, 8502), (598, 8538), (642, 8685), (666, 8715), (668, 8718),

Gene: George_8 Start: 6161, Stop: 7939, Start Num: 29

Candidate Starts for George_8:

(Start: 29 @6161 has 19 MA's), (Start: 32 @6188 has 30 MA's), (66, 6257), (135, 6371), (139, 6377), (191, 6509), (212, 6584), (214, 6587), (230, 6620), (241, 6653), (279, 6761), (287, 6785), (295, 6818), (310, 6893), (324, 6938), (344, 7016), (346, 7022), (397, 7220), (403, 7241), (470, 7415), (480, 7439), (481, 7442), (512, 7502), (516, 7514), (523, 7541), (530, 7562), (551, 7646), (556, 7658), (642, 7895), (668, 7928), (670, 7934),

Gene: Georgie2_13 Start: 7387, Stop: 9174, Start Num: 55

Candidate Starts for Georgie2_13:

(Start: 55 @7387 has 222 MA's), (123, 7495), (133, 7516), (164, 7624), (212, 7786), (256, 7906), (258, 7909), (295, 8017), (310, 8107), (316, 8131), (352, 8248), (357, 8263), (439, 8563), (516, 8749), (523, 8776), (530, 8797), (556, 8893), (642, 9130), (665, 9157), (666, 9160),

Gene: Geralt_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Geralt_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Ghouboy_9 Start: 6238, Stop: 8016, Start Num: 29

Candidate Starts for Ghouboy_9:

(Start: 29 @6238 has 19 MA's), (Start: 32 @6265 has 30 MA's), (66, 6334), (Start: 90 @6373 has 1 MA's), (135, 6448), (139, 6454), (191, 6586), (212, 6661), (214, 6664), (241, 6730), (279, 6838), (287, 6862), (310, 6970), (324, 7015), (344, 7093), (346, 7099), (347, 7102), (388, 7264), (390, 7270), (397, 7297), (470, 7492), (480, 7516), (512, 7579), (516, 7591), (523, 7618), (530, 7639), (544, 7693), (551, 7723), (556, 7735), (642, 7972), (668, 8005), (670, 8011),

Gene: GiKK_7 Start: 1487, Stop: 3187, Start Num: 100

Candidate Starts for GiKK_7:

(Start: 100 @1487 has 9 MA's), (Start: 132 @1541 has 1 MA's), (141, 1562), (152, 1589), (182, 1664), (191, 1700), (214, 1778), (241, 1853), (245, 1877), (258, 1907), (273, 1958), (302, 2057), (327, 2147), (349, 2237), (363, 2291), (384, 2366), (411, 2480), (416, 2504), (457, 2564), (459, 2570), (473, 2636), (476, 2642), (512, 2726), (519, 2747), (537, 2807), (538, 2813), (546, 2846), (596, 2969), (606, 2990), (629, 3080), (630, 3083), (641, 3113), (666, 3173), (668, 3176),

Gene: Gibbous_4 Start: 1229, Stop: 2923, Start Num: 103

Candidate Starts for Gibbous_4:

(Start: 103 @1229 has 70 MA's), (120, 1259), (139, 1292), (141, 1301), (191, 1439), (243, 1601), (245, 1616), (258, 1646), (263, 1667), (273, 1697), (295, 1766), (298, 1784), (302, 1796), (304, 1817), (327, 1886), (336, 1928), (384, 2105), (394, 2156), (411, 2219), (416, 2243), (442, 2276), (458, 2309), (473, 2378), (506, 2453), (508, 2462), (512, 2471), (516, 2483), (518, 2489), (523, 2510), (567, 2648), (618, 2771), (637, 2852), (666, 2909), (668, 2912),

Gene: GigiOuiOui_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for GigiOuiOui_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Gilberta_12 Start: 8021, Stop: 9784, Start Num: 55

Candidate Starts for Gilberta_12:

(Start: 55 @8021 has 222 MA's), (Start: 72 @8042 has 5 MA's), (123, 8129), (164, 8258), (172, 8282), (191, 8345), (241, 8489), (256, 8540), (258, 8543), (295, 8654), (300, 8678), (301, 8681), (310, 8744), (313, 8753), (316, 8768), (352, 8885), (357, 8900), (368, 8960), (392, 9044), (476, 9272), (480, 9284), (507, 9332), (512, 9347), (523, 9386), (530, 9407), (540, 9446), (551, 9491), (556, 9503), (642, 9740), (665, 9767),

Gene: GingkoMaracino_13 Start: 6843, Stop: 8543, Start Num: 57

Candidate Starts for GingkoMaracino_13:

(Start: 57 @6843 has 139 MA's), (Start: 89 @6891 has 4 MA's), (Start: 132 @6963 has 1 MA's), (166, 7026), (230, 7218), (258, 7305), (310, 7503), (336, 7593), (356, 7656), (395, 7818), (470, 8016), (480, 8040), (481, 8043), (512, 8106), (519, 8127), (530, 8166), (556, 8262), (577, 8316), (598, 8352), (642, 8499), (666, 8529), (668, 8532),

Gene: Giorgio_2 Start: 595, Stop: 2283, Start Num: 79

Candidate Starts for Giorgio_2:

(Start: 79 @595 has 10 MA's), (235, 940), (243, 964), (258, 1009), (291, 1096), (302, 1150), (309, 1189), (346, 1324), (371, 1426), (457, 1648), (470, 1699), (546, 1918), (556, 1954), (563, 1969), (630, 2194), (634, 2206), (638, 2221), (668, 2272),

Gene: GirlDinner_6 Start: 2186, Stop: 3832, Start Num: 53

Candidate Starts for GirlDinner_6:

(Start: 53 @2186 has 92 MA's), (187, 2429), (191, 2444), (198, 2456), (239, 2582), (248, 2624), (250, 2630), (259, 2645), (292, 2732), (304, 2804), (310, 2828), (339, 2927), (349, 2963), (357, 2981), (398, 3104), (407, 3140), (476, 3302), (479, 3311), (507, 3374), (523, 3428), (546, 3509), (556, 3548), (567, 3569), (573, 3593), (629, 3746), (630, 3749),

Gene: Giroux_11 Start: 6496, Stop: 8193, Start Num: 54

Candidate Starts for Giroux_11:

(Start: 54 @6496 has 363 MA's), (Start: 74 @6520 has 1 MA's), (102, 6568), (198, 6766), (212, 6829), (250, 6940), (258, 6952), (269, 6991), (278, 7003), (295, 7060), (300, 7084), (310, 7150), (313, 7159), (336, 7240), (344, 7267), (380, 7405), (403, 7492), (411, 7525), (443, 7591), (470, 7666), (480, 7690), (481, 7693), (484, 7699), (488, 7708), (507, 7741), (512, 7756), (530, 7816), (556, 7912), (573, 7957),

(577, 7966), (632, 8119), (642, 8149), (666, 8179), (668, 8182),

Gene: Girr_2 Start: 573, Stop: 2210, Start Num: 88

Candidate Starts for Girr_2:

(Start: 88 @573 has 156 MA's), (91, 582), (Start: 101 @597 has 3 MA's), (Start: 114 @618 has 1 MA's), (Start: 134 @654 has 2 MA's), (136, 657), (143, 675), (168, 720), (184, 759), (208, 846), (224, 906), (238, 930), (241, 939), (242, 942), (245, 963), (251, 984), (260, 999), (276, 1056), (292, 1095), (303, 1164), (306, 1170), (314, 1200), (315, 1203), (316, 1212), (322, 1227), (328, 1245), (339, 1296), (365, 1389), (367, 1398), (422, 1569), (435, 1581), (470, 1665), (483, 1695), (485, 1698), (487, 1701), (512, 1758), (517, 1773), (519, 1779), (520, 1782), (523, 1797), (529, 1806), (545, 1875), (554, 1905), (558, 1914), (571, 1947), (583, 1980), (597, 2007), (611, 2040), (619, 2070), (623, 2091), (627, 2115), (630, 2124), (632, 2127), (660, 2184),

Gene: Gladiator_15 Start: 7507, Stop: 9261, Start Num: 55

Candidate Starts for Gladiator_15:

(Start: 55 @7507 has 222 MA's), (139, 7639), (164, 7738), (172, 7762), (180, 7789), (191, 7825), (212, 7900), (258, 8023), (262, 8038), (269, 8062), (295, 8131), (300, 8155), (301, 8158), (310, 8221), (316, 8245), (356, 8374), (357, 8377), (386, 8488), (438, 8650), (470, 8737), (476, 8749), (480, 8761), (507, 8809), (512, 8824), (530, 8884), (551, 8968), (556, 8980), (642, 9217), (665, 9244), (666, 9247),

Gene: Goby_6 Start: 2377, Stop: 4023, Start Num: 53

Candidate Starts for Goby_6:

(Start: 53 @2377 has 92 MA's), (Start: 68 @2395 has 32 MA's), (180, 2599), (191, 2635), (248, 2815), (259, 2836), (292, 2923), (304, 2995), (310, 3019), (339, 3118), (344, 3133), (352, 3157), (354, 3163), (407, 3331), (431, 3391), (470, 3481), (479, 3502), (516, 3592), (530, 3640), (556, 3739), (567, 3760), (569, 3766), (573, 3784), (630, 3940),

Gene: Godpower_7 Start: 2380, Stop: 4026, Start Num: 53

Candidate Starts for Godpower_7:

(Start: 53 @2380 has 92 MA's), (Start: 68 @2398 has 32 MA's), (180, 2602), (191, 2638), (248, 2818), (259, 2839), (292, 2926), (304, 2998), (310, 3022), (339, 3121), (344, 3136), (352, 3160), (354, 3166), (407, 3334), (470, 3484), (479, 3505), (516, 3595), (546, 3703), (556, 3742), (567, 3763), (569, 3769), (573, 3787), (630, 3943),

Gene: GoldHunter_5 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for GoldHunter_5:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (Start: 142 @1188 has 2 MA's), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (384, 1977), (390, 2010), (403, 2058), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: Gollum_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Gollum_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Gompeii16_11 Start: 7207, Stop: 8895, Start Num: 54

Candidate Starts for Gompeii16_11:

(Start: 54 @7207 has 363 MA's), (198, 7471), (201, 7495), (258, 7657), (267, 7690), (295, 7765), (310, 7855), (316, 7879), (328, 7906), (338, 7954), (380, 8110), (395, 8170), (481, 8395), (486, 8404), (490,

8416), (512, 8458), (519, 8479), (529, 8506), (556, 8614), (598, 8704), (627, 8809),

Gene: GoongGoong_34 Start: 10340, Stop: 12082, Start Num: 103

Candidate Starts for GoongGoong_34:

(Start: 103 @10340 has 70 MA's), (166, 10457), (180, 10502), (195, 10568), (196, 10583), (201, 10616), (202, 10619), (207, 10634), (214, 10658), (216, 10661), (230, 10691), (236, 10712), (239, 10730), (242, 10739), (249, 10775), (258, 10790), (273, 10835), (292, 10877), (298, 10916), (302, 10928), (304, 10949), (317, 11000), (328, 11021), (390, 11243), (416, 11348), (419, 11357), (450, 11390), (459, 11411), (460, 11414), (465, 11441), (470, 11471), (476, 11483), (481, 11498), (486, 11507), (488, 11513), (506, 11555), (508, 11564), (514, 11579), (519, 11594), (537, 11654), (544, 11693), (552, 11726), (567, 11756), (568, 11759), (590, 11843), (605, 11897), (610, 11912), (619, 11939), (630, 11993), (665, 12065), (666, 12068),

Gene: Goose_11 Start: 6707, Stop: 8380, Start Num: 54

Candidate Starts for Goose_11:

(Start: 54 @6707 has 363 MA's), (Start: 142 @6836 has 2 MA's), (175, 6902), (198, 6968), (208, 7013), (230, 7067), (243, 7109), (258, 7154), (269, 7193), (292, 7241), (295, 7262), (300, 7286), (310, 7337), (346, 7460), (363, 7529), (387, 7607), (399, 7667), (411, 7712), (443, 7778), (469, 7850), (470, 7853), (480, 7877), (512, 7943), (523, 7982), (524, 7985), (530, 8003), (556, 8099), (583, 8168), (642, 8336), (666, 8366), (668, 8369),

Gene: Gorge_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Gorge_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (358, 1346), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Graduation_13 Start: 7769, Stop: 9457, Start Num: 54

Candidate Starts for Graduation_13:

(Start: 54 @7769 has 363 MA's), (198, 8033), (201, 8057), (258, 8219), (267, 8252), (295, 8327), (310, 8417), (316, 8441), (338, 8516), (380, 8672), (383, 8681), (394, 8729), (395, 8732), (481, 8957), (486, 8966), (490, 8978), (512, 9020), (519, 9041), (529, 9068), (556, 9176), (598, 9266), (627, 9371),

Gene: Gratitude_13 Start: 7926, Stop: 9713, Start Num: 55

Candidate Starts for Gratitude_13:

(10, 7740), (27, 7842), (Start: 55 @7926 has 222 MA's), (123, 8034), (133, 8055), (161, 8145), (164, 8163), (241, 8394), (256, 8445), (258, 8448), (295, 8556), (310, 8646), (316, 8670), (357, 8802), (470, 9189), (523, 9315), (530, 9336), (551, 9420), (556, 9432), (642, 9669), (665, 9696), (666, 9699), (668, 9702), (669, 9705),

Gene: GrecoEtereo_12 Start: 7307, Stop: 8995, Start Num: 54

Candidate Starts for GrecoEtereo_12:

(Start: 54 @7307 has 363 MA's), (198, 7571), (201, 7595), (258, 7757), (267, 7790), (295, 7865), (310, 7955), (316, 7979), (328, 8006), (338, 8054), (360, 8123), (380, 8210), (395, 8270), (486, 8504), (512, 8558), (519, 8579), (529, 8606), (556, 8714), (598, 8804), (627, 8909),

Gene: GreedyLawyer_15 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for GreedyLawyer_15:

(Start: 55 @7533 has 222 MA's), (164, 7764), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (346, 8370), (347, 8373), (356, 8400), (357, 8403), (443, 8688), (476, 8775), (480, 8787), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: Greg_13 Start: 7320, Stop: 9008, Start Num: 61

Candidate Starts for Greg_13:

(Start: 61 @7320 has 24 MA's), (166, 7491), (Start: 169 @7500 has 2 MA's), (198, 7584), (202, 7611), (205, 7620), (258, 7770), (267, 7803), (295, 7878), (310, 7968), (316, 7992), (328, 8019), (338, 8067), (380, 8223), (395, 8283), (486, 8517), (512, 8571), (519, 8592), (529, 8619), (556, 8727), (598, 8817), (627, 8922),

Gene: Gretchen_2 Start: 640, Stop: 2388, Start Num: 68

Candidate Starts for Gretchen_2:

(Start: 68 @640 has 32 MA's), (Start: 88 @658 has 156 MA's), (235, 1000), (248, 1051), (258, 1069), (289, 1162), (302, 1219), (412, 1642), (470, 1804), (473, 1810), (537, 1984), (556, 2059), (563, 2074), (588, 2155), (624, 2278), (630, 2299), (634, 2311),

Gene: Grif_13 Start: 7040, Stop: 8740, Start Num: 57

Candidate Starts for Grif_13:

(Start: 57 @7040 has 139 MA's), (Start: 89 @7088 has 4 MA's), (166, 7223), (230, 7415), (258, 7502), (310, 7700), (336, 7790), (356, 7853), (395, 8015), (470, 8213), (480, 8237), (481, 8240), (512, 8303), (519, 8324), (530, 8363), (556, 8459), (577, 8513), (598, 8549), (642, 8696), (666, 8726), (668, 8729),

Gene: Grimmer_3 Start: 1235, Stop: 2872, Start Num: 88

Candidate Starts for Grimmer_3:

(Start: 86 @1232 has 6 MA's), (Start: 88 @1235 has 156 MA's), (Start: 101 @1259 has 3 MA's), (Start: 105 @1265 has 1 MA's), (Start: 114 @1280 has 1 MA's), (Start: 121 @1292 has 1 MA's), (Start: 134 @1316 has 2 MA's), (136, 1319), (168, 1382), (174, 1400), (184, 1421), (208, 1508), (209, 1514), (224, 1568), (233, 1580), (238, 1592), (241, 1601), (242, 1604), (245, 1625), (251, 1646), (276, 1718), (292, 1757), (303, 1826), (306, 1832), (314, 1862), (315, 1865), (316, 1874), (322, 1889), (328, 1907), (339, 1958), (367, 2060), (422, 2231), (435, 2243), (470, 2327), (483, 2357), (485, 2360), (487, 2363), (512, 2420), (517, 2435), (519, 2441), (520, 2444), (523, 2459), (529, 2468), (545, 2537), (554, 2567), (577, 2627), (583, 2642), (597, 2669), (611, 2702), (616, 2723), (618, 2729), (619, 2732), (623, 2753), (627, 2777), (630, 2786), (632, 2789), (660, 2846),

Gene: GrootJr_26 Start: 12510, Stop: 14237, Start Num: 81

Candidate Starts for GrootJr_26:

(9, 12276), (30, 12405), (Start: 81 @12510 has 11 MA's), (167, 12660), (183, 12711), (184, 12717), (197, 12756), (202, 12786), (209, 12810), (212, 12828), (219, 12855), (228, 12918), (233, 12936), (314, 13221), (322, 13248), (345, 13332), (367, 13416), (371, 13428), (381, 13461), (408, 13539), (444, 13617), (470, 13689), (485, 13722), (502, 13785), (512, 13812), (520, 13836), (529, 13860), (558, 13959), (576, 14007), (627, 14145), (636, 14175), (669, 14229),

Gene: Groundhog_8 Start: 5670, Stop: 7424, Start Num: 32

Candidate Starts for Groundhog_8:

(Start: 32 @5670 has 30 MA's), (49, 5712), (73, 5751), (139, 5859), (212, 6066), (287, 6267), (310, 6375), (346, 6504), (388, 6669), (397, 6702), (446, 6822), (470, 6897), (519, 7008), (523, 7026), (530, 7047), (544, 7101), (556, 7143), (605, 7248), (630, 7347), (642, 7380), (668, 7413), (670, 7419),

Gene: Groupthink_14 Start: 7029, Stop: 8729, Start Num: 57

Candidate Starts for Groupthink_14:

(Start: 57 @7029 has 139 MA's), (Start: 89 @7077 has 4 MA's), (Start: 132 @7149 has 1 MA's), (166, 7212), (258, 7491), (310, 7689), (336, 7779), (356, 7842), (395, 8004), (470, 8202), (480, 8226), (481, 8229), (512, 8292), (516, 8304), (519, 8313), (523, 8331), (530, 8352), (556, 8448), (577, 8502), (598, 8538), (642, 8685), (666, 8715), (668, 8718),

Gene: Grub_13 Start: 6949, Stop: 8649, Start Num: 57

Candidate Starts for Grub_13:

(Start: 57 @6949 has 139 MA's), (Start: 89 @6997 has 4 MA's), (166, 7132), (230, 7324), (258, 7411), (310, 7609), (336, 7699), (356, 7762), (395, 7924), (470, 8122), (480, 8146), (481, 8149), (512, 8212), (519, 8233), (530, 8272), (556, 8368), (577, 8422), (598, 8458), (642, 8605), (666, 8635), (668, 8638),

Gene: Grum1_13 Start: 6950, Stop: 8650, Start Num: 57

Candidate Starts for Grum1_13:

(Start: 57 @6950 has 139 MA's), (Start: 89 @6998 has 4 MA's), (166, 7133), (230, 7325), (258, 7412), (310, 7610), (336, 7700), (356, 7763), (395, 7925), (470, 8123), (480, 8147), (481, 8150), (512, 8213), (519, 8234), (530, 8273), (556, 8369), (577, 8423), (598, 8459), (642, 8606), (666, 8636), (668, 8639),

Gene: Gruunaga_15 Start: 7507, Stop: 9261, Start Num: 55

Candidate Starts for Gruunaga_15:

(Start: 55 @7507 has 222 MA's), (139, 7639), (164, 7738), (172, 7762), (180, 7789), (191, 7825), (212, 7900), (258, 8023), (262, 8038), (269, 8062), (295, 8131), (300, 8155), (301, 8158), (310, 8221), (316, 8245), (356, 8374), (357, 8377), (386, 8488), (438, 8650), (470, 8737), (476, 8749), (480, 8761), (507, 8809), (512, 8824), (530, 8884), (551, 8968), (556, 8980), (642, 9217), (665, 9244), (666, 9247),

Gene: GtownJaz_13 Start: 6958, Stop: 8658, Start Num: 57

Candidate Starts for GtownJaz_13:

(Start: 57 @6958 has 139 MA's), (Start: 89 @7006 has 4 MA's), (166, 7141), (230, 7333), (258, 7420), (310, 7618), (336, 7708), (356, 7771), (395, 7933), (470, 8131), (480, 8155), (481, 8158), (512, 8221), (519, 8242), (530, 8281), (556, 8377), (577, 8431), (598, 8467), (642, 8614), (666, 8644), (668, 8647),

Gene: Gumpizza_2 Start: 594, Stop: 2282, Start Num: 79

Candidate Starts for Gumpizza_2:

(Start: 79 @594 has 10 MA's), (187, 795), (235, 939), (258, 1008), (291, 1095), (302, 1149), (309, 1188), (346, 1323), (371, 1425), (457, 1647), (470, 1698), (546, 1917), (556, 1953), (563, 1968), (630, 2193), (634, 2205), (638, 2220), (668, 2271),

Gene: Guppsters_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Guppsters_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (577, 1979), (583, 1994), (597, 2021), (611, 2054), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: GuyFagieri_28 Start: 13785, Stop: 15458, Start Num: 82

Candidate Starts for GuyFagieri_28:

(Start: 82 @13785 has 25 MA's), (167, 13929), (177, 13959), (183, 13980), (206, 14067), (233, 14154), (241, 14175), (245, 14199), (255, 14226), (265, 14259), (289, 14325), (299, 14373), (314, 14436), (322, 14463), (359, 14592), (367, 14631), (371, 14643), (408, 14754), (421, 14805), (470, 14901), (471, 14904), (502, 15003), (516, 15042), (520, 15054), (523, 15069), (544, 15144), (558, 15177),

(571, 15210), (611, 15294), (616, 15315), (627, 15363), (663, 15438), (669, 15450),

Gene: Gwendoluna_13 Start: 8188, Stop: 9876, Start Num: 54

Candidate Starts for Gwendoluna_13:

(Start: 54 @8188 has 363 MA's), (198, 8452), (201, 8476), (258, 8638), (267, 8671), (310, 8836), (316, 8860), (328, 8887), (338, 8935), (380, 9091), (395, 9151), (486, 9385), (490, 9397), (512, 9439), (519, 9460), (529, 9487), (556, 9595), (598, 9685), (627, 9790),

Gene: Gyzlar_13 Start: 7950, Stop: 9638, Start Num: 61

Candidate Starts for Gyzlar_13:

(Start: 61 @7950 has 24 MA's), (Start: 169 @8130 has 2 MA's), (198, 8214), (202, 8241), (205, 8250), (258, 8400), (267, 8433), (295, 8508), (310, 8598), (316, 8622), (328, 8649), (338, 8697), (380, 8853), (395, 8913), (486, 9147), (490, 9159), (512, 9201), (519, 9222), (529, 9249), (556, 9357), (598, 9447), (627, 9552),

Gene: HINdeR_11 Start: 8169, Stop: 9863, Start Num: 54

Candidate Starts for HINdeR_11:

(Start: 54 @8169 has 363 MA's), (Start: 95 @8229 has 23 MA's), (180, 8388), (198, 8436), (212, 8499), (230, 8535), (241, 8568), (250, 8610), (256, 8619), (258, 8622), (262, 8637), (269, 8661), (295, 8730), (310, 8820), (313, 8829), (357, 8976), (380, 9075), (394, 9132), (403, 9162), (411, 9195), (438, 9249), (443, 9261), (452, 9270), (469, 9333), (470, 9336), (480, 9360), (515, 9435), (516, 9438), (530, 9486), (556, 9582), (632, 9789), (642, 9819), (666, 9849),

Gene: Hades_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Hades_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Haizum_6 Start: 2173, Stop: 3822, Start Num: 53

Candidate Starts for Haizum_6:

(Start: 53 @2173 has 92 MA's), (126, 2290), (172, 2371), (180, 2398), (198, 2446), (204, 2479), (210, 2500), (243, 2587), (248, 2614), (259, 2635), (277, 2680), (292, 2722), (304, 2794), (310, 2818), (339, 2917), (349, 2953), (357, 2971), (397, 3091), (398, 3094), (407, 3130), (446, 3211), (479, 3301), (484, 3313), (507, 3364), (523, 3418), (556, 3538), (567, 3559), (572, 3580), (573, 3583), (605, 3643), (630, 3739), (632, 3742), (670, 3817),

Gene: Halsey_2 Start: 594, Stop: 2282, Start Num: 79

Candidate Starts for Halsey_2:

(Start: 79 @594 has 10 MA's), (235, 939), (243, 963), (258, 1008), (291, 1095), (302, 1149), (309, 1188), (346, 1323), (371, 1425), (457, 1647), (470, 1698), (546, 1917), (556, 1953), (563, 1968), (630, 2193), (634, 2205), (638, 2220), (668, 2271),

Gene: HamSlice_10 Start: 6885, Stop: 8582, Start Num: 54

Candidate Starts for HamSlice_10:

(Start: 54 @6885 has 363 MA's), (Start: 74 @6909 has 1 MA's), (Start: 142 @7032 has 2 MA's), (185, 7122), (198, 7155), (230, 7254), (256, 7338), (258, 7341), (269, 7380), (295, 7449), (300, 7473), (310, 7539), (336, 7629), (380, 7794), (403, 7881), (411, 7914), (443, 7980), (469, 8052), (470, 8055), (480,

8079), (507, 8130), (512, 8145), (523, 8184), (530, 8205), (556, 8301), (642, 8538), (666, 8568), (668, 8571),

Gene: Hami1_13 Start: 7391, Stop: 9079, Start Num: 54

Candidate Starts for Hami1_13:

(Start: 54 @7391 has 363 MA's), (Start: 169 @7571 has 2 MA's), (198, 7655), (205, 7691), (258, 7841), (295, 7949), (310, 8039), (316, 8063), (338, 8138), (360, 8207), (380, 8294), (395, 8354), (481, 8579), (486, 8588), (490, 8600), (512, 8642), (519, 8663), (529, 8690), (556, 8798), (598, 8888), (627, 8993),

Gene: Hammer_15 Start: 7507, Stop: 9261, Start Num: 55

Candidate Starts for Hammer_15:

(Start: 55 @7507 has 222 MA's), (139, 7639), (164, 7738), (172, 7762), (180, 7789), (191, 7825), (212, 7900), (258, 8023), (262, 8038), (269, 8062), (295, 8131), (300, 8155), (301, 8158), (310, 8221), (316, 8245), (356, 8374), (357, 8377), (386, 8488), (438, 8650), (470, 8737), (476, 8749), (480, 8761), (507, 8809), (512, 8824), (523, 8863), (530, 8884), (551, 8968), (556, 8980), (642, 9217), (665, 9244), (666, 9247),

Gene: Hamulus_2 Start: 588, Stop: 2225, Start Num: 88

Candidate Starts for Hamulus_2:

(Start: 88 @588 has 156 MA's), (94, 603), (Start: 101 @612 has 3 MA's), (Start: 105 @618 has 1 MA's), (Start: 121 @645 has 1 MA's), (Start: 134 @669 has 2 MA's), (136, 672), (168, 735), (174, 753), (184, 774), (208, 861), (209, 867), (224, 921), (233, 933), (238, 945), (241, 954), (242, 957), (245, 978), (251, 999), (260, 1014), (276, 1071), (292, 1110), (303, 1179), (306, 1185), (314, 1215), (315, 1218), (316, 1227), (322, 1242), (328, 1260), (339, 1311), (367, 1413), (422, 1584), (435, 1596), (449, 1614), (470, 1680), (483, 1710), (485, 1713), (487, 1716), (512, 1773), (517, 1788), (519, 1794), (520, 1797), (523, 1812), (529, 1821), (545, 1890), (554, 1920), (558, 1929), (571, 1962), (583, 1995), (597, 2022), (611, 2055), (618, 2082), (619, 2085), (623, 2106), (627, 2130), (630, 2139), (632, 2142), (660, 2199),

Gene: HanShotFirst_11 Start: 6611, Stop: 8299, Start Num: 54

Candidate Starts for HanShotFirst_11:

(Start: 54 @6611 has 363 MA's), (Start: 169 @6791 has 2 MA's), (198, 6875), (205, 6911), (212, 6938), (258, 7061), (267, 7094), (295, 7169), (310, 7259), (316, 7283), (328, 7310), (338, 7358), (360, 7427), (380, 7514), (395, 7574), (486, 7808), (490, 7820), (512, 7862), (519, 7883), (529, 7910), (556, 8018), (598, 8108), (627, 8213),

Gene: Hank144_7 Start: 2471, Stop: 4117, Start Num: 53

Candidate Starts for Hank144_7:

(Start: 53 @2471 has 92 MA's), (Start: 142 @2621 has 2 MA's), (198, 2741), (201, 2765), (204, 2774), (231, 2846), (248, 2909), (259, 2930), (277, 2975), (292, 3017), (304, 3089), (310, 3113), (339, 3212), (357, 3266), (407, 3425), (470, 3575), (479, 3596), (516, 3686), (521, 3704), (546, 3794), (556, 3833), (567, 3854), (569, 3860), (573, 3878), (630, 4034), (670, 4112),

Gene: Hanray_12 Start: 8166, Stop: 9932, Start Num: 72

Candidate Starts for Hanray_12:

(Start: 55 @8145 has 222 MA's), (Start: 68 @8160 has 32 MA's), (Start: 72 @8166 has 5 MA's), (139, 8277), (164, 8376), (212, 8538), (241, 8610), (258, 8664), (269, 8703), (295, 8775), (310, 8865), (316, 8889), (352, 9006), (357, 9021), (383, 9129), (402, 9204), (411, 9240), (429, 9300), (476, 9420), (484, 9441), (507, 9480), (523, 9534), (524, 9537), (530, 9555), (544, 9609), (551, 9639), (556, 9651), (598, 9741), (606, 9759), (642, 9888), (665, 9915), (666, 9918),

Gene: Happiness_11 Start: 6889, Stop: 8586, Start Num: 54

Candidate Starts for Happiness_11:

(Start: 54 @6889 has 363 MA's), (Start: 74 @6913 has 1 MA's), (Start: 142 @7036 has 2 MA's), (185, 7126), (198, 7159), (230, 7258), (256, 7342), (258, 7345), (269, 7384), (295, 7453), (300, 7477), (310, 7543), (336, 7633), (380, 7798), (403, 7885), (411, 7918), (443, 7984), (469, 8056), (470, 8059), (480, 8083), (507, 8134), (512, 8149), (523, 8188), (530, 8209), (556, 8305), (642, 8542), (666, 8572), (668, 8575),

Gene: Harlequin_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Harlequin_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (262, 3630), (287, 3690), (310, 3798), (378, 4053), (397, 4125), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Harley_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Harley_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (577, 1964), (583, 1979), (597, 2006), (611, 2039), (616, 2060), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: HarryHoudini_14 Start: 7940, Stop: 9727, Start Num: 55

Candidate Starts for HarryHoudini_14:

(10, 7754), (27, 7856), (Start: 55 @7940 has 222 MA's), (123, 8048), (133, 8069), (164, 8177), (258, 8462), (295, 8570), (310, 8660), (316, 8684), (352, 8801), (357, 8816), (470, 9203), (523, 9329), (530, 9350), (551, 9434), (556, 9446), (642, 9683), (665, 9710), (666, 9713), (668, 9716), (669, 9719),

Gene: HarryOW_12 Start: 7307, Stop: 8995, Start Num: 54

Candidate Starts for HarryOW_12:

(Start: 54 @7307 has 363 MA's), (198, 7571), (201, 7595), (258, 7757), (267, 7790), (295, 7865), (310, 7955), (316, 7979), (328, 8006), (338, 8054), (376, 8198), (380, 8210), (395, 8270), (486, 8504), (490, 8516), (512, 8558), (519, 8579), (529, 8606), (556, 8714), (598, 8804), (627, 8909),

Gene: HashRod_14 Start: 7041, Stop: 8741, Start Num: 57

Candidate Starts for HashRod_14:

(Start: 57 @7041 has 139 MA's), (Start: 89 @7089 has 4 MA's), (166, 7224), (230, 7416), (258, 7503), (310, 7701), (336, 7791), (356, 7854), (395, 8016), (470, 8214), (480, 8238), (481, 8241), (512, 8304), (519, 8325), (530, 8364), (556, 8460), (577, 8514), (598, 8550), (642, 8697), (666, 8727), (668, 8730),

Gene: HaveUMetTed_14 Start: 7029, Stop: 8729, Start Num: 57

Candidate Starts for HaveUMetTed_14:

(Start: 57 @7029 has 139 MA's), (Start: 89 @7077 has 4 MA's), (Start: 132 @7149 has 1 MA's), (166, 7212), (258, 7491), (310, 7689), (336, 7779), (356, 7842), (395, 8004), (470, 8202), (480, 8226), (481, 8229), (512, 8292), (516, 8304), (519, 8313), (523, 8331), (530, 8352), (556, 8448), (577, 8502), (598, 8538), (642, 8685), (666, 8715), (668, 8718),

Gene: Heathen_11 Start: 6297, Stop: 7994, Start Num: 54

Candidate Starts for Heathen_11:

(Start: 54 @6297 has 363 MA's), (102, 6369), (198, 6567), (250, 6741), (258, 6753), (269, 6792), (278, 6804), (295, 6861), (300, 6885), (310, 6951), (313, 6960), (336, 7041), (344, 7068), (380, 7206), (397,

7272), (403, 7293), (409, 7317), (411, 7326), (443, 7392), (470, 7467), (480, 7491), (481, 7494), (484, 7500), (488, 7509), (512, 7557), (530, 7617), (556, 7713), (573, 7758), (577, 7767), (632, 7920), (642, 7950), (666, 7980), (668, 7983),

Gene: Heather_2 Start: 597, Stop: 2144, Start Num: 127

Candidate Starts for Heather_2:

(Start: 127 @597 has 4 MA's), (211, 816), (215, 825), (226, 873), (237, 918), (245, 954), (258, 978), (266, 1008), (269, 1017), (289, 1062), (296, 1092), (300, 1113), (318, 1191), (341, 1266), (349, 1296), (451, 1551), (453, 1554), (461, 1596), (468, 1623), (491, 1674), (493, 1680), (499, 1689), (501, 1701), (511, 1731), (534, 1833), (539, 1854), (544, 1881), (562, 1929), (600, 2010), (610, 2034), (612, 2037), (638, 2133),

Gene: Heffalump_14 Start: 9253, Stop: 11040, Start Num: 55

Candidate Starts for Heffalump_14:

(Start: 55 @9253 has 222 MA's), (123, 9361), (133, 9382), (164, 9490), (212, 9652), (258, 9775), (295, 9883), (310, 9973), (316, 9997), (352, 10114), (357, 10129), (439, 10429), (516, 10615), (523, 10642), (530, 10663), (556, 10759), (642, 10996), (665, 11023), (666, 11026),

Gene: HelDan_11 Start: 6549, Stop: 8246, Start Num: 54

Candidate Starts for HelDan_11:

(Start: 54 @6549 has 363 MA's), (102, 6621), (198, 6819), (250, 6993), (258, 7005), (269, 7044), (278, 7056), (295, 7113), (300, 7137), (310, 7203), (313, 7212), (336, 7293), (344, 7320), (380, 7458), (397, 7524), (403, 7545), (411, 7578), (443, 7644), (470, 7719), (480, 7743), (481, 7746), (484, 7752), (488, 7761), (512, 7809), (530, 7869), (556, 7965), (573, 8010), (577, 8019), (632, 8172), (642, 8202), (666, 8232), (668, 8235),

Gene: Heliosoles_13 Start: 7029, Stop: 8729, Start Num: 57

Candidate Starts for Heliosoles_13:

(Start: 57 @7029 has 139 MA's), (Start: 89 @7077 has 4 MA's), (Start: 132 @7149 has 1 MA's), (166, 7212), (258, 7491), (310, 7689), (336, 7779), (356, 7842), (395, 8004), (470, 8202), (480, 8226), (481, 8229), (512, 8292), (516, 8304), (519, 8313), (523, 8331), (530, 8352), (556, 8448), (577, 8502), (598, 8538), (642, 8685), (666, 8715), (668, 8718),

Gene: Helmet_16 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for Helmet_16:

(Start: 55 @7533 has 222 MA's), (139, 7665), (164, 7764), (172, 7788), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (262, 8064), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (356, 8400), (357, 8403), (386, 8514), (438, 8676), (470, 8763), (476, 8775), (480, 8787), (507, 8835), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: Herbertwm_10 Start: 6311, Stop: 8074, Start Num: 55

Candidate Starts for Herbertwm_10:

(Start: 55 @6311 has 222 MA's), (139, 6443), (164, 6542), (198, 6641), (241, 6773), (258, 6827), (295, 6938), (310, 7028), (316, 7052), (357, 7184), (376, 7277), (443, 7475), (470, 7550), (480, 7574), (512, 7637), (516, 7649), (523, 7676), (556, 7793), (577, 7847), (606, 7901), (642, 8030), (665, 8057), (666, 8060),

Gene: Hercules11_13 Start: 6964, Stop: 8664, Start Num: 57

Candidate Starts for Hercules11_13:

(Start: 57 @6964 has 139 MA's), (Start: 89 @7012 has 4 MA's), (166, 7147), (230, 7339), (258, 7426), (310, 7624), (336, 7714), (356, 7777), (395, 7939), (470, 8137), (480, 8161), (481, 8164), (512, 8227), (519, 8248), (530, 8287), (556, 8383), (577, 8437), (598, 8473), (642, 8620), (666, 8650), (668, 8653),

Gene: Hermia_13 Start: 7751, Stop: 9439, Start Num: 54

Candidate Starts for Hermia_13:

(Start: 54 @7751 has 363 MA's), (Start: 169 @7931 has 2 MA's), (198, 8015), (205, 8051), (212, 8078), (258, 8201), (267, 8234), (295, 8309), (310, 8399), (316, 8423), (328, 8450), (338, 8498), (360, 8567), (376, 8642), (380, 8654), (383, 8663), (395, 8714), (481, 8939), (486, 8948), (490, 8960), (512, 9002), (519, 9023), (529, 9050), (556, 9158), (598, 9248), (627, 9353),

Gene: HermioneGrange_12 Start: 6720, Stop: 8408, Start Num: 54

Candidate Starts for HermioneGrange_12:

(Start: 54 @6720 has 363 MA's), (198, 6984), (201, 7008), (258, 7170), (267, 7203), (295, 7278), (310, 7368), (316, 7392), (328, 7419), (338, 7467), (380, 7623), (395, 7683), (481, 7908), (486, 7917), (490, 7929), (512, 7971), (519, 7992), (529, 8019), (556, 8127), (598, 8217), (627, 8322),

Gene: Hestia_2 Start: 690, Stop: 2330, Start Num: 137

Candidate Starts for Hestia_2:

(Start: 86 @597 has 6 MA's), (Start: 137 @690 has 2 MA's), (138, 693), (180, 783), (184, 807), (194, 843), (195, 846), (210, 906), (233, 1014), (258, 1101), (308, 1278), (319, 1320), (329, 1341), (337, 1377), (388, 1512), (390, 1518), (400, 1557), (416, 1626), (460, 1692), (462, 1704), (475, 1740), (506, 1824), (523, 1881), (534, 1944), (551, 2028), (561, 2052), (577, 2094), (605, 2151), (606, 2154), (610, 2166), (627, 2235), (640, 2277), (650, 2304), (656, 2316),

Gene: Hexamo_15 Start: 7488, Stop: 9242, Start Num: 55

Candidate Starts for Hexamo_15:

(Start: 55 @7488 has 222 MA's), (139, 7620), (164, 7719), (172, 7743), (180, 7770), (191, 7806), (212, 7881), (258, 8004), (262, 8019), (269, 8043), (295, 8112), (300, 8136), (301, 8139), (310, 8202), (316, 8226), (356, 8355), (357, 8358), (386, 8469), (438, 8631), (470, 8718), (476, 8730), (480, 8742), (507, 8790), (512, 8805), (523, 8844), (530, 8865), (551, 8949), (556, 8961), (642, 9198), (665, 9225), (666, 9228),

Gene: Hexbug_5 Start: 1093, Stop: 2790, Start Num: 100

Candidate Starts for Hexbug_5:

(Start: 86 @1066 has 6 MA's), (Start: 100 @1093 has 9 MA's), (Start: 132 @1147 has 1 MA's), (141, 1168), (152, 1195), (191, 1306), (214, 1384), (243, 1468), (252, 1504), (258, 1513), (259, 1516), (273, 1564), (279, 1576), (302, 1663), (327, 1753), (349, 1843), (363, 1897), (416, 2110), (424, 2125), (434, 2134), (459, 2176), (473, 2242), (476, 2248), (492, 2290), (508, 2323), (512, 2332), (546, 2452), (567, 2509), (572, 2530), (591, 2557), (614, 2617), (629, 2686), (630, 2689), (645, 2734), (666, 2776), (668, 2779),

Gene: Hippo_6 Start: 2376, Stop: 4022, Start Num: 53

Candidate Starts for Hippo_6:

(Start: 53 @2376 has 92 MA's), (Start: 68 @2394 has 32 MA's), (Start: 142 @2526 has 2 MA's), (180, 2598), (191, 2634), (248, 2814), (259, 2835), (277, 2880), (292, 2922), (304, 2994), (310, 3018), (339, 3117), (344, 3132), (352, 3156), (354, 3162), (407, 3330), (470, 3480), (479, 3501), (507, 3564), (516, 3591), (546, 3699), (556, 3738), (567, 3759), (569, 3765), (573, 3783), (616, 3879), (630, 3939), (670, 4017),

Gene: HippoPololi_6 Start: 1863, Stop: 3563, Start Num: 103

Candidate Starts for HippoPololi_6:

(Start: 103 @1863 has 70 MA's), (120, 1893), (141, 1935), (191, 2073), (205, 2121), (214, 2151), (230, 2184), (243, 2235), (245, 2250), (258, 2280), (263, 2301), (273, 2331), (302, 2430), (304, 2451), (327, 2520), (336, 2562), (384, 2739), (394, 2790), (411, 2853), (416, 2877), (458, 2943), (467, 3000), (469, 3003), (473, 3012), (508, 3096), (512, 3105), (516, 3117), (518, 3123), (523, 3144), (533, 3183), (567,

3282), (579, 3318), (618, 3405), (630, 3462), (632, 3465), (637, 3486), (666, 3549), (668, 3552),

Gene: Hiro_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Hiro_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (262, 3630), (287, 3690), (300, 3747), (301, 3750), (310, 3798), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Hlubikazi_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Hlubikazi_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (571, 1946), (577, 1964), (583, 1979), (597, 2006), (611, 2039), (616, 2060), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Holec_12 Start: 8166, Stop: 9932, Start Num: 72

Candidate Starts for Holec_12:

(Start: 55 @8145 has 222 MA's), (Start: 68 @8160 has 32 MA's), (Start: 72 @8166 has 5 MA's), (139, 8277), (164, 8376), (212, 8538), (241, 8610), (258, 8664), (269, 8703), (295, 8775), (310, 8865), (316, 8889), (352, 9006), (357, 9021), (383, 9129), (402, 9204), (411, 9240), (429, 9300), (476, 9420), (484, 9441), (507, 9480), (523, 9534), (524, 9537), (530, 9555), (544, 9609), (551, 9639), (556, 9651), (598, 9741), (606, 9759), (642, 9888), (665, 9915), (666, 9918),

Gene: Holli_11 Start: 6677, Stop: 8374, Start Num: 54

Candidate Starts for Holli_11:

(Start: 54 @6677 has 363 MA's), (Start: 74 @6701 has 1 MA's), (Start: 142 @6824 has 2 MA's), (185, 6914), (198, 6947), (230, 7046), (256, 7130), (258, 7133), (269, 7172), (295, 7241), (300, 7265), (310, 7331), (336, 7421), (380, 7586), (403, 7673), (411, 7706), (443, 7772), (469, 7844), (470, 7847), (480, 7871), (507, 7922), (512, 7937), (523, 7976), (530, 7997), (556, 8093), (642, 8330), (666, 8360), (668, 8363),

Gene: Homines_11 Start: 7026, Stop: 8714, Start Num: 54

Candidate Starts for Homines_11:

(Start: 54 @7026 has 363 MA's), (Start: 169 @7206 has 2 MA's), (198, 7290), (205, 7326), (212, 7353), (258, 7476), (267, 7509), (295, 7584), (310, 7674), (316, 7698), (328, 7725), (338, 7773), (360, 7842), (380, 7929), (395, 7989), (486, 8223), (490, 8235), (512, 8277), (519, 8298), (529, 8325), (556, 8433), (598, 8523), (627, 8628),

Gene: Honk_2 Start: 655, Stop: 2367, Start Num: 82

Candidate Starts for Honk_2:

(2, 301), (3, 313), (67, 640), (Start: 82 @655 has 25 MA's), (93, 676), (166, 796), (212, 952), (235, 1012), (248, 1063), (258, 1081), (292, 1180), (302, 1231), (361, 1468), (366, 1492), (438, 1690), (473, 1789), (512, 1882), (523, 1921), (556, 2038), (563, 2053), (583, 2107), (605, 2182), (630, 2278), (634, 2290), (668, 2356),

Gene: Hookmount_12 Start: 7044, Stop: 8741, Start Num: 54

Candidate Starts for Hookmount_12:

(Start: 54 @7044 has 363 MA's), (Start: 74 @7068 has 1 MA's), (198, 7314), (250, 7488), (258, 7500), (269, 7539), (278, 7551), (295, 7608), (300, 7632), (310, 7698), (313, 7707), (336, 7788), (346, 7821), (380, 7953), (386, 7965), (397, 8019), (403, 8040), (411, 8073), (438, 8127), (470, 8214), (480, 8238), (481, 8241), (484, 8247), (488, 8256), (512, 8304), (523, 8343), (524, 8346), (530, 8364), (556, 8460), (577, 8514), (632, 8667), (642, 8697), (666, 8727), (668, 8730),

Gene: Hoot_15 Start: 7512, Stop: 9266, Start Num: 55

Candidate Starts for Hoot_15:

(Start: 55 @7512 has 222 MA's), (164, 7743), (180, 7794), (191, 7830), (212, 7905), (258, 8028), (269, 8067), (295, 8136), (300, 8160), (301, 8163), (310, 8226), (316, 8250), (346, 8349), (347, 8352), (356, 8379), (357, 8382), (443, 8667), (476, 8754), (480, 8766), (512, 8829), (523, 8868), (530, 8889), (551, 8973), (556, 8985), (642, 9222), (665, 9249), (666, 9252),

Gene: Hope4ever_11 Start: 7128, Stop: 8816, Start Num: 54

Candidate Starts for Hope4ever_11:

(Start: 54 @7128 has 363 MA's), (198, 7392), (201, 7416), (258, 7578), (267, 7611), (295, 7686), (310, 7776), (316, 7800), (328, 7827), (338, 7875), (376, 8019), (380, 8031), (395, 8091), (481, 8316), (486, 8325), (490, 8337), (512, 8379), (519, 8400), (529, 8427), (556, 8535), (598, 8625), (627, 8730),

Gene: Horseradish_5 Start: 1017, Stop: 2696, Start Num: 103

Candidate Starts for Horseradish_5:

(Start: 103 @1017 has 70 MA's), (Start: 132 @1068 has 1 MA's), (141, 1089), (165, 1128), (191, 1215), (204, 1260), (210, 1281), (212, 1290), (239, 1362), (252, 1413), (258, 1422), (273, 1473), (302, 1572), (304, 1593), (313, 1626), (327, 1662), (363, 1806), (373, 1842), (384, 1881), (390, 1914), (403, 1962), (416, 2019), (442, 2052), (459, 2085), (473, 2151), (476, 2157), (506, 2223), (510, 2235), (512, 2241), (537, 2322), (567, 2418), (591, 2466), (618, 2541), (637, 2622), (666, 2682), (668, 2685),

Gene: HortumSL17_13 Start: 8109, Stop: 9896, Start Num: 55

Candidate Starts for HortumSL17_13:

(Start: 55 @8109 has 222 MA's), (Start: 68 @8124 has 32 MA's), (Start: 72 @8130 has 5 MA's), (139, 8241), (164, 8340), (212, 8502), (241, 8574), (258, 8628), (269, 8667), (295, 8739), (310, 8829), (316, 8853), (352, 8970), (357, 8985), (383, 9093), (402, 9168), (411, 9204), (429, 9264), (476, 9384), (484, 9405), (507, 9444), (523, 9498), (524, 9501), (530, 9519), (544, 9573), (551, 9603), (556, 9615), (598, 9705), (606, 9723), (642, 9852), (665, 9879), (666, 9882),

Gene: Houdini22_11 Start: 6888, Stop: 8585, Start Num: 54

Candidate Starts for Houdini22_11:

(Start: 54 @6888 has 363 MA's), (Start: 74 @6912 has 1 MA's), (Start: 142 @7035 has 2 MA's), (185, 7125), (198, 7158), (230, 7257), (256, 7341), (258, 7344), (269, 7383), (295, 7452), (300, 7476), (310, 7542), (336, 7632), (380, 7797), (403, 7884), (411, 7917), (443, 7983), (469, 8055), (470, 8058), (480, 8082), (507, 8133), (512, 8148), (523, 8187), (530, 8208), (556, 8304), (642, 8541), (666, 8571), (668, 8574),

Gene: HubbaBubba_22 Start: 9084, Stop: 10811, Start Num: 82

Candidate Starts for HubbaBubba_22:

(Start: 82 @9084 has 25 MA's), (167, 9234), (183, 9285), (202, 9360), (205, 9369), (228, 9492), (233, 9510), (314, 9792), (322, 9819), (367, 9987), (371, 9999), (408, 10110), (485, 10293), (520, 10407), (523, 10422), (558, 10530), (618, 10674), (627, 10716), (636, 10746), (661, 10788),

Gene: HuhtaEnerson15_9 Start: 6188, Stop: 7939, Start Num: 32

Candidate Starts for HuhtaEnerson15_9:

(Start: 29 @6161 has 19 MA's), (Start: 32 @6188 has 30 MA's), (66, 6257), (135, 6371), (139, 6377), (191, 6509), (212, 6584), (214, 6587), (230, 6620), (241, 6653), (279, 6761), (287, 6785), (295, 6818),

(310, 6893), (324, 6938), (344, 7016), (346, 7022), (360, 7067), (397, 7220), (403, 7241), (470, 7415), (480, 7439), (481, 7442), (512, 7502), (516, 7514), (523, 7541), (530, 7562), (551, 7646), (556, 7658), (642, 7895), (668, 7928), (670, 7934),

Gene: Hum25_2 Start: 471, Stop: 2078, Start Num: 86

Candidate Starts for Hum25_2:

(Start: 86 @471 has 6 MA's), (Start: 103 @501 has 70 MA's), (160, 615), (194, 687), (233, 807), (304, 1071), (310, 1092), (316, 1116), (327, 1146), (334, 1182), (335, 1188), (342, 1209), (352, 1239), (354, 1245), (367, 1299), (382, 1347), (393, 1368), (410, 1431), (422, 1467), (445, 1491), (463, 1536), (467, 1554), (476, 1572), (480, 1584), (512, 1659), (523, 1698), (539, 1749), (557, 1800), (559, 1806), (574, 1842), (594, 1878), (595, 1881), (638, 2013), (667, 2061),

Gene: Huphleuff_37 Start: 10925, Stop: 12667, Start Num: 103

Candidate Starts for Huphleuff_37:

(Start: 103 @10925 has 70 MA's), (166, 11042), (180, 11087), (195, 11153), (196, 11168), (201, 11201), (202, 11204), (207, 11219), (214, 11243), (216, 11246), (230, 11276), (236, 11297), (239, 11315), (242, 11324), (249, 11360), (258, 11375), (273, 11420), (292, 11462), (298, 11501), (302, 11513), (304, 11534), (317, 11585), (328, 11606), (390, 11828), (416, 11933), (419, 11942), (450, 11975), (459, 11996), (460, 11999), (465, 12026), (470, 12056), (476, 12068), (481, 12083), (486, 12092), (488, 12098), (506, 12140), (508, 12149), (514, 12164), (519, 12179), (537, 12239), (544, 12278), (552, 12311), (567, 12341), (568, 12344), (590, 12428), (605, 12482), (610, 12497), (619, 12524), (630, 12578), (665, 12650), (666, 12653),

Gene: Hutc2_12 Start: 8027, Stop: 9790, Start Num: 55

Candidate Starts for Hutc2_12:

(Start: 55 @8027 has 222 MA's), (Start: 72 @8048 has 5 MA's), (123, 8135), (164, 8264), (172, 8288), (191, 8351), (241, 8495), (256, 8546), (258, 8549), (295, 8660), (300, 8684), (301, 8687), (310, 8750), (313, 8759), (316, 8774), (352, 8891), (357, 8906), (368, 8966), (392, 9050), (443, 9191), (476, 9278), (480, 9290), (507, 9338), (512, 9353), (523, 9392), (530, 9413), (540, 9452), (551, 9497), (556, 9509), (642, 9746), (665, 9773),

Gene: Huxley_11 Start: 6948, Stop: 8645, Start Num: 54

Candidate Starts for Huxley_11:

(Start: 54 @6948 has 363 MA's), (Start: 74 @6972 has 1 MA's), (Start: 142 @7095 has 2 MA's), (185, 7185), (198, 7218), (230, 7317), (256, 7401), (258, 7404), (269, 7443), (295, 7512), (300, 7536), (310, 7602), (336, 7692), (380, 7857), (403, 7944), (411, 7977), (443, 8043), (469, 8115), (470, 8118), (480, 8142), (507, 8193), (512, 8208), (523, 8247), (530, 8268), (556, 8364), (642, 8601), (666, 8631), (668, 8634),

Gene: Hydra_8 Start: 2939, Stop: 4585, Start Num: 53

Candidate Starts for Hydra_8:

(Start: 53 @2939 has 92 MA's), (Start: 68 @2957 has 32 MA's), (180, 3161), (204, 3242), (248, 3377), (259, 3398), (292, 3485), (304, 3557), (310, 3581), (339, 3680), (357, 3734), (392, 3833), (407, 3893), (476, 4055), (479, 4064), (516, 4154), (523, 4181), (545, 4259), (546, 4262), (556, 4301), (567, 4322), (569, 4328), (573, 4346), (616, 4442), (630, 4502),

Gene: IAmGroot_2 Start: 501, Stop: 2183, Start Num: 68

Candidate Starts for IAmGroot_2:

(Start: 68 @501 has 32 MA's), (108, 555), (212, 798), (235, 852), (258, 921), (267, 957), (367, 1317), (556, 1857), (634, 2109),

Gene: ICleared_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for ICleared_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: IDyn_25 Start: 10480, Stop: 12207, Start Num: 82

Candidate Starts for IDyn_25:

(Start: 82 @10480 has 25 MA's), (167, 10630), (183, 10681), (197, 10726), (202, 10756), (205, 10765), (228, 10888), (233, 10906), (314, 11188), (322, 11215), (367, 11383), (371, 11395), (408, 11506), (485, 11689), (520, 11803), (523, 11818), (532, 11851), (558, 11926), (618, 12070), (627, 12112), (636, 12142), (661, 12184),

Gene: ILeeKay_13 Start: 7180, Stop: 8868, Start Num: 54

Candidate Starts for ILeeKay_13:

(Start: 54 @7180 has 363 MA's), (198, 7444), (201, 7468), (258, 7630), (267, 7663), (295, 7738), (305, 7792), (310, 7828), (316, 7852), (328, 7879), (338, 7927), (360, 7996), (380, 8083), (395, 8143), (486, 8377), (490, 8389), (512, 8431), (519, 8452), (529, 8479), (556, 8587), (598, 8677), (627, 8782),

Gene: IMpilo_2 Start: 588, Stop: 2225, Start Num: 88

Candidate Starts for IMpilo_2:

(Start: 88 @588 has 156 MA's), (Start: 90 @594 has 1 MA's), (94, 603), (Start: 101 @612 has 3 MA's), (Start: 105 @618 has 1 MA's), (Start: 121 @645 has 1 MA's), (Start: 134 @669 has 2 MA's), (136, 672), (168, 735), (174, 753), (184, 774), (208, 861), (209, 867), (224, 921), (233, 933), (238, 945), (241, 954), (242, 957), (245, 978), (251, 999), (260, 1014), (276, 1071), (292, 1110), (303, 1179), (306, 1185), (314, 1215), (315, 1218), (316, 1227), (322, 1242), (328, 1260), (339, 1311), (367, 1413), (422, 1584), (435, 1596), (449, 1614), (470, 1680), (483, 1710), (485, 1713), (487, 1716), (512, 1773), (517, 1788), (519, 1794), (520, 1797), (523, 1812), (529, 1821), (545, 1890), (554, 1920), (558, 1929), (571, 1962), (583, 1995), (597, 2022), (611, 2055), (618, 2082), (619, 2085), (623, 2106), (627, 2130), (630, 2139), (632, 2142), (660, 2199),

Gene: IbOuu_2 Start: 652, Stop: 2208, Start Num: 134

Candidate Starts for IbOuu_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Ibantik_67 Start: 28527, Stop: 30182, Start Num: 87

Candidate Starts for Ibantik_67:

(Start: 87 @28527 has 1 MA's), (92, 28539), (180, 28710), (193, 28749), (238, 28941), (239, 28944), (241, 28950), (247, 28983), (258, 29004), (278, 29058), (295, 29121), (310, 29196), (314, 29208), (328, 29253), (344, 29319), (416, 29544), (537, 29832), (567, 29910), (578, 29946), (599, 29982), (609, 30006), (615, 30021), (625, 30087), (627, 30093), (632, 30105), (652, 30147),

Gene: Ibhubesi_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Ibhubesi_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169),

(314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (577, 1964), (583, 1979), (597, 2006), (611, 2039), (616, 2060), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Ibrahim_3 Start: 724, Stop: 2607, Start Num: 42

Candidate Starts for Ibrahim_3:

(5, 475), (Start: 42 @724 has 7 MA's), (93, 805), (98, 814), (147, 910), (151, 922), (191, 1054), (242, 1201), (243, 1207), (248, 1234), (258, 1252), (282, 1315), (314, 1450), (364, 1651), (389, 1708), (473, 1927), (495, 1978), (503, 2002), (520, 2053), (547, 2182), (552, 2221), (556, 2230), (573, 2281), (585, 2320), (599, 2407), (605, 2419), (629, 2512), (634, 2527), (635, 2530),

Gene: Iceman_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Iceman_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Ichabod_12 Start: 7032, Stop: 8720, Start Num: 54

Candidate Starts for Ichabod_12:

(Start: 54 @7032 has 363 MA's), (198, 7296), (201, 7320), (258, 7482), (267, 7515), (295, 7590), (310, 7680), (316, 7704), (338, 7779), (360, 7848), (380, 7935), (383, 7944), (395, 7995), (486, 8229), (490, 8241), (512, 8283), (519, 8304), (529, 8331), (556, 8439), (598, 8529), (627, 8634),

Gene: Idleandcovert_11 Start: 6496, Stop: 8193, Start Num: 54

Candidate Starts for Idleandcovert_11:

(Start: 54 @6496 has 363 MA's), (Start: 74 @6520 has 1 MA's), (102, 6568), (198, 6766), (212, 6829), (250, 6940), (258, 6952), (269, 6991), (278, 7003), (295, 7060), (300, 7084), (310, 7150), (313, 7159), (336, 7240), (344, 7267), (380, 7405), (403, 7492), (411, 7525), (443, 7591), (470, 7666), (480, 7690), (481, 7693), (484, 7699), (488, 7708), (507, 7741), (512, 7756), (530, 7816), (556, 7912), (573, 7957), (577, 7966), (632, 8119), (642, 8149), (666, 8179), (668, 8182),

Gene: IgnatiusPatJac_10 Start: 7006, Stop: 8694, Start Num: 54

Candidate Starts for IgnatiusPatJac_10:

(Start: 54 @7006 has 363 MA's), (Start: 169 @7186 has 2 MA's), (198, 7270), (201, 7294), (258, 7456), (267, 7489), (295, 7564), (310, 7654), (316, 7678), (328, 7705), (338, 7753), (380, 7909), (395, 7969), (481, 8194), (486, 8203), (490, 8215), (512, 8257), (519, 8278), (529, 8305), (556, 8413), (598, 8503), (627, 8608),

Gene: Indigo_6 Start: 2402, Stop: 4048, Start Num: 53

Candidate Starts for Indigo_6:

(Start: 53 @2402 has 92 MA's), (Start: 68 @2420 has 32 MA's), (180, 2624), (204, 2705), (248, 2840), (259, 2861), (292, 2948), (304, 3020), (310, 3044), (339, 3143), (357, 3197), (392, 3296), (407, 3356), (476, 3518), (479, 3527), (516, 3617), (523, 3644), (545, 3722), (546, 3725), (556, 3764), (567, 3785), (569, 3791), (573, 3809), (616, 3905), (630, 3965),

Gene: Indra_15 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for Indra_15:

(Start: 55 @7533 has 222 MA's), (139, 7665), (164, 7764), (172, 7788), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (262, 8064), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316,

8271), (356, 8400), (357, 8403), (386, 8514), (438, 8676), (470, 8763), (476, 8775), (480, 8787), (507, 8835), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: Insomnia_12 Start: 8076, Stop: 9839, Start Num: 55

Candidate Starts for Insomnia_12:

(22, 7956), (Start: 55 @8076 has 222 MA's), (Start: 72 @8097 has 5 MA's), (123, 8184), (164, 8313), (172, 8337), (191, 8400), (241, 8544), (256, 8595), (258, 8598), (295, 8709), (300, 8733), (301, 8736), (310, 8799), (313, 8808), (316, 8823), (352, 8940), (357, 8955), (368, 9015), (392, 9099), (476, 9327), (480, 9339), (507, 9387), (512, 9402), (523, 9441), (530, 9462), (540, 9501), (551, 9546), (556, 9558), (642, 9795), (665, 9822),

Gene: Inventum_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Inventum_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Inyanga_10 Start: 6795, Stop: 8483, Start Num: 54

Candidate Starts for Inyanga_10:

(Start: 54 @6795 has 363 MA's), (198, 7059), (201, 7083), (258, 7245), (267, 7278), (295, 7353), (310, 7443), (316, 7467), (328, 7494), (338, 7542), (360, 7611), (376, 7686), (380, 7698), (383, 7707), (395, 7758), (486, 7992), (490, 8004), (512, 8046), (519, 8067), (529, 8094), (556, 8202), (598, 8292), (627, 8397),

Gene: Iqorha_10 Start: 6795, Stop: 8483, Start Num: 54

Candidate Starts for Iqorha_10:

(Start: 54 @6795 has 363 MA's), (Start: 169 @6975 has 2 MA's), (198, 7059), (205, 7095), (212, 7122), (258, 7245), (267, 7278), (295, 7353), (310, 7443), (316, 7467), (328, 7494), (338, 7542), (360, 7611), (376, 7686), (380, 7698), (383, 7707), (395, 7758), (481, 7983), (486, 7992), (490, 8004), (512, 8046), (519, 8067), (529, 8094), (556, 8202), (598, 8292), (627, 8397),

Gene: Iracema64_11 Start: 6861, Stop: 8558, Start Num: 54

Candidate Starts for Iracema64_11:

(Start: 54 @6861 has 363 MA's), (Start: 74 @6885 has 1 MA's), (Start: 142 @7008 has 2 MA's), (185, 7098), (198, 7131), (230, 7230), (256, 7314), (258, 7317), (269, 7356), (295, 7425), (300, 7449), (310, 7515), (336, 7605), (380, 7770), (403, 7857), (411, 7890), (443, 7956), (469, 8028), (470, 8031), (480, 8055), (507, 8106), (512, 8121), (523, 8160), (530, 8181), (556, 8277), (642, 8514), (666, 8544), (668, 8547),

Gene: IrishSherpFalk_2 Start: 575, Stop: 2212, Start Num: 88

Candidate Starts for IrishSherpFalk_2:

(Start: 88 @575 has 156 MA's), (91, 584), (Start: 101 @599 has 3 MA's), (Start: 114 @620 has 1 MA's), (Start: 121 @632 has 1 MA's), (Start: 134 @656 has 2 MA's), (136, 659), (143, 677), (168, 722), (184, 761), (208, 848), (224, 908), (233, 920), (238, 932), (241, 941), (242, 944), (245, 965), (251, 986), (260, 1001), (276, 1058), (292, 1097), (303, 1166), (306, 1172), (314, 1202), (315, 1205), (316, 1214), (322, 1229), (328, 1247), (339, 1298), (365, 1391), (367, 1400), (422, 1571), (435, 1583), (449, 1601), (470, 1667), (483, 1697), (485, 1700), (487, 1703), (512, 1760), (517, 1775), (519, 1781), (520, 1784), (523, 1799), (529, 1808), (545, 1877), (554, 1907), (558, 1916), (571, 1949), (583, 1982), (597, 2009),

(611, 2042), (618, 2069), (619, 2072), (623, 2093), (627, 2117), (630, 2126), (632, 2129), (660, 2186),

Gene: IronMan_14 Start: 9160, Stop: 10938, Start Num: 55

Candidate Starts for IronMan_14:

(Start: 55 @9160 has 222 MA's), (Start: 72 @9178 has 5 MA's), (139, 9289), (Start: 142 @9301 has 2 MA's), (154, 9343), (157, 9355), (158, 9364), (164, 9388), (191, 9475), (256, 9670), (258, 9673), (269, 9712), (295, 9781), (310, 9871), (316, 9895), (346, 9994), (357, 10027), (439, 10327), (470, 10414), (516, 10513), (523, 10540), (530, 10561), (556, 10657), (642, 10894), (665, 10921), (666, 10924),

Gene: Isca_11 Start: 6368, Stop: 8065, Start Num: 54

Candidate Starts for Isca_11:

(Start: 54 @6368 has 363 MA's), (102, 6440), (198, 6638), (212, 6701), (250, 6812), (258, 6824), (269, 6863), (278, 6875), (295, 6932), (300, 6956), (310, 7022), (313, 7031), (336, 7112), (344, 7139), (380, 7277), (397, 7343), (403, 7364), (411, 7397), (443, 7463), (470, 7538), (480, 7562), (484, 7571), (488, 7580), (512, 7628), (523, 7667), (530, 7688), (556, 7784), (573, 7829), (577, 7838), (632, 7991), (642, 8021), (666, 8051), (668, 8054),

Gene: Isiphiwo_15 Start: 7523, Stop: 9277, Start Num: 55

Candidate Starts for Isiphiwo_15:

(Start: 55 @7523 has 222 MA's), (164, 7754), (180, 7805), (191, 7841), (212, 7916), (258, 8039), (269, 8078), (295, 8147), (300, 8171), (301, 8174), (310, 8237), (316, 8261), (346, 8360), (347, 8363), (356, 8390), (357, 8393), (443, 8678), (476, 8765), (480, 8777), (512, 8840), (523, 8879), (530, 8900), (551, 8984), (556, 8996), (642, 9233), (665, 9260), (666, 9263),

Gene: Issmi_7 Start: 2454, Stop: 4100, Start Num: 53

Candidate Starts for Issmi_7:

(Start: 53 @2454 has 92 MA's), (191, 2712), (198, 2724), (204, 2757), (243, 2865), (248, 2892), (259, 2913), (292, 3000), (304, 3072), (310, 3096), (339, 3195), (391, 3345), (407, 3408), (412, 3426), (470, 3558), (473, 3564), (479, 3579), (482, 3588), (516, 3669), (521, 3687), (523, 3696), (546, 3777), (556, 3816), (567, 3837), (573, 3861), (605, 3921), (630, 4017),

Gene: Iter_2 Start: 534, Stop: 2240, Start Num: 75

Candidate Starts for Iter_2:

(Start: 75 @534 has 41 MA's), (240, 906), (258, 963), (274, 1011), (302, 1101), (327, 1200), (346, 1275), (367, 1365), (412, 1488), (425, 1527), (470, 1650), (537, 1830), (546, 1869), (556, 1905), (563, 1920), (605, 2055), (626, 2139), (630, 2151), (634, 2163),

Gene: IttyBittyPiggy_2 Start: 535, Stop: 2232, Start Num: 75

Candidate Starts for IttyBittyPiggy_2:

(6, 244), (Start: 75 @535 has 41 MA's), (Start: 132 @622 has 1 MA's), (240, 907), (258, 964), (269, 1006), (302, 1102), (313, 1156), (346, 1276), (470, 1651), (516, 1762), (537, 1831), (556, 1906), (563, 1921), (605, 2047), (634, 2155),

Gene: Itza_6 Start: 2578, Stop: 4239, Start Num: 53

Candidate Starts for Itza_6:

(Start: 53 @2578 has 92 MA's), (159, 2761), (175, 2797), (231, 2968), (248, 3031), (269, 3088), (292, 3139), (304, 3211), (310, 3235), (319, 3268), (331, 3304), (339, 3334), (346, 3355), (368, 3448), (392, 3487), (398, 3511), (407, 3547), (431, 3607), (470, 3697), (479, 3718), (488, 3739), (524, 3838), (556, 3955), (573, 4000),

Gene: Iwokeuplikedis_12 Start: 7191, Stop: 8972, Start Num: 55

Candidate Starts for Iwokeuplikedis_12:

(14, 7023), (Start: 55 @7191 has 222 MA's), (164, 7422), (258, 7707), (269, 7746), (295, 7815), (310, 7905), (316, 7929), (328, 7956), (352, 8046), (357, 8061), (439, 8361), (470, 8448), (512, 8535), (516, 8547), (523, 8574), (551, 8679), (556, 8691), (642, 8928), (666, 8958),

Gene: Izzy_7 Start: 2609, Stop: 4255, Start Num: 53

Candidate Starts for Izzy_7:

(Start: 53 @2609 has 92 MA's), (Start: 68 @2627 has 32 MA's), (180, 2831), (204, 2912), (248, 3047), (259, 3068), (277, 3113), (292, 3155), (304, 3227), (310, 3251), (336, 3338), (339, 3350), (357, 3404), (392, 3503), (407, 3563), (476, 3725), (479, 3734), (516, 3824), (528, 3857), (545, 3929), (546, 3932), (556, 3971), (567, 3992), (569, 3998), (573, 4016), (616, 4112), (630, 4172),

Gene: JC27_13 Start: 7632, Stop: 9320, Start Num: 54

Candidate Starts for JC27_13:

(Start: 54 @7632 has 363 MA's), (Start: 169 @7812 has 2 MA's), (198, 7896), (205, 7932), (212, 7959), (258, 8082), (295, 8190), (310, 8280), (316, 8304), (328, 8331), (338, 8379), (360, 8448), (376, 8523), (380, 8535), (395, 8595), (481, 8820), (486, 8829), (490, 8841), (512, 8883), (519, 8904), (529, 8931), (556, 9039), (598, 9129), (627, 9234),

Gene: JF2_11 Start: 6133, Stop: 7830, Start Num: 54

Candidate Starts for JF2_11:

(Start: 54 @6133 has 363 MA's), (102, 6205), (198, 6403), (212, 6466), (250, 6577), (258, 6589), (269, 6628), (278, 6640), (295, 6697), (300, 6721), (305, 6751), (310, 6787), (313, 6796), (336, 6877), (344, 6904), (380, 7042), (397, 7108), (403, 7129), (411, 7162), (443, 7228), (470, 7303), (480, 7327), (481, 7330), (484, 7336), (488, 7345), (512, 7393), (523, 7432), (524, 7435), (530, 7453), (556, 7549), (577, 7603), (632, 7756), (642, 7786), (666, 7816), (668, 7819),

Gene: JF4_11 Start: 6133, Stop: 7830, Start Num: 54

Candidate Starts for JF4_11:

(Start: 54 @6133 has 363 MA's), (102, 6205), (198, 6403), (212, 6466), (250, 6577), (258, 6589), (269, 6628), (278, 6640), (295, 6697), (300, 6721), (305, 6751), (310, 6787), (313, 6796), (336, 6877), (344, 6904), (380, 7042), (397, 7108), (403, 7129), (411, 7162), (443, 7228), (470, 7303), (480, 7327), (481, 7330), (484, 7336), (488, 7345), (512, 7393), (523, 7432), (524, 7435), (530, 7453), (556, 7549), (577, 7603), (632, 7756), (642, 7786), (666, 7816), (668, 7819),

Gene: JHC117_13 Start: 6955, Stop: 8655, Start Num: 57

Candidate Starts for JHC117_13:

(Start: 57 @6955 has 139 MA's), (Start: 89 @7003 has 4 MA's), (166, 7138), (230, 7330), (258, 7417), (310, 7615), (336, 7705), (356, 7768), (395, 7930), (470, 8128), (480, 8152), (481, 8155), (512, 8218), (519, 8239), (530, 8278), (556, 8374), (577, 8428), (598, 8464), (642, 8611), (666, 8641), (668, 8644),

Gene: JSwag_14 Start: 6679, Stop: 8376, Start Num: 55

Candidate Starts for JSwag_14:

(Start: 55 @6679 has 222 MA's), (71, 6697), (166, 6859), (241, 7084), (258, 7138), (295, 7246), (301, 7273), (310, 7336), (316, 7360), (480, 7876), (512, 7939), (524, 7981), (556, 8095), (605, 8200), (642, 8332), (665, 8359), (666, 8362), (668, 8365),

Gene: Jaan_15 Start: 9550, Stop: 11328, Start Num: 55

Candidate Starts for Jaan_15:

(Start: 55 @9550 has 222 MA's), (Start: 72 @9568 has 5 MA's), (139, 9679), (Start: 142 @9691 has 2 MA's), (154, 9733), (157, 9745), (158, 9754), (164, 9778), (191, 9865), (256, 10060), (258, 10063), (269, 10102), (295, 10171), (310, 10261), (316, 10285), (346, 10384), (357, 10417), (439, 10717), (470, 10804), (516, 10903), (523, 10930), (530, 10951), (556, 11047), (642, 11284), (665, 11311), (666, 11314),

Gene: Jabiru_9 Start: 6013, Stop: 7764, Start Num: 32

Candidate Starts for Jabiru_9:

(Start: 29 @5986 has 19 MA's), (Start: 32 @6013 has 30 MA's), (58, 6073), (66, 6082), (Start: 90 @6121 has 1 MA's), (135, 6196), (139, 6202), (191, 6334), (212, 6409), (214, 6412), (279, 6586), (287, 6610), (310, 6718), (324, 6763), (344, 6841), (346, 6847), (388, 7012), (397, 7045), (403, 7066), (470, 7240), (480, 7264), (523, 7366), (530, 7387), (544, 7441), (551, 7471), (556, 7483), (577, 7537), (641, 7717), (642, 7720), (668, 7753), (670, 7759),

Gene: Jabith_12 Start: 8076, Stop: 9839, Start Num: 55

Candidate Starts for Jabith_12:

(22, 7956), (Start: 55 @8076 has 222 MA's), (Start: 72 @8097 has 5 MA's), (123, 8184), (164, 8313), (172, 8337), (191, 8400), (241, 8544), (256, 8595), (258, 8598), (295, 8709), (300, 8733), (301, 8736), (310, 8799), (313, 8808), (316, 8823), (352, 8940), (357, 8955), (368, 9015), (392, 9099), (476, 9327), (480, 9339), (507, 9387), (512, 9402), (523, 9441), (530, 9462), (540, 9501), (551, 9546), (556, 9558), (642, 9795), (665, 9822),

Gene: Jablanski_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for Jablanski_2:

(Start: 57 @485 has 139 MA's), (140, 623), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (363, 1382), (371, 1415), (447, 1589), (460, 1616), (470, 1658), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (641, 2225), (649, 2240), (666, 2270), (668, 2273),

Gene: JackSparrow_12 Start: 7288, Stop: 8976, Start Num: 54

Candidate Starts for JackSparrow_12:

(Start: 54 @7288 has 363 MA's), (Start: 169 @7468 has 2 MA's), (198, 7552), (205, 7588), (212, 7615), (258, 7738), (295, 7846), (310, 7936), (316, 7960), (328, 7987), (338, 8035), (360, 8104), (376, 8179), (380, 8191), (395, 8251), (481, 8476), (486, 8485), (490, 8497), (512, 8539), (519, 8560), (529, 8587), (556, 8695), (598, 8785), (627, 8890),

Gene: JacoRen57_2 Start: 669, Stop: 2324, Start Num: 103

Candidate Starts for JacoRen57_2:

(Start: 103 @669 has 70 MA's), (139, 732), (Start: 142 @744 has 2 MA's), (191, 861), (208, 918), (252, 1059), (258, 1068), (273, 1116), (314, 1269), (476, 1797), (516, 1890), (546, 1998), (565, 2052), (567, 2055), (568, 2058), (591, 2103), (622, 2199), (632, 2238),

Gene: James_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for James_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Jamzy_7 Start: 1492, Stop: 3192, Start Num: 100

Candidate Starts for Jamzy_7:

(Start: 100 @1492 has 9 MA's), (Start: 132 @1546 has 1 MA's), (141, 1567), (152, 1594), (182, 1669), (191, 1705), (214, 1783), (241, 1858), (245, 1882), (258, 1912), (273, 1963), (302, 2062), (327, 2152), (349, 2242), (363, 2296), (384, 2371), (411, 2485), (416, 2509), (424, 2524), (459, 2575), (473, 2641), (476, 2647), (508, 2722), (538, 2818), (546, 2851), (591, 2956), (629, 3085), (630, 3088), (666, 3178), (668, 3181),

Gene: Janeemi_3 Start: 1617, Stop: 3323, Start Num: 75

Candidate Starts for Janeemi_3:

(Start: 75 @1617 has 41 MA's), (240, 1989), (258, 2046), (274, 2094), (302, 2184), (346, 2358), (367, 2448), (412, 2571), (425, 2610), (546, 2952), (556, 2988), (563, 3003), (570, 3021), (605, 3138), (626, 3222), (630, 3234), (634, 3246),

Gene: Jant_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Jant_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Janus_7 Start: 2523, Stop: 4169, Start Num: 53

Candidate Starts for Janus_7:

(Start: 53 @2523 has 92 MA's), (187, 2766), (191, 2781), (198, 2793), (239, 2919), (248, 2961), (250, 2967), (259, 2982), (292, 3069), (304, 3141), (310, 3165), (339, 3264), (349, 3300), (357, 3318), (398, 3441), (407, 3477), (476, 3639), (479, 3648), (507, 3711), (523, 3765), (546, 3846), (556, 3885), (567, 3906), (573, 3930), (629, 4083), (630, 4086),

Gene: Jacob_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Jacob_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (538, 1844), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Jash_7 Start: 2580, Stop: 4208, Start Num: 68

Candidate Starts for Jash_7:

(Start: 53 @2562 has 92 MA's), (Start: 68 @2580 has 32 MA's), (180, 2784), (204, 2865), (248, 3000), (259, 3021), (277, 3066), (292, 3108), (304, 3180), (310, 3204), (336, 3291), (339, 3303), (357, 3357), (392, 3456), (407, 3516), (476, 3678), (479, 3687), (516, 3777), (528, 3810), (545, 3882), (546, 3885), (556, 3924), (567, 3945), (569, 3951), (573, 3969), (616, 4065), (630, 4125),

Gene: JasmineDragon_2 Start: 550, Stop: 2277, Start Num: 53

Candidate Starts for JasmineDragon_2:

(31, 490), (Start: 53 @550 has 92 MA's), (Start: 132 @661 has 1 MA's), (232, 925), (235, 934), (248, 985), (258, 1003), (274, 1051), (302, 1144), (481, 1720), (537, 1873), (556, 1948), (563, 1963), (605, 2092), (634, 2200), (666, 2263),

Gene: Jasper_12 Start: 6843, Stop: 8531, Start Num: 54

Candidate Starts for Jasper_12:

(Start: 54 @6843 has 363 MA's), (Start: 169 @7023 has 2 MA's), (198, 7107), (205, 7143), (258, 7293), (295, 7401), (310, 7491), (316, 7515), (338, 7590), (360, 7659), (380, 7746), (395, 7806), (486, 8040), (490, 8052), (512, 8094), (519, 8115), (529, 8142), (556, 8250), (598, 8340), (627, 8445),

Gene: Jaykayelowell_11 Start: 6883, Stop: 8580, Start Num: 54

Candidate Starts for Jaykayelowell_11:

(Start: 54 @6883 has 363 MA's), (Start: 74 @6907 has 1 MA's), (Start: 142 @7030 has 2 MA's), (185, 7120), (198, 7153), (230, 7252), (256, 7336), (258, 7339), (269, 7378), (295, 7447), (300, 7471), (310, 7537), (336, 7627), (380, 7792), (403, 7879), (411, 7912), (443, 7978), (469, 8050), (470, 8053), (480, 8077), (507, 8128), (512, 8143), (523, 8182), (530, 8203), (556, 8299), (642, 8536), (666, 8566), (668, 8569),

Gene: Jeeves_11 Start: 6561, Stop: 8318, Start Num: 55

Candidate Starts for Jeeves_11:

(Start: 55 @6561 has 222 MA's), (126, 6669), (139, 6693), (157, 6759), (158, 6768), (164, 6792), (180, 6843), (205, 6927), (256, 7074), (258, 7077), (295, 7188), (300, 7212), (310, 7278), (316, 7302), (336, 7368), (357, 7434), (383, 7542), (402, 7617), (441, 7719), (470, 7794), (476, 7806), (480, 7818), (481, 7821), (512, 7881), (523, 7920), (530, 7941), (556, 8037), (642, 8274), (665, 8301),

Gene: Jeffabunny_15 Start: 7536, Stop: 9290, Start Num: 55

Candidate Starts for Jeffabunny_15:

(Start: 55 @7536 has 222 MA's), (164, 7767), (180, 7818), (191, 7854), (212, 7929), (258, 8052), (269, 8091), (295, 8160), (300, 8184), (301, 8187), (310, 8250), (316, 8274), (346, 8373), (347, 8376), (356, 8403), (357, 8406), (443, 8691), (476, 8778), (480, 8790), (512, 8853), (523, 8892), (530, 8913), (551, 8997), (556, 9009), (642, 9246), (665, 9273), (666, 9276),

Gene: JenCasNa_13 Start: 6955, Stop: 8655, Start Num: 57

Candidate Starts for JenCasNa_13:

(Start: 57 @6955 has 139 MA's), (Start: 89 @7003 has 4 MA's), (166, 7138), (230, 7330), (258, 7417), (268, 7453), (310, 7615), (336, 7705), (356, 7768), (395, 7930), (470, 8128), (480, 8152), (481, 8155), (512, 8218), (519, 8239), (530, 8278), (556, 8374), (577, 8428), (598, 8464), (642, 8611), (666, 8641), (668, 8644),

Gene: JeppNRM_14 Start: 7027, Stop: 8727, Start Num: 57

Candidate Starts for JeppNRM_14:

(Start: 57 @7027 has 139 MA's), (Start: 89 @7075 has 4 MA's), (Start: 132 @7147 has 1 MA's), (166, 7210), (193, 7294), (258, 7489), (310, 7687), (336, 7777), (356, 7840), (363, 7879), (395, 8002), (470, 8200), (480, 8224), (481, 8227), (512, 8290), (516, 8302), (519, 8311), (530, 8350), (556, 8446), (577, 8500), (598, 8536), (642, 8683), (666, 8713), (668, 8716),

Gene: Jerm_14 Start: 7848, Stop: 9635, Start Num: 55

Candidate Starts for Jerm_14:

(Start: 55 @7848 has 222 MA's), (123, 7956), (133, 7977), (155, 8043), (156, 8049), (164, 8085), (172, 8109), (191, 8172), (256, 8367), (258, 8370), (295, 8478), (310, 8568), (316, 8592), (338, 8667), (352, 8709), (357, 8724), (439, 9024), (516, 9210), (523, 9237), (530, 9258), (556, 9354), (642, 9591), (666, 9621),

Gene: Jerm2_12 Start: 7221, Stop: 8909, Start Num: 61

Candidate Starts for Jerm2_12:

(Start: 61 @7221 has 24 MA's), (166, 7392), (Start: 169 @7401 has 2 MA's), (198, 7485), (202, 7512), (205, 7521), (258, 7671), (267, 7704), (295, 7779), (310, 7869), (316, 7893), (328, 7920), (338, 7968), (380, 8124), (395, 8184), (481, 8409), (486, 8418), (490, 8430), (512, 8472), (519, 8493), (529, 8520), (556, 8628), (598, 8718), (627, 8823),

Gene: Jester_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Jester_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (262, 3630), (287, 3690), (310, 3798), (378, 4053), (397, 4125), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: JetBlade_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for JetBlade_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Jevington_8 Start: 2746, Stop: 4392, Start Num: 53

Candidate Starts for Jevington_8:

(Start: 53 @2746 has 92 MA's), (Start: 142 @2896 has 2 MA's), (198, 3016), (201, 3040), (204, 3049), (239, 3142), (241, 3148), (243, 3157), (248, 3184), (259, 3205), (292, 3292), (304, 3364), (310, 3388), (339, 3487), (349, 3523), (357, 3541), (378, 3628), (398, 3664), (407, 3700), (470, 3850), (479, 3871), (516, 3961), (523, 3988), (546, 4069), (556, 4108), (567, 4129), (573, 4153), (605, 4213), (630, 4309),

Gene: JewelBug_15 Start: 7534, Stop: 9288, Start Num: 55

Candidate Starts for JewelBug_15:

(Start: 55 @7534 has 222 MA's), (164, 7765), (180, 7816), (191, 7852), (212, 7927), (258, 8050), (269, 8089), (295, 8158), (300, 8182), (301, 8185), (310, 8248), (316, 8272), (346, 8371), (347, 8374), (356, 8401), (357, 8404), (443, 8689), (476, 8776), (480, 8788), (512, 8851), (523, 8890), (530, 8911), (551, 8995), (556, 9007), (642, 9244), (665, 9271), (666, 9274),

Gene: Jiawan_12 Start: 8277, Stop: 9932, Start Num: 139

Candidate Starts for Jiawan_12:

(Start: 55 @8145 has 222 MA's), (Start: 68 @8160 has 32 MA's), (Start: 72 @8166 has 5 MA's), (139, 8277), (164, 8376), (212, 8538), (241, 8610), (258, 8664), (269, 8703), (295, 8775), (310, 8865), (316, 8889), (352, 9006), (357, 9021), (383, 9129), (402, 9204), (411, 9240), (429, 9300), (476, 9420), (484, 9441), (507, 9480), (523, 9534), (524, 9537), (530, 9555), (544, 9609), (551, 9639), (556, 9651), (598, 9741), (606, 9759), (642, 9888), (665, 9915), (666, 9918),

Gene: Jifall16_23 Start: 12784, Stop: 14511, Start Num: 81

Candidate Starts for Jifall16_23:

(9, 12550), (30, 12679), (Start: 81 @12784 has 11 MA's), (167, 12934), (183, 12985), (184, 12991), (197, 13030), (202, 13060), (209, 13084), (212, 13102), (219, 13129), (228, 13192), (233, 13210), (314, 13495), (322, 13522), (345, 13606), (367, 13690), (371, 13702), (381, 13735), (408, 13813), (444, 13891), (470, 13963), (485, 13996), (502, 14059), (512, 14086), (520, 14110), (529, 14134), (558, 14233), (576, 14281), (627, 14419), (636, 14449), (669, 14503),

Gene: Jinglebell_2 Start: 581, Stop: 2218, Start Num: 88

Candidate Starts for Jinglebell_2:

(Start: 86 @578 has 6 MA's), (Start: 88 @581 has 156 MA's), (Start: 101 @605 has 3 MA's), (Start: 121 @638 has 1 MA's), (Start: 134 @662 has 2 MA's), (136, 665), (168, 728), (184, 767), (208, 854), (209, 860), (224, 914), (238, 938), (241, 947), (242, 950), (245, 971), (251, 992), (276, 1064), (292, 1103), (303, 1172), (306, 1178), (314, 1208), (315, 1211), (316, 1220), (322, 1235), (328, 1253), (339, 1304), (365, 1397), (367, 1406), (422, 1577), (435, 1589), (470, 1673), (483, 1703), (485, 1706), (487, 1709), (512, 1766), (517, 1781), (519, 1787), (520, 1790), (523, 1805), (529, 1814), (545, 1883), (554, 1913), (558, 1922), (571, 1955), (583, 1988), (597, 2015), (611, 2048), (616, 2069), (618, 2075), (619, 2078), (623, 2099), (627, 2123), (630, 2132), (632, 2135), (660, 2192),

Gene: Jobu08_13 Start: 7026, Stop: 8726, Start Num: 57

Candidate Starts for Jobu08_13:

(Start: 57 @7026 has 139 MA's), (Start: 89 @7074 has 4 MA's), (166, 7209), (230, 7401), (258, 7488), (310, 7686), (336, 7776), (356, 7839), (395, 8001), (470, 8199), (480, 8223), (481, 8226), (512, 8289), (519, 8310), (530, 8349), (556, 8445), (577, 8499), (598, 8535), (642, 8682), (666, 8712), (668, 8715),

Gene: Joemato_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Joemato_2:

(Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1649), (556, 1904), (563, 1919), (583, 1973), (605, 2054), (626, 2138), (634, 2162),

Gene: JoeyJr_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for JoeyJr_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: JohnDoe_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for JohnDoe_2:

(Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1649), (556, 1904), (563, 1919), (605, 2054), (626, 2138), (634, 2162),

Gene: JoieB_36 Start: 11144, Stop: 12886, Start Num: 103

Candidate Starts for JoieB_36:

(Start: 103 @11144 has 70 MA's), (166, 11261), (180, 11306), (195, 11372), (196, 11387), (201, 11420), (202, 11423), (207, 11438), (214, 11462), (216, 11465), (230, 11495), (236, 11516), (239, 11534), (242, 11543), (249, 11579), (258, 11594), (273, 11639), (292, 11681), (298, 11720), (302, 11732), (304, 11753), (317, 11804), (328, 11825), (390, 12047), (416, 12152), (419, 12161), (450, 12194), (459, 12215), (460, 12218), (465, 12245), (470, 12275), (476, 12287), (481, 12302), (486, 12311), (488, 12317), (506, 12359), (508, 12368), (514, 12383), (519, 12398), (537, 12458), (544, 12497), (552, 12530), (567, 12560), (568, 12563), (590, 12647), (605, 12701), (610, 12716), (619, 12743), (630, 12797), (665, 12869), (666, 12872),

Gene: JoongJeon_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for JoongJeon_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480,

8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Jordennis_15 Start: 7523, Stop: 9277, Start Num: 55

Candidate Starts for Jordennis_15:

(Start: 55 @7523 has 222 MA's), (164, 7754), (180, 7805), (191, 7841), (212, 7916), (258, 8039), (269, 8078), (295, 8147), (300, 8171), (301, 8174), (310, 8237), (316, 8261), (356, 8390), (357, 8393), (386, 8504), (438, 8666), (470, 8753), (476, 8765), (480, 8777), (507, 8825), (512, 8840), (523, 8879), (530, 8900), (551, 8984), (556, 8996), (642, 9233), (665, 9260), (666, 9263),

Gene: Jorgensen_11 Start: 6804, Stop: 8492, Start Num: 54

Candidate Starts for Jorgensen_11:

(Start: 54 @6804 has 363 MA's), (Start: 169 @6984 has 2 MA's), (198, 7068), (205, 7104), (258, 7254), (295, 7362), (310, 7452), (316, 7476), (328, 7503), (338, 7551), (380, 7707), (395, 7767), (486, 8001), (490, 8013), (512, 8055), (519, 8076), (529, 8103), (556, 8211), (598, 8301), (627, 8406),

Gene: Joselito_12 Start: 8024, Stop: 9787, Start Num: 55

Candidate Starts for Joselito_12:

(Start: 55 @8024 has 222 MA's), (Start: 72 @8045 has 5 MA's), (123, 8132), (164, 8261), (172, 8285), (191, 8348), (241, 8492), (256, 8543), (258, 8546), (295, 8657), (300, 8681), (301, 8684), (310, 8747), (313, 8756), (316, 8771), (352, 8888), (357, 8903), (368, 8963), (392, 9047), (476, 9275), (480, 9287), (507, 9335), (512, 9350), (523, 9389), (530, 9410), (540, 9449), (551, 9494), (556, 9506), (642, 9743), (665, 9770),

Gene: JoshKayV_14 Start: 7836, Stop: 9626, Start Num: 55

Candidate Starts for JoshKayV_14:

(Start: 55 @7836 has 222 MA's), (123, 7944), (133, 7965), (164, 8073), (191, 8160), (258, 8361), (295, 8469), (310, 8559), (316, 8583), (352, 8700), (357, 8715), (439, 9015), (516, 9201), (523, 9228), (530, 9249), (556, 9345), (642, 9582), (666, 9612),

Gene: Journey13_10 Start: 6587, Stop: 8341, Start Num: 55

Candidate Starts for Journey13_10:

(Start: 55 @6587 has 222 MA's), (Start: 142 @6731 has 2 MA's), (164, 6818), (191, 6905), (256, 7100), (258, 7103), (269, 7142), (295, 7211), (310, 7301), (316, 7325), (346, 7424), (347, 7427), (356, 7454), (357, 7457), (441, 7742), (470, 7817), (476, 7829), (480, 7841), (507, 7889), (512, 7904), (530, 7964), (551, 8048), (556, 8060), (642, 8297), (665, 8324), (666, 8327), (668, 8330),

Gene: Jovo_9 Start: 6297, Stop: 8048, Start Num: 32

Candidate Starts for Jovo_9:

(Start: 29 @6270 has 19 MA's), (Start: 32 @6297 has 30 MA's), (66, 6366), (135, 6480), (139, 6486), (191, 6618), (212, 6693), (214, 6696), (262, 6831), (279, 6870), (287, 6894), (310, 7002), (324, 7047), (344, 7125), (346, 7131), (388, 7296), (397, 7329), (403, 7350), (470, 7524), (480, 7548), (481, 7551), (512, 7611), (516, 7623), (523, 7650), (530, 7671), (551, 7755), (556, 7767), (642, 8004), (668, 8037), (670, 8043),

Gene: Jsquared_11 Start: 6331, Stop: 8112, Start Num: 55

Candidate Starts for Jsquared_11:

(15, 6172), (Start: 55 @6331 has 222 MA's), (Start: 142 @6475 has 2 MA's), (155, 6520), (164, 6562), (172, 6586), (191, 6649), (207, 6703), (256, 6844), (258, 6847), (269, 6886), (295, 6955), (310, 7045), (316, 7069), (356, 7198), (357, 7201), (427, 7474), (523, 7714), (530, 7735), (551, 7819), (556, 7831), (642, 8068), (665, 8095), (666, 8098), (668, 8101),

Gene: Jstan_2 Start: 534, Stop: 2240, Start Num: 75

Candidate Starts for Jstan_2:

(Start: 75 @534 has 41 MA's), (Start: 132 @621 has 1 MA's), (240, 906), (258, 963), (263, 984), (274, 1011), (302, 1101), (313, 1155), (327, 1200), (346, 1275), (367, 1365), (412, 1488), (425, 1527), (470, 1650), (537, 1830), (544, 1863), (556, 1905), (563, 1920), (605, 2055), (616, 2091), (630, 2151), (634, 2163),

Gene: Juicebox_3 Start: 1306, Stop: 2937, Start Num: 80

Candidate Starts for Juicebox_3:

(78, 1303), (Start: 80 @1306 has 1 MA's), (91, 1315), (204, 1573), (235, 1663), (248, 1714), (250, 1720), (258, 1732), (327, 1972), (345, 2044), (363, 2119), (390, 2179), (416, 2284), (433, 2308), (459, 2350), (476, 2407), (481, 2422), (488, 2437), (508, 2470), (556, 2650), (578, 2707), (602, 2746), (629, 2848), (634, 2863), (668, 2926),

Gene: JuliaChild_13 Start: 7479, Stop: 9167, Start Num: 54

Candidate Starts for JuliaChild_13:

(Start: 54 @7479 has 363 MA's), (Start: 169 @7659 has 2 MA's), (198, 7743), (205, 7779), (212, 7806), (258, 7929), (295, 8037), (310, 8127), (316, 8151), (328, 8178), (338, 8226), (380, 8382), (395, 8442), (486, 8676), (490, 8688), (512, 8730), (519, 8751), (529, 8778), (556, 8886), (598, 8976), (627, 9081),

Gene: JuneStar_2 Start: 545, Stop: 2242, Start Num: 75

Candidate Starts for JuneStar_2:

(6, 242), (Start: 75 @545 has 41 MA's), (Start: 132 @632 has 1 MA's), (240, 917), (258, 974), (269, 1016), (302, 1112), (313, 1166), (346, 1286), (367, 1376), (470, 1661), (516, 1772), (537, 1841), (556, 1916), (563, 1931), (605, 2057), (626, 2141), (634, 2165),

Gene: Juniper1_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Juniper1_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 121 @628 has 1 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (358, 1345), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (577, 1963), (583, 1978), (594, 1993), (597, 2005), (611, 2038), (616, 2059), (618, 2065), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: KADY_14 Start: 7041, Stop: 8741, Start Num: 57

Candidate Starts for KADY_14:

(Start: 57 @7041 has 139 MA's), (Start: 89 @7089 has 4 MA's), (166, 7224), (230, 7416), (258, 7503), (310, 7701), (336, 7791), (356, 7854), (395, 8016), (470, 8214), (480, 8238), (481, 8241), (512, 8304), (519, 8325), (530, 8364), (556, 8460), (577, 8514), (598, 8550), (642, 8697), (666, 8727), (668, 8730),

Gene: KBG_12 Start: 7912, Stop: 9600, Start Num: 54

Candidate Starts for KBG_12:

(Start: 54 @7912 has 363 MA's), (Start: 169 @8092 has 2 MA's), (198, 8176), (205, 8212), (212, 8239), (258, 8362), (295, 8470), (310, 8560), (316, 8584), (338, 8659), (380, 8815), (395, 8875), (481, 9100), (486, 9109), (490, 9121), (512, 9163), (519, 9184), (529, 9211), (556, 9319), (598, 9409), (627, 9514),

Gene: KFPoly_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for KFPoly_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480,

8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: KSSJEB_11 Start: 6817, Stop: 8505, Start Num: 54

Candidate Starts for KSSJEB_11:

(Start: 54 @6817 has 363 MA's), (198, 7081), (201, 7105), (246, 7240), (258, 7267), (267, 7300), (295, 7375), (310, 7465), (316, 7489), (328, 7516), (338, 7564), (360, 7633), (380, 7720), (394, 7777), (395, 7780), (481, 8005), (486, 8014), (490, 8026), (512, 8068), (519, 8089), (529, 8116), (556, 8224), (598, 8314), (627, 8419),

Gene: Kabluna_27 Start: 11923, Stop: 13647, Start Num: 86

Candidate Starts for Kabluna_27:

(Start: 82 @11917 has 25 MA's), (Start: 86 @11923 has 6 MA's), (167, 12067), (183, 12118), (184, 12124), (192, 12151), (197, 12163), (202, 12193), (209, 12217), (212, 12235), (314, 12628), (322, 12655), (367, 12823), (371, 12835), (381, 12868), (408, 12946), (496, 13162), (502, 13192), (520, 13243), (532, 13291), (558, 13366), (562, 13378), (576, 13414), (627, 13552), (636, 13582),

Gene: Kachowdy_11 Start: 6549, Stop: 8246, Start Num: 54

Candidate Starts for Kachowdy_11:

(Start: 54 @6549 has 363 MA's), (102, 6621), (198, 6819), (250, 6993), (258, 7005), (269, 7044), (278, 7056), (295, 7113), (300, 7137), (310, 7203), (313, 7212), (336, 7293), (344, 7320), (380, 7458), (397, 7524), (403, 7545), (409, 7569), (411, 7578), (443, 7644), (470, 7719), (480, 7743), (481, 7746), (484, 7752), (488, 7761), (512, 7809), (530, 7869), (556, 7965), (573, 8010), (577, 8019), (632, 8172), (642, 8202), (666, 8232), (668, 8235),

Gene: Kaine_6 Start: 2218, Stop: 3864, Start Num: 53

Candidate Starts for Kaine_6:

(Start: 50 @2209 has 1 MA's), (Start: 53 @2218 has 92 MA's), (Start: 54 @2221 has 363 MA's), (Start: 68 @2236 has 32 MA's), (180, 2440), (191, 2476), (204, 2521), (239, 2614), (243, 2629), (248, 2656), (252, 2665), (259, 2677), (292, 2764), (301, 2812), (310, 2860), (339, 2959), (352, 2998), (392, 3112), (397, 3133), (407, 3172), (446, 3253), (470, 3322), (473, 3328), (479, 3343), (507, 3406), (545, 3538), (556, 3580), (569, 3607), (573, 3625), (599, 3673), (630, 3781),

Gene: Kalb97_14 Start: 7027, Stop: 8727, Start Num: 57

Candidate Starts for Kalb97_14:

(Start: 57 @7027 has 139 MA's), (Start: 89 @7075 has 4 MA's), (Start: 132 @7147 has 1 MA's), (166, 7210), (258, 7489), (310, 7687), (336, 7777), (356, 7840), (395, 8002), (470, 8200), (480, 8224), (481, 8227), (512, 8290), (516, 8302), (519, 8311), (523, 8329), (530, 8350), (556, 8446), (577, 8500), (598, 8536), (642, 8683), (666, 8713), (668, 8716),

Gene: Kalimba_2 Start: 593, Stop: 2281, Start Num: 79

Candidate Starts for Kalimba_2:

(Start: 79 @593 has 10 MA's), (187, 794), (235, 938), (243, 962), (258, 1007), (291, 1094), (302, 1148), (309, 1187), (346, 1322), (371, 1424), (412, 1535), (457, 1646), (470, 1697), (556, 1952), (563, 1967), (630, 2192), (634, 2204), (638, 2219),

Gene: Kalnoky_14 Start: 7029, Stop: 8729, Start Num: 57

Candidate Starts for Kalnoky_14:

(Start: 57 @7029 has 139 MA's), (Start: 89 @7077 has 4 MA's), (Start: 132 @7149 has 1 MA's), (166, 7212), (258, 7491), (310, 7689), (336, 7779), (356, 7842), (395, 8004), (470, 8202), (480, 8226), (481, 8229), (512, 8292), (516, 8304), (519, 8313), (523, 8331), (530, 8352), (556, 8448), (577, 8502), (598, 8538), (642, 8685), (666, 8715), (668, 8718),

Gene: Kalpine_15 Start: 9215, Stop: 11002, Start Num: 55

Candidate Starts for Kalpine_15:

(15, 9047), (23, 9098), (Start: 55 @9215 has 222 MA's), (123, 9323), (133, 9344), (164, 9452), (180, 9503), (191, 9539), (207, 9593), (212, 9614), (256, 9734), (258, 9737), (295, 9845), (310, 9935), (316, 9959), (347, 10061), (357, 10091), (470, 10478), (512, 10565), (516, 10577), (523, 10604), (524, 10607), (530, 10625), (556, 10721), (642, 10958), (665, 10985), (666, 10988), (668, 10991), (669, 10994),

Gene: Kampy_11 Start: 6885, Stop: 8582, Start Num: 54

Candidate Starts for Kampy_11:

(Start: 54 @6885 has 363 MA's), (Start: 74 @6909 has 1 MA's), (Start: 142 @7032 has 2 MA's), (185, 7122), (198, 7155), (230, 7254), (256, 7338), (258, 7341), (269, 7380), (295, 7449), (300, 7473), (310, 7539), (336, 7629), (380, 7794), (403, 7881), (411, 7914), (443, 7980), (469, 8052), (470, 8055), (480, 8079), (507, 8130), (512, 8145), (523, 8184), (530, 8205), (556, 8301), (642, 8538), (666, 8568), (668, 8571),

Gene: Kanely_12 Start: 7589, Stop: 9277, Start Num: 54

Candidate Starts for Kanely_12:

(Start: 54 @7589 has 363 MA's), (198, 7853), (201, 7877), (258, 8039), (267, 8072), (295, 8147), (310, 8237), (316, 8261), (328, 8288), (338, 8336), (380, 8492), (395, 8552), (486, 8786), (490, 8798), (512, 8840), (519, 8861), (529, 8888), (556, 8996), (598, 9086), (627, 9191),

Gene: Karhdo_2 Start: 588, Stop: 2225, Start Num: 88

Candidate Starts for Karhdo_2:

(Start: 88 @588 has 156 MA's), (94, 603), (Start: 101 @612 has 3 MA's), (Start: 105 @618 has 1 MA's), (Start: 121 @645 has 1 MA's), (Start: 134 @669 has 2 MA's), (136, 672), (168, 735), (174, 753), (184, 774), (208, 861), (209, 867), (224, 921), (233, 933), (238, 945), (241, 954), (242, 957), (245, 978), (251, 999), (260, 1014), (276, 1071), (292, 1110), (303, 1179), (306, 1185), (314, 1215), (315, 1218), (316, 1227), (322, 1242), (328, 1260), (339, 1311), (367, 1413), (422, 1584), (435, 1596), (449, 1614), (470, 1680), (483, 1710), (485, 1713), (487, 1716), (512, 1773), (517, 1788), (519, 1794), (520, 1797), (523, 1812), (529, 1821), (545, 1890), (554, 1920), (558, 1929), (571, 1962), (583, 1995), (597, 2022), (611, 2055), (618, 2082), (619, 2085), (623, 2106), (627, 2130), (630, 2139), (632, 2142), (660, 2199),

Gene: Katalie_7 Start: 2648, Stop: 4294, Start Num: 53

Candidate Starts for Katalie_7:

(Start: 53 @2648 has 92 MA's), (Start: 68 @2666 has 32 MA's), (180, 2870), (204, 2951), (248, 3086), (259, 3107), (277, 3152), (292, 3194), (304, 3266), (310, 3290), (339, 3389), (357, 3443), (367, 3500), (407, 3602), (431, 3662), (450, 3689), (479, 3773), (484, 3785), (516, 3863), (528, 3896), (546, 3971), (556, 4010), (567, 4031), (569, 4037), (573, 4055), (616, 4151), (630, 4211),

Gene: Katalie136_11 Start: 6893, Stop: 8590, Start Num: 54

Candidate Starts for Katalie136_11:

(Start: 54 @6893 has 363 MA's), (Start: 74 @6917 has 1 MA's), (198, 7163), (231, 7268), (256, 7346), (258, 7349), (269, 7388), (295, 7457), (300, 7481), (310, 7547), (336, 7637), (380, 7802), (403, 7889), (458, 8015), (469, 8060), (470, 8063), (480, 8087), (512, 8153), (523, 8192), (530, 8213), (556, 8309), (641, 8543), (642, 8546), (666, 8576), (668, 8579),

Gene: KatherineG_14 Start: 6808, Stop: 8505, Start Num: 55

Candidate Starts for KatherineG_14:

(Start: 55 @6808 has 222 MA's), (71, 6826), (166, 6988), (241, 7213), (258, 7267), (295, 7375), (301, 7402), (310, 7465), (316, 7489), (480, 8005), (512, 8068), (524, 8110), (556, 8224), (605, 8329), (642, 8461), (665, 8488), (666, 8491), (668, 8494),

Gene: KayGee_4 Start: 906, Stop: 2582, Start Num: 103

Candidate Starts for KayGee_4:

(Start: 103 @906 has 70 MA's), (Start: 132 @957 has 1 MA's), (141, 978), (167, 1023), (180, 1065), (191, 1101), (243, 1263), (252, 1299), (258, 1308), (259, 1311), (273, 1359), (279, 1371), (302, 1458), (349, 1638), (363, 1692), (409, 1872), (416, 1905), (459, 1971), (473, 2037), (476, 2043), (512, 2127), (537, 2208), (544, 2241), (569, 2310), (605, 2388), (632, 2487), (637, 2508), (641, 2514), (666, 2568), (668, 2571),

Gene: Kaylissa_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Kaylissa_2:

(6, 242), (8, 251), (Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1649), (556, 1904), (563, 1919), (583, 1973), (605, 2054), (626, 2138), (634, 2162),

Gene: Kazan_15 Start: 7539, Stop: 9293, Start Num: 55

Candidate Starts for Kazan_15:

(Start: 55 @7539 has 222 MA's), (164, 7770), (180, 7821), (191, 7857), (212, 7932), (258, 8055), (269, 8094), (295, 8163), (300, 8187), (301, 8190), (310, 8253), (316, 8277), (346, 8376), (347, 8379), (356, 8406), (357, 8409), (443, 8694), (476, 8781), (480, 8793), (512, 8856), (523, 8895), (530, 8916), (551, 9000), (556, 9012), (642, 9249), (665, 9276), (666, 9279),

Gene: KeAlii_2 Start: 518, Stop: 2215, Start Num: 77

Candidate Starts for KeAlii_2:

(Start: 77 @518 has 7 MA's), (Start: 89 @539 has 4 MA's), (240, 890), (258, 947), (302, 1085), (305, 1109), (327, 1184), (346, 1259), (425, 1511), (470, 1631), (546, 1850), (556, 1886), (563, 1901), (634, 2144),

Gene: Kenmech_14 Start: 8093, Stop: 9781, Start Num: 61

Candidate Starts for Kenmech_14:

(Start: 61 @8093 has 24 MA's), (Start: 169 @8273 has 2 MA's), (198, 8357), (202, 8384), (205, 8393), (258, 8543), (267, 8576), (295, 8651), (310, 8741), (316, 8765), (328, 8792), (338, 8840), (344, 8858), (360, 8909), (376, 8984), (380, 8996), (395, 9056), (486, 9290), (490, 9302), (512, 9344), (519, 9365), (529, 9392), (556, 9500), (598, 9590), (627, 9695),

Gene: Kenuha5_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Kenuha5_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Kerberos_15 Start: 7375, Stop: 9162, Start Num: 55

Candidate Starts for Kerberos_15:

(16, 7216), (19, 7243), (Start: 55 @7375 has 222 MA's), (123, 7483), (133, 7504), (155, 7570), (164, 7612), (191, 7699), (256, 7894), (258, 7897), (295, 8005), (310, 8095), (316, 8119), (346, 8218), (356, 8248), (357, 8251), (386, 8362), (439, 8551), (507, 8710), (512, 8725), (516, 8737), (523, 8764), (530, 8785), (551, 8869), (556, 8881), (598, 8971), (642, 9118), (665, 9145), (666, 9148),

Gene: Kersh_2 Start: 575, Stop: 2212, Start Num: 88

Candidate Starts for Kersh_2:

(Start: 88 @575 has 156 MA's), (91, 584), (Start: 101 @599 has 3 MA's), (Start: 114 @620 has 1 MA's), (Start: 121 @632 has 1 MA's), (Start: 134 @656 has 2 MA's), (136, 659), (143, 677), (168, 722), (184, 761), (208, 848), (224, 908), (233, 920), (238, 932), (241, 941), (242, 944), (245, 965), (251, 986), (260, 1001), (276, 1058), (292, 1097), (303, 1166), (306, 1172), (314, 1202), (315, 1205), (316, 1214), (322, 1229), (328, 1247), (339, 1298), (365, 1391), (367, 1400), (422, 1571), (435, 1583), (470, 1667), (483, 1697), (485, 1700), (487, 1703), (512, 1760), (517, 1775), (519, 1781), (520, 1784), (523, 1799), (529, 1808), (545, 1877), (554, 1907), (558, 1916), (571, 1949), (583, 1982), (597, 2009), (611, 2042), (618, 2069), (619, 2072), (623, 2093), (627, 2117), (630, 2126), (632, 2129), (660, 2186),

Gene: Keziacharles14_11 Start: 6280, Stop: 8064, Start Num: 55

Candidate Starts for Keziacharles14_11:

(Start: 55 @6280 has 222 MA's), (Start: 68 @6292 has 32 MA's), (Start: 72 @6298 has 5 MA's), (139, 6409), (164, 6508), (212, 6670), (241, 6742), (258, 6796), (269, 6835), (295, 6907), (310, 6997), (316, 7021), (338, 7096), (352, 7138), (357, 7153), (383, 7261), (402, 7336), (429, 7432), (458, 7492), (512, 7627), (523, 7666), (530, 7687), (551, 7771), (556, 7783), (598, 7873), (606, 7891), (642, 8020), (665, 8047), (666, 8050),

Gene: KidneyBean_24 Start: 12917, Stop: 14644, Start Num: 81

Candidate Starts for KidneyBean_24:

(9, 12683), (30, 12812), (Start: 81 @12917 has 11 MA's), (167, 13067), (183, 13118), (184, 13124), (197, 13163), (202, 13193), (209, 13217), (212, 13235), (219, 13262), (228, 13325), (314, 13628), (322, 13655), (345, 13739), (367, 13823), (371, 13835), (381, 13868), (408, 13946), (444, 14024), (470, 14096), (485, 14129), (502, 14192), (512, 14219), (520, 14243), (529, 14267), (558, 14366), (576, 14414), (627, 14552), (636, 14582), (669, 14636),

Gene: Killigrew_9 Start: 6454, Stop: 8142, Start Num: 54

Candidate Starts for Killigrew_9:

(Start: 54 @6454 has 363 MA's), (198, 6718), (201, 6742), (258, 6904), (267, 6937), (295, 7012), (310, 7102), (316, 7126), (328, 7153), (338, 7201), (376, 7345), (380, 7357), (395, 7417), (481, 7642), (486, 7651), (490, 7663), (512, 7705), (519, 7726), (529, 7753), (556, 7861), (598, 7951), (627, 8056),

Gene: Kimchi1738_12 Start: 6780, Stop: 8363, Start Num: 128

Candidate Starts for Kimchi1738_12:

(18, 6516), (24, 6552), (Start: 128 @6780 has 1 MA's), (151, 6834), (184, 6924), (190, 6948), (201, 6990), (202, 6993), (209, 7017), (233, 7092), (234, 7095), (245, 7137), (255, 7164), (261, 7182), (267, 7209), (272, 7227), (275, 7230), (295, 7284), (314, 7368), (315, 7371), (320, 7392), (328, 7413), (347, 7485), (358, 7515), (367, 7566), (397, 7647), (471, 7842), (476, 7851), (516, 7944), (523, 7971), (529, 7980), (562, 8091), (595, 8154), (627, 8265), (630, 8274), (669, 8355),

Gene: Kimona_8 Start: 4308, Stop: 6005, Start Num: 54

Candidate Starts for Kimona_8:

(Start: 54 @4308 has 363 MA's), (126, 4419), (198, 4578), (256, 4761), (258, 4764), (262, 4779), (269, 4803), (295, 4872), (300, 4896), (310, 4962), (313, 4971), (344, 5079), (380, 5217), (443, 5403), (480, 5502), (512, 5568), (516, 5580), (523, 5607), (530, 5628), (551, 5712), (556, 5724), (577, 5778), (641, 5958), (642, 5961), (666, 5991), (668, 5994),

Gene: KingCyrus_14 Start: 7824, Stop: 9611, Start Num: 55

Candidate Starts for KingCyrus_14:

(Start: 55 @7824 has 222 MA's), (123, 7932), (133, 7953), (164, 8061), (256, 8343), (258, 8346), (295, 8454), (310, 8544), (316, 8568), (352, 8685), (357, 8700), (439, 9000), (516, 9186), (523, 9213), (530, 9234), (556, 9330), (642, 9567), (666, 9597),

Gene: KingJulian_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for KingJulian_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: KingMidas_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for KingMidas_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Kingmustik0402_11 Start: 6876, Stop: 8573, Start Num: 54

Candidate Starts for Kingmustik0402_11:

(Start: 54 @6876 has 363 MA's), (Start: 74 @6900 has 1 MA's), (Start: 142 @7023 has 2 MA's), (185, 7113), (198, 7146), (230, 7245), (256, 7329), (258, 7332), (269, 7371), (295, 7440), (300, 7464), (310, 7530), (336, 7620), (380, 7785), (403, 7872), (411, 7905), (443, 7971), (469, 8043), (470, 8046), (480, 8070), (507, 8121), (512, 8136), (523, 8175), (530, 8196), (556, 8292), (642, 8529), (666, 8559), (668, 8562),

Gene: Kinmap_11 Start: 7441, Stop: 9138, Start Num: 60

Candidate Starts for Kinmap_11:

(60, 7441), (69, 7453), (126, 7543), (133, 7558), (193, 7702), (258, 7897), (285, 7969), (295, 8008), (310, 8098), (316, 8122), (438, 8527), (480, 8638), (516, 8713), (524, 8743), (556, 8857), (569, 8884), (642, 9094), (665, 9121), (666, 9124),

Gene: Kipper29_15 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for Kipper29_15:

(Start: 55 @7533 has 222 MA's), (164, 7764), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (346, 8370), (347, 8373), (356, 8400), (357, 8403), (443, 8688), (476, 8775), (480, 8787), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: KittenMittens_10 Start: 4782, Stop: 6473, Start Num: 54

Candidate Starts for KittenMittens_10:

(Start: 54 @4782 has 363 MA's), (Start: 74 @4806 has 1 MA's), (Start: 142 @4929 has 2 MA's), (176, 4998), (191, 5049), (198, 5061), (212, 5124), (243, 5202), (258, 5247), (269, 5286), (292, 5334), (295, 5355), (300, 5379), (310, 5430), (346, 5553), (387, 5700), (399, 5760), (411, 5805), (470, 5946), (493, 6000), (512, 6036), (523, 6075), (530, 6096), (556, 6192), (583, 6261), (642, 6429), (666, 6459), (668, 6462),

Gene: Koan_10 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Koan_10:

(13, 6707), (17, 6725), (Start: 20 @6755 has 1 MA's), (Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Koduck_12 Start: 6618, Stop: 8399, Start Num: 55

Candidate Starts for Koduck_12:

(15, 6459), (Start: 55 @6618 has 222 MA's), (Start: 142 @6762 has 2 MA's), (155, 6807), (164, 6849), (191, 6936), (207, 6990), (256, 7131), (258, 7134), (269, 7173), (295, 7242), (310, 7332), (316, 7356), (356, 7485), (357, 7488), (523, 8001), (524, 8004), (530, 8022), (551, 8106), (556, 8118), (642, 8355), (665, 8382), (666, 8385), (668, 8388),

Gene: Koella_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Koella_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Koko_15 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for Koko_15:

(Start: 55 @7533 has 222 MA's), (139, 7665), (164, 7764), (172, 7788), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (262, 8064), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (356, 8400), (357, 8403), (386, 8514), (438, 8676), (470, 8763), (476, 8775), (480, 8787), (507, 8835), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: Koreni_10 Start: 6533, Stop: 8230, Start Num: 54

Candidate Starts for Koreni_10:

(Start: 54 @6533 has 363 MA's), (Start: 74 @6557 has 1 MA's), (Start: 142 @6680 has 2 MA's), (185, 6770), (198, 6803), (230, 6902), (256, 6986), (258, 6989), (269, 7028), (295, 7097), (300, 7121), (310, 7187), (336, 7277), (380, 7442), (403, 7529), (411, 7562), (443, 7628), (469, 7700), (470, 7703), (480, 7727), (507, 7778), (512, 7793), (523, 7832), (530, 7853), (556, 7949), (642, 8186), (666, 8216), (668, 8219),

Gene: Krakatau_3 Start: 1235, Stop: 2872, Start Num: 88

Candidate Starts for Krakatau_3:

(Start: 88 @1235 has 156 MA's), (94, 1250), (Start: 101 @1259 has 3 MA's), (Start: 105 @1265 has 1 MA's), (Start: 121 @1292 has 1 MA's), (Start: 134 @1316 has 2 MA's), (136, 1319), (168, 1382), (174, 1400), (184, 1421), (208, 1508), (209, 1514), (224, 1568), (233, 1580), (238, 1592), (241, 1601), (242, 1604), (245, 1625), (251, 1646), (260, 1661), (276, 1718), (292, 1757), (303, 1826), (306, 1832), (314, 1862), (315, 1865), (316, 1874), (322, 1889), (328, 1907), (339, 1958), (367, 2060), (422, 2231), (435, 2243), (449, 2261), (470, 2327), (483, 2357), (485, 2360), (487, 2363), (512, 2420), (517, 2435), (519, 2441), (520, 2444), (523, 2459), (529, 2468), (545, 2537), (554, 2567), (558, 2576), (571, 2609), (583, 2642), (597, 2669), (611, 2702), (618, 2729), (619, 2732), (623, 2753), (627, 2777), (630, 2786), (632, 2789), (660, 2846),

Gene: Kratak_11 Start: 6879, Stop: 8576, Start Num: 54

Candidate Starts for Kratak_11:

(Start: 54 @6879 has 363 MA's), (Start: 74 @6903 has 1 MA's), (Start: 142 @7026 has 2 MA's), (185, 7116), (198, 7149), (230, 7248), (256, 7332), (258, 7335), (269, 7374), (295, 7443), (300, 7467), (310, 7533), (336, 7623), (380, 7788), (403, 7875), (411, 7908), (443, 7974), (469, 8046), (470, 8049), (480, 8073), (507, 8124), (512, 8139), (523, 8178), (530, 8199), (556, 8295), (642, 8532), (666, 8562), (668, 8565),

Gene: Kremtemulon_11 Start: 6929, Stop: 8626, Start Num: 54

Candidate Starts for Kremtemulon_11:

(Start: 54 @6929 has 363 MA's), (Start: 74 @6953 has 1 MA's), (Start: 142 @7076 has 2 MA's), (185, 7166), (198, 7199), (230, 7298), (256, 7382), (258, 7385), (269, 7424), (295, 7493), (310, 7583), (336, 7673), (380, 7838), (403, 7925), (411, 7958), (469, 8096), (470, 8099), (480, 8123), (512, 8189), (523, 8228), (530, 8249), (556, 8345), (641, 8579), (642, 8582), (666, 8612), (668, 8615),

Gene: Krishelle_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Krishelle_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (446, 4236), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: KristaRAM_3 Start: 1235, Stop: 2872, Start Num: 88

Candidate Starts for KristaRAM_3:

(Start: 88 @1235 has 156 MA's), (94, 1250), (Start: 101 @1259 has 3 MA's), (Start: 105 @1265 has 1 MA's), (Start: 121 @1292 has 1 MA's), (Start: 134 @1316 has 2 MA's), (136, 1319), (168, 1382), (174, 1400), (184, 1421), (208, 1508), (209, 1514), (224, 1568), (238, 1592), (241, 1601), (242, 1604), (245, 1625), (251, 1646), (260, 1661), (276, 1718), (292, 1757), (303, 1826), (306, 1832), (314, 1862), (315, 1865), (316, 1874), (322, 1889), (328, 1907), (339, 1958), (367, 2060), (422, 2231), (435, 2243), (449, 2261), (470, 2327), (483, 2357), (485, 2360), (487, 2363), (512, 2420), (517, 2435), (519, 2441), (520, 2444), (523, 2459), (529, 2468), (545, 2537), (554, 2567), (558, 2576), (571, 2609), (583, 2642), (597, 2669), (611, 2702), (618, 2729), (619, 2732), (623, 2753), (627, 2777), (630, 2786), (632, 2789), (660, 2846),

Gene: Kristoff_12 Start: 6880, Stop: 8556, Start Num: 54

Candidate Starts for Kristoff_12:

(Start: 54 @6880 has 363 MA's), (Start: 142 @7012 has 2 MA's), (198, 7144), (208, 7189), (243, 7285), (258, 7330), (269, 7369), (292, 7417), (295, 7438), (300, 7462), (310, 7513), (346, 7636), (380, 7768), (399, 7843), (411, 7888), (443, 7954), (470, 8029), (480, 8053), (481, 8056), (512, 8119), (523, 8158), (524, 8161), (530, 8179), (556, 8275), (583, 8344), (642, 8512), (666, 8542), (668, 8545),

Gene: Kromp_2 Start: 782, Stop: 2422, Start Num: 90

Candidate Starts for Kromp_2:

(Start: 90 @782 has 1 MA's), (118, 833), (171, 914), (205, 1049), (233, 1175), (258, 1262), (297, 1385), (300, 1394), (304, 1421), (308, 1436), (309, 1439), (319, 1478), (328, 1493), (336, 1532), (374, 1646), (390, 1679), (411, 1763), (448, 1829), (459, 1850), (460, 1853), (520, 2027), (524, 2045), (552, 2123), (562, 2147), (566, 2153), (618, 2285), (627, 2327), (628, 2330), (658, 2408), (661, 2414),

Gene: Kugel_12 Start: 7046, Stop: 8737, Start Num: 54

Candidate Starts for Kugel_12:

(Start: 54 @7046 has 363 MA's), (198, 7310), (209, 7361), (258, 7496), (295, 7607), (300, 7631), (310, 7697), (316, 7721), (363, 7889), (394, 8009), (395, 8012), (470, 8210), (481, 8237), (515, 8309), (519, 8321), (524, 8342), (540, 8399), (556, 8456), (598, 8546), (599, 8549), (630, 8660), (632, 8663), (642, 8693), (666, 8723), (668, 8726),

Gene: Kurt_24 Start: 13154, Stop: 14881, Start Num: 81

Candidate Starts for Kurt_24:

(9, 12920), (30, 13049), (Start: 81 @13154 has 11 MA's), (167, 13304), (183, 13355), (184, 13361), (197, 13400), (202, 13430), (209, 13454), (212, 13472), (219, 13499), (228, 13562), (233, 13580), (314, 13865), (322, 13892), (345, 13976), (367, 14060), (371, 14072), (381, 14105), (408, 14183), (444, 14261), (470, 14333), (485, 14366), (502, 14429), (512, 14456), (520, 14480), (529, 14504), (558, 14603), (576, 14651), (627, 14789), (636, 14819), (669, 14873),

Gene: Kuwabara_2 Start: 486, Stop: 2147, Start Num: 103

Candidate Starts for Kuwabara_2:

(28, 324), (33, 357), (34, 360), (56, 411), (64, 420), (Start: 84 @453 has 10 MA's), (Start: 103 @486 has 70 MA's), (Start: 132 @537 has 1 MA's), (139, 549), (148, 576), (187, 666), (191, 681), (202, 720), (210, 747), (212, 756), (214, 759), (230, 792), (243, 843), (252, 879), (254, 882), (258, 888), (263, 903), (264, 906), (278, 942), (295, 996), (304, 1047), (310, 1071), (336, 1158), (353, 1218), (363, 1263), (373, 1299), (385, 1341), (396, 1395), (403, 1419), (409, 1443), (436, 1503), (442, 1509), (465, 1572), (480, 1626), (488, 1644), (512, 1701), (516, 1713), (523, 1740), (546, 1821), (553, 1851), (570, 1890), (579, 1914), (605, 1962), (606, 1965), (630, 2058), (632, 2061), (636, 2079), (641, 2088), (648, 2100), (668, 2136),

Gene: KyMonks1A_13 Start: 7323, Stop: 9011, Start Num: 54

Candidate Starts for KyMonks1A_13:

(Start: 54 @7323 has 363 MA's), (Start: 169 @7503 has 2 MA's), (198, 7587), (205, 7623), (212, 7650), (258, 7773), (295, 7881), (310, 7971), (316, 7995), (328, 8022), (338, 8070), (380, 8226), (395, 8286), (481, 8511), (486, 8520), (490, 8532), (512, 8574), (519, 8595), (529, 8622), (556, 8730), (598, 8820), (627, 8925),

Gene: Kyee_11 Start: 6885, Stop: 8582, Start Num: 54

Candidate Starts for Kyee_11:

(13, 6708), (17, 6726), (Start: 20 @6756 has 1 MA's), (Start: 54 @6885 has 363 MA's), (Start: 74 @6909 has 1 MA's), (Start: 142 @7032 has 2 MA's), (185, 7122), (198, 7155), (230, 7254), (256, 7338), (258, 7341), (269, 7380), (295, 7449), (300, 7473), (310, 7539), (336, 7629), (380, 7794), (403, 7881), (411, 7914), (443, 7980), (469, 8052), (470, 8055), (480, 8079), (507, 8130), (512, 8145), (523, 8184), (530, 8205), (556, 8301), (642, 8538), (666, 8568), (668, 8571),

Gene: Kykar_9 Start: 6543, Stop: 8234, Start Num: 54

Candidate Starts for Kykar_9:

(Start: 54 @6543 has 363 MA's), (Start: 169 @6723 has 2 MA's), (198, 6807), (209, 6858), (258, 6993), (295, 7104), (300, 7128), (310, 7194), (316, 7218), (363, 7386), (394, 7506), (395, 7509), (470, 7707), (481, 7734), (515, 7806), (519, 7818), (524, 7839), (540, 7896), (556, 7953), (598, 8043), (599, 8046), (630, 8157), (632, 8160), (642, 8190), (666, 8220), (668, 8223),

Gene: L5_13 Start: 6626, Stop: 8407, Start Num: 55

Candidate Starts for L5_13:

(15, 6467), (Start: 55 @6626 has 222 MA's), (Start: 142 @6770 has 2 MA's), (155, 6815), (164, 6857), (191, 6944), (207, 6998), (256, 7139), (258, 7142), (269, 7181), (295, 7250), (310, 7340), (316, 7364), (356, 7493), (357, 7496), (523, 8009), (524, 8012), (530, 8030), (551, 8114), (556, 8126), (642, 8363), (665, 8390), (666, 8393), (668, 8396),

Gene: LBerry_13 Start: 6957, Stop: 8657, Start Num: 57

Candidate Starts for LBerry_13:

(Start: 57 @6957 has 139 MA's), (Start: 89 @7005 has 4 MA's), (166, 7140), (230, 7332), (258, 7419), (310, 7617), (336, 7707), (356, 7770), (395, 7932), (470, 8130), (480, 8154), (481, 8157), (512, 8220),

(519, 8241), (530, 8280), (556, 8376), (577, 8430), (598, 8466), (642, 8613), (666, 8643), (668, 8646),

Gene: LHTSCC_11 Start: 6861, Stop: 8558, Start Num: 54

Candidate Starts for LHTSCC_11:

(Start: 54 @6861 has 363 MA's), (Start: 74 @6885 has 1 MA's), (Start: 142 @7008 has 2 MA's), (185, 7098), (198, 7131), (256, 7314), (258, 7317), (269, 7356), (295, 7425), (300, 7449), (310, 7515), (336, 7605), (380, 7770), (403, 7857), (411, 7890), (443, 7956), (469, 8028), (480, 8055), (507, 8106), (512, 8121), (523, 8160), (530, 8181), (556, 8277), (642, 8514), (666, 8544), (668, 8547),

Gene: LadyAstra_2 Start: 553, Stop: 2268, Start Num: 53

Candidate Starts for LadyAstra_2:

(Start: 53 @553 has 92 MA's), (Start: 132 @652 has 1 MA's), (235, 925), (248, 976), (258, 994), (274, 1042), (280, 1054), (302, 1135), (346, 1309), (366, 1396), (412, 1522), (481, 1711), (516, 1795), (556, 1939), (563, 1954), (605, 2083), (634, 2191), (666, 2254),

Gene: LadyBird_12 Start: 7410, Stop: 9197, Start Num: 55

Candidate Starts for LadyBird_12:

(Start: 55 @7410 has 222 MA's), (123, 7518), (133, 7539), (164, 7647), (172, 7671), (256, 7929), (258, 7932), (295, 8040), (310, 8130), (316, 8154), (352, 8271), (357, 8286), (439, 8586), (516, 8772), (523, 8799), (530, 8820), (556, 8916), (642, 9153), (665, 9180), (666, 9183),

Gene: Lambert1_12 Start: 7044, Stop: 8741, Start Num: 54

Candidate Starts for Lambert1_12:

(Start: 54 @7044 has 363 MA's), (Start: 74 @7068 has 1 MA's), (198, 7314), (250, 7488), (258, 7500), (269, 7539), (278, 7551), (295, 7608), (300, 7632), (310, 7698), (313, 7707), (336, 7788), (346, 7821), (380, 7953), (386, 7965), (397, 8019), (403, 8040), (411, 8073), (438, 8127), (470, 8214), (480, 8238), (481, 8241), (484, 8247), (488, 8256), (512, 8304), (523, 8343), (524, 8346), (530, 8364), (556, 8460), (577, 8514), (632, 8667), (642, 8697), (666, 8727), (668, 8730),

Gene: Lamina13_11 Start: 6599, Stop: 8287, Start Num: 54

Candidate Starts for Lamina13_11:

(Start: 54 @6599 has 363 MA's), (Start: 169 @6779 has 2 MA's), (198, 6863), (201, 6887), (258, 7049), (267, 7082), (295, 7157), (310, 7247), (316, 7271), (328, 7298), (338, 7346), (380, 7502), (383, 7511), (395, 7562), (486, 7796), (490, 7808), (512, 7850), (519, 7871), (529, 7898), (556, 8006), (598, 8096), (627, 8201),

Gene: Landor_13 Start: 9202, Stop: 10980, Start Num: 55

Candidate Starts for Landor_13:

(Start: 55 @9202 has 222 MA's), (Start: 72 @9220 has 5 MA's), (139, 9331), (Start: 142 @9343 has 2 MA's), (154, 9385), (157, 9397), (158, 9406), (164, 9430), (191, 9517), (256, 9712), (258, 9715), (269, 9754), (295, 9823), (310, 9913), (316, 9937), (346, 10036), (357, 10069), (439, 10369), (470, 10456), (516, 10555), (523, 10582), (530, 10603), (556, 10699), (642, 10936), (665, 10963), (666, 10966),

Gene: Lannister_7 Start: 2384, Stop: 4030, Start Num: 53

Candidate Starts for Lannister_7:

(Start: 53 @2384 has 92 MA's), (180, 2606), (204, 2687), (248, 2822), (259, 2843), (277, 2888), (292, 2930), (304, 3002), (310, 3026), (339, 3125), (357, 3179), (407, 3338), (431, 3398), (479, 3509), (516, 3599), (546, 3707), (556, 3746), (567, 3767), (569, 3773), (573, 3791), (616, 3887), (630, 3947),

Gene: LappelDuVide_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for LappelDuVide_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310,

7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Larenn_13 Start: 7730, Stop: 9493, Start Num: 55

Candidate Starts for Larenn_13:

(Start: 55 @7730 has 222 MA's), (123, 7838), (133, 7859), (164, 7967), (172, 7991), (256, 8252), (258, 8255), (269, 8294), (295, 8363), (310, 8453), (316, 8477), (352, 8594), (357, 8609), (438, 8882), (470, 8969), (476, 8981), (480, 8993), (507, 9041), (512, 9056), (523, 9095), (530, 9116), (556, 9212), (642, 9449), (665, 9476), (666, 9479), (668, 9482), (669, 9485),

Gene: LarryKay_13 Start: 7043, Stop: 8743, Start Num: 57

Candidate Starts for LarryKay_13:

(Start: 57 @7043 has 139 MA's), (Start: 89 @7091 has 4 MA's), (166, 7226), (230, 7418), (258, 7505), (310, 7703), (336, 7793), (356, 7856), (395, 8018), (470, 8216), (480, 8240), (481, 8243), (512, 8306), (519, 8327), (530, 8366), (556, 8462), (577, 8516), (598, 8552), (642, 8699), (666, 8729), (668, 8732),

Gene: LastJedi_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for LastJedi_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: LastResort_14 Start: 6686, Stop: 8383, Start Num: 55

Candidate Starts for LastResort_14:

(Start: 55 @6686 has 222 MA's), (71, 6704), (166, 6866), (212, 7022), (241, 7091), (258, 7145), (295, 7253), (301, 7280), (310, 7343), (316, 7367), (480, 7883), (512, 7946), (524, 7988), (556, 8102), (605, 8207), (642, 8339), (665, 8366), (666, 8369), (668, 8372),

Gene: Latretium_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Latretium_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 121 @628 has 1 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (174, 736), (184, 757), (208, 844), (209, 850), (224, 904), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (260, 997), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (577, 1963), (583, 1978), (597, 2005), (611, 2038), (618, 2065), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Lauer_3 Start: 958, Stop: 2634, Start Num: 103

Candidate Starts for Lauer_3:

(Start: 103 @958 has 70 MA's), (Start: 132 @1009 has 1 MA's), (141, 1030), (167, 1075), (191, 1153), (210, 1219), (243, 1315), (252, 1351), (258, 1360), (259, 1363), (273, 1411), (279, 1423), (302, 1510), (349, 1690), (363, 1744), (409, 1924), (416, 1957), (459, 2023), (473, 2089), (476, 2095), (512, 2179), (537, 2260), (544, 2293), (569, 2362), (605, 2440), (632, 2539), (637, 2560), (641, 2566), (666, 2620), (668, 2623),

Gene: Legacy_6 Start: 2382, Stop: 4028, Start Num: 53

Candidate Starts for Legacy_6:

(Start: 53 @2382 has 92 MA's), (Start: 68 @2400 has 32 MA's), (180, 2604), (204, 2685), (248, 2820), (259, 2841), (292, 2928), (304, 3000), (310, 3024), (339, 3123), (357, 3177), (392, 3276), (407, 3336), (476, 3498), (479, 3507), (516, 3597), (523, 3624), (545, 3702), (546, 3705), (556, 3744), (567, 3765), (569, 3771), (573, 3789), (616, 3885), (630, 3945),

Gene: Lego_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Lego_2:

(6, 242), (8, 251), (Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1649), (556, 1904), (563, 1919), (583, 1973), (605, 2054), (634, 2162),

Gene: Lemur_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Lemur_11:

(13, 6707), (17, 6725), (Start: 20 @6755 has 1 MA's), (Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: LeoAvram_11 Start: 7031, Stop: 8581, Start Num: 142

Candidate Starts for LeoAvram_11:

(13, 6707), (17, 6725), (Start: 20 @6755 has 1 MA's), (Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Leogania_14 Start: 9575, Stop: 11362, Start Num: 55

Candidate Starts for Leogania_14:

(Start: 55 @9575 has 222 MA's), (123, 9683), (133, 9704), (164, 9812), (191, 9899), (207, 9953), (256, 10094), (258, 10097), (269, 10136), (295, 10205), (310, 10295), (316, 10319), (352, 10436), (357, 10451), (439, 10751), (470, 10838), (516, 10937), (523, 10964), (530, 10985), (556, 11081), (642, 11318), (665, 11345), (666, 11348),

Gene: Leperchaun_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Leperchaun_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (367, 1397), (422, 1568), (435, 1580), (449, 1598), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Lesedi_10 Start: 6758, Stop: 8446, Start Num: 54

Candidate Starts for Lesedi_10:

(Start: 54 @6758 has 363 MA's), (198, 7022), (201, 7046), (258, 7208), (267, 7241), (295, 7316), (310, 7406), (316, 7430), (328, 7457), (338, 7505), (360, 7574), (380, 7661), (395, 7721), (486, 7955), (490, 7967), (512, 8009), (519, 8030), (529, 8057), (556, 8165), (598, 8255), (627, 8360),

Gene: Lev2_9 Start: 6005, Stop: 7756, Start Num: 32

Candidate Starts for Lev2_9:

(Start: 29 @5978 has 19 MA's), (Start: 32 @6005 has 30 MA's), (66, 6074), (Start: 90 @6113 has 1 MA's), (135, 6188), (139, 6194), (191, 6326), (212, 6401), (214, 6404), (262, 6539), (279, 6578), (287, 6602), (310, 6710), (324, 6755), (344, 6833), (346, 6839), (388, 7004), (397, 7037), (403, 7058), (470, 7232), (480, 7256), (481, 7259), (512, 7319), (516, 7331), (523, 7358), (530, 7379), (551, 7463), (556, 7475), (642, 7712), (668, 7745), (670, 7751),

Gene: Leviathan_14 Start: 7880, Stop: 9667, Start Num: 55

Candidate Starts for Leviathan_14:

(Start: 55 @7880 has 222 MA's), (123, 7988), (133, 8009), (155, 8075), (156, 8081), (164, 8117), (172, 8141), (191, 8204), (256, 8399), (258, 8402), (295, 8510), (310, 8600), (316, 8624), (338, 8699), (352, 8741), (357, 8756), (439, 9056), (516, 9242), (523, 9269), (530, 9290), (556, 9386), (642, 9623), (666, 9653),

Gene: Leviticus_6 Start: 2420, Stop: 4048, Start Num: 68

Candidate Starts for Leviticus_6:

(Start: 53 @2402 has 92 MA's), (Start: 68 @2420 has 32 MA's), (180, 2624), (204, 2705), (248, 2840), (259, 2861), (292, 2948), (304, 3020), (310, 3044), (339, 3143), (357, 3197), (392, 3296), (407, 3356), (476, 3518), (479, 3527), (516, 3617), (523, 3644), (545, 3722), (546, 3725), (556, 3764), (567, 3785), (569, 3791), (573, 3809), (616, 3905), (630, 3965),

Gene: Licorice_13 Start: 7615, Stop: 9303, Start Num: 54

Candidate Starts for Licorice_13:

(Start: 54 @7615 has 363 MA's), (198, 7879), (201, 7903), (258, 8065), (267, 8098), (295, 8173), (310, 8263), (316, 8287), (328, 8314), (338, 8362), (380, 8518), (395, 8578), (481, 8803), (486, 8812), (490, 8824), (512, 8866), (519, 8887), (529, 8914), (556, 9022), (598, 9112), (627, 9217),

Gene: Liebe_2 Start: 532, Stop: 2271, Start Num: 52

Candidate Starts for Liebe_2:

(Start: 52 @532 has 3 MA's), (Start: 90 @592 has 1 MA's), (Start: 95 @601 has 23 MA's), (Start: 132 @655 has 1 MA's), (185, 778), (231, 916), (235, 928), (243, 952), (258, 997), (274, 1045), (302, 1138), (327, 1237), (328, 1240), (341, 1297), (366, 1399), (367, 1402), (397, 1468), (412, 1525), (435, 1594), (481, 1714), (546, 1906), (556, 1942), (563, 1957), (616, 2122), (634, 2194), (638, 2209), (641, 2212), (666, 2257),

Gene: Lika_6 Start: 2381, Stop: 4027, Start Num: 53

Candidate Starts for Lika_6:

(Start: 53 @2381 has 92 MA's), (Start: 68 @2399 has 32 MA's), (180, 2603), (191, 2639), (248, 2819), (259, 2840), (292, 2927), (304, 2999), (310, 3023), (339, 3122), (344, 3137), (352, 3161), (354, 3167), (407, 3335), (470, 3485), (479, 3506), (516, 3596), (546, 3704), (556, 3743), (567, 3764), (569, 3770), (573, 3788), (630, 3944),

Gene: LilBib_12 Start: 7558, Stop: 9246, Start Num: 54

Candidate Starts for LilBib_12:

(Start: 54 @7558 has 363 MA's), (Start: 169 @7738 has 2 MA's), (198, 7822), (205, 7858), (212, 7885), (258, 8008), (295, 8116), (310, 8206), (316, 8230), (328, 8257), (338, 8305), (380, 8461), (395, 8521), (486, 8755), (490, 8767), (512, 8809), (519, 8830), (529, 8857), (556, 8965), (598, 9055), (627, 9160),

Gene: LilMoolah_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for LilMoolah_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (143, 674), (168, 719), (184, 758), (208, 845), (209,

851), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: LilTurb_14 Start: 7907, Stop: 9694, Start Num: 55

Candidate Starts for LilTurb_14:

(Start: 55 @7907 has 222 MA's), (123, 8015), (133, 8036), (155, 8102), (156, 8108), (164, 8144), (172, 8168), (191, 8231), (256, 8426), (258, 8429), (295, 8537), (310, 8627), (316, 8651), (338, 8726), (352, 8768), (357, 8783), (439, 9083), (516, 9269), (523, 9296), (530, 9317), (556, 9413), (642, 9650), (666, 9680),

Gene: Lilas_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for Lilas_2:

(Start: 57 @485 has 139 MA's), (140, 623), (149, 650), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (281, 1052), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (361, 1376), (363, 1382), (366, 1400), (371, 1415), (447, 1589), (460, 1616), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (560, 1961), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (666, 2270), (668, 2273),

Gene: Lilbit_36 Start: 11121, Stop: 12863, Start Num: 103

Candidate Starts for Lilbit_36:

(Start: 103 @11121 has 70 MA's), (166, 11238), (180, 11283), (195, 11349), (196, 11364), (201, 11397), (202, 11400), (207, 11415), (214, 11439), (216, 11442), (230, 11472), (236, 11493), (239, 11511), (242, 11520), (249, 11556), (258, 11571), (273, 11616), (292, 11658), (298, 11697), (302, 11709), (304, 11730), (317, 11781), (328, 11802), (390, 12024), (416, 12129), (419, 12138), (450, 12171), (459, 12192), (460, 12195), (465, 12222), (470, 12252), (476, 12264), (481, 12279), (486, 12288), (488, 12294), (506, 12336), (508, 12345), (514, 12360), (519, 12375), (537, 12435), (544, 12474), (552, 12507), (567, 12537), (568, 12540), (590, 12624), (605, 12678), (610, 12693), (619, 12720), (630, 12774), (665, 12846), (666, 12849),

Gene: Lilbooboo_2 Start: 588, Stop: 2150, Start Num: 129

Candidate Starts for Lilbooboo_2:

(Start: 129 @588 has 2 MA's), (215, 813), (226, 861), (245, 942), (246, 945), (258, 966), (259, 969), (278, 1017), (289, 1050), (296, 1080), (298, 1095), (307, 1134), (325, 1188), (362, 1311), (372, 1344), (414, 1476), (449, 1539), (453, 1545), (468, 1614), (472, 1620), (491, 1665), (493, 1671), (509, 1719), (534, 1824), (535, 1827), (539, 1845), (544, 1872), (562, 1920), (600, 2001), (610, 2025), (612, 2028), (628, 2100),

Gene: Lilbunny_15 Start: 7514, Stop: 9268, Start Num: 55

Candidate Starts for Lilbunny_15:

(Start: 55 @7514 has 222 MA's), (139, 7646), (164, 7745), (172, 7769), (180, 7796), (191, 7832), (212, 7907), (258, 8030), (262, 8045), (269, 8069), (295, 8138), (300, 8162), (301, 8165), (310, 8228), (316, 8252), (356, 8381), (357, 8384), (386, 8495), (438, 8657), (470, 8744), (476, 8756), (480, 8768), (507, 8816), (512, 8831), (523, 8870), (530, 8891), (551, 8975), (556, 8987), (642, 9224), (665, 9251), (666, 9254),

Gene: Lilith_13 Start: 6950, Stop: 8650, Start Num: 57

Candidate Starts for Lilith_13:

(Start: 57 @6950 has 139 MA's), (Start: 89 @6998 has 4 MA's), (166, 7133), (230, 7325), (258, 7412), (310, 7610), (336, 7700), (356, 7763), (395, 7925), (470, 8123), (480, 8147), (481, 8150), (512, 8213), (519, 8234), (530, 8273), (556, 8369), (577, 8423), (598, 8459), (642, 8606), (666, 8636), (668, 8639),

Gene: Lilleskat_11 Start: 8130, Stop: 9896, Start Num: 72

Candidate Starts for Lilleskat_11:

(Start: 55 @8109 has 222 MA's), (Start: 68 @8124 has 32 MA's), (Start: 72 @8130 has 5 MA's), (139, 8241), (164, 8340), (212, 8502), (241, 8574), (258, 8628), (269, 8667), (295, 8739), (310, 8829), (316, 8853), (352, 8970), (357, 8985), (383, 9093), (402, 9168), (411, 9204), (429, 9264), (476, 9384), (484, 9405), (507, 9444), (523, 9498), (524, 9501), (530, 9519), (544, 9573), (551, 9603), (556, 9615), (598, 9705), (606, 9723), (642, 9852), (665, 9879), (666, 9882),

Gene: Lillie_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Lillie_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (469, 4308), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: LionsBait_13 Start: 9186, Stop: 10973, Start Num: 55

Candidate Starts for LionsBait_13:

(Start: 55 @9186 has 222 MA's), (123, 9294), (133, 9315), (161, 9405), (164, 9423), (172, 9447), (256, 9705), (258, 9708), (269, 9747), (295, 9816), (310, 9906), (316, 9930), (352, 10047), (357, 10062), (516, 10548), (523, 10575), (530, 10596), (556, 10692), (642, 10929), (665, 10956), (666, 10959),

Gene: LittleB_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for LittleB_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (250, 7328), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: LittleCherry_9 Start: 6189, Stop: 7940, Start Num: 32

Candidate Starts for LittleCherry_9:

(Start: 29 @6162 has 19 MA's), (Start: 32 @6189 has 30 MA's), (66, 6258), (135, 6372), (139, 6378), (191, 6510), (212, 6585), (214, 6588), (230, 6621), (241, 6654), (279, 6762), (287, 6786), (295, 6819), (310, 6894), (324, 6939), (344, 7017), (346, 7023), (360, 7068), (397, 7221), (403, 7242), (470, 7416), (480, 7440), (481, 7443), (512, 7503), (516, 7515), (523, 7542), (530, 7563), (551, 7647), (556, 7659), (642, 7896), (668, 7929), (670, 7935),

Gene: LittleGuy_11 Start: 6827, Stop: 8524, Start Num: 54

Candidate Starts for LittleGuy_11:

(13, 6650), (17, 6668), (Start: 20 @6698 has 1 MA's), (Start: 54 @6827 has 363 MA's), (Start: 74 @6851 has 1 MA's), (Start: 142 @6974 has 2 MA's), (185, 7064), (198, 7097), (230, 7196), (256, 7280), (258, 7283), (269, 7322), (295, 7391), (300, 7415), (310, 7481), (336, 7571), (380, 7736), (403, 7823), (411, 7856), (443, 7922), (469, 7994), (470, 7997), (480, 8021), (507, 8072), (512, 8087), (523, 8126), (530, 8147), (556, 8243), (642, 8480), (666, 8510), (668, 8513),

Gene: LittleLaf_35 Start: 10850, Stop: 12592, Start Num: 103

Candidate Starts for LittleLaf_35:

(Start: 103 @10850 has 70 MA's), (166, 10967), (180, 11012), (195, 11078), (196, 11093), (201, 11126), (202, 11129), (207, 11144), (214, 11168), (216, 11171), (230, 11201), (236, 11222), (239,

11240), (242, 11249), (249, 11285), (258, 11300), (273, 11345), (292, 11387), (298, 11426), (302, 11438), (304, 11459), (317, 11510), (328, 11531), (390, 11753), (416, 11858), (419, 11867), (450, 11900), (459, 11921), (460, 11924), (465, 11951), (470, 11981), (476, 11993), (481, 12008), (486, 12017), (488, 12023), (506, 12065), (508, 12074), (514, 12089), (519, 12104), (537, 12164), (544, 12203), (552, 12236), (567, 12266), (568, 12269), (590, 12353), (605, 12407), (610, 12422), (619, 12449), (630, 12503), (665, 12575), (666, 12578),

Gene: Lizalica_2 Start: 531, Stop: 2237, Start Num: 75

Candidate Starts for Lizalica_2:

(1, 54), (5, 240), (6, 243), (Start: 75 @531 has 41 MA's), (240, 903), (258, 960), (274, 1008), (302, 1098), (313, 1152), (346, 1272), (367, 1362), (425, 1524), (458, 1599), (470, 1647), (507, 1731), (530, 1806), (556, 1902), (563, 1917), (583, 1971), (605, 2052), (626, 2136), (634, 2160),

Gene: Lizziana_2 Start: 573, Stop: 2210, Start Num: 88

Candidate Starts for Lizziana_2:

(Start: 88 @573 has 156 MA's), (91, 582), (Start: 101 @597 has 3 MA's), (Start: 114 @618 has 1 MA's), (Start: 134 @654 has 2 MA's), (136, 657), (143, 675), (168, 720), (184, 759), (208, 846), (224, 906), (238, 930), (241, 939), (242, 942), (245, 963), (251, 984), (260, 999), (276, 1056), (292, 1095), (303, 1164), (306, 1170), (314, 1200), (315, 1203), (316, 1212), (322, 1227), (328, 1245), (339, 1296), (365, 1389), (367, 1398), (422, 1569), (435, 1581), (470, 1665), (483, 1695), (485, 1698), (487, 1701), (512, 1758), (517, 1773), (519, 1779), (520, 1782), (523, 1797), (529, 1806), (538, 1845), (545, 1875), (554, 1905), (558, 1914), (571, 1947), (583, 1980), (597, 2007), (611, 2040), (619, 2070), (623, 2091), (627, 2115), (630, 2124), (632, 2127), (660, 2184),

Gene: Llama_2 Start: 581, Stop: 2218, Start Num: 88

Candidate Starts for Llama_2:

(Start: 86 @578 has 6 MA's), (Start: 88 @581 has 156 MA's), (Start: 101 @605 has 3 MA's), (Start: 121 @638 has 1 MA's), (Start: 134 @662 has 2 MA's), (136, 665), (168, 728), (184, 767), (208, 854), (209, 860), (224, 914), (238, 938), (241, 947), (242, 950), (245, 971), (251, 992), (276, 1064), (292, 1103), (303, 1172), (306, 1178), (314, 1208), (315, 1211), (316, 1220), (322, 1235), (328, 1253), (339, 1304), (365, 1397), (367, 1406), (422, 1577), (435, 1589), (470, 1673), (483, 1703), (485, 1706), (487, 1709), (512, 1766), (517, 1781), (519, 1787), (520, 1790), (523, 1805), (529, 1814), (545, 1883), (554, 1913), (558, 1922), (571, 1955), (583, 1988), (597, 2015), (611, 2048), (616, 2069), (618, 2075), (619, 2078), (623, 2099), (627, 2123), (630, 2132), (632, 2135), (660, 2192),

Gene: Llij_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Llij_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (365, 1403), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (578, 1982), (583, 1994), (597, 2021), (611, 2054), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: LochMonster_11 Start: 6859, Stop: 8556, Start Num: 54

Candidate Starts for LochMonster_11:

(Start: 54 @6859 has 363 MA's), (Start: 74 @6883 has 1 MA's), (Start: 142 @7006 has 2 MA's), (185, 7096), (198, 7129), (230, 7228), (256, 7312), (258, 7315), (269, 7354), (295, 7423), (300, 7447), (310, 7513), (336, 7603), (403, 7855), (411, 7888), (443, 7954), (469, 8026), (470, 8029), (480, 8053), (507, 8104), (512, 8119), (523, 8158), (530, 8179), (556, 8275), (642, 8512), (666, 8542), (668, 8545),

Gene: Lockley_11 Start: 6937, Stop: 8625, Start Num: 54

Candidate Starts for Lockley_11:

(Start: 54 @6937 has 363 MA's), (198, 7201), (201, 7225), (258, 7387), (295, 7495), (310, 7585), (316, 7609), (328, 7636), (338, 7684), (360, 7753), (380, 7840), (383, 7849), (395, 7900), (486, 8134), (490, 8146), (512, 8188), (519, 8209), (529, 8236), (556, 8344), (598, 8434), (627, 8539),

Gene: Loka_15 Start: 9141, Stop: 10922, Start Num: 55

Candidate Starts for Loka_15:

(21, 9021), (40, 9114), (Start: 55 @9141 has 222 MA's), (139, 9273), (158, 9348), (164, 9372), (180, 9423), (256, 9654), (258, 9657), (269, 9696), (295, 9765), (310, 9855), (316, 9879), (346, 9978), (356, 10008), (357, 10011), (507, 10470), (512, 10485), (516, 10497), (523, 10524), (530, 10545), (556, 10641), (642, 10878), (665, 10905), (666, 10908),

Gene: Lollipop1437_29 Start: 13812, Stop: 15491, Start Num: 84

Candidate Starts for Lollipop1437_29:

(Start: 84 @13812 has 10 MA's), (167, 13962), (184, 14019), (192, 14046), (197, 14058), (205, 14097), (212, 14130), (314, 14472), (322, 14499), (367, 14667), (371, 14679), (381, 14712), (408, 14790), (458, 14892), (496, 15006), (520, 15087), (523, 15102), (537, 15144), (558, 15210), (562, 15222), (576, 15258), (595, 15285), (618, 15354), (619, 15357), (636, 15426),

Gene: London_2 Start: 534, Stop: 2240, Start Num: 75

Candidate Starts for London_2:

(Start: 75 @534 has 41 MA's), (Start: 132 @621 has 1 MA's), (240, 906), (258, 963), (263, 984), (274, 1011), (302, 1101), (313, 1155), (327, 1200), (346, 1275), (367, 1365), (412, 1488), (425, 1527), (470, 1650), (537, 1830), (544, 1863), (556, 1905), (563, 1920), (605, 2055), (616, 2091), (630, 2151), (634, 2163),

Gene: LoneWolf_13 Start: 7971, Stop: 9743, Start Num: 68

Candidate Starts for LoneWolf_13:

(Start: 55 @7956 has 222 MA's), (Start: 68 @7971 has 32 MA's), (139, 8088), (164, 8187), (172, 8211), (212, 8349), (241, 8421), (258, 8475), (269, 8514), (295, 8586), (310, 8676), (316, 8700), (338, 8775), (357, 8832), (383, 8940), (402, 9015), (411, 9051), (429, 9111), (458, 9171), (476, 9231), (484, 9252), (507, 9291), (523, 9345), (524, 9348), (530, 9366), (544, 9420), (551, 9450), (556, 9462), (599, 9555), (606, 9570), (642, 9699), (665, 9726), (666, 9729),

Gene: LonelyBoi_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for LonelyBoi_2:

(Start: 57 @485 has 139 MA's), (140, 623), (187, 782), (191, 797), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (361, 1376), (363, 1382), (366, 1400), (371, 1415), (447, 1589), (460, 1616), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (641, 2225), (666, 2270), (668, 2273),

Gene: Loofah_7 Start: 2247, Stop: 3908, Start Num: 53

Candidate Starts for Loofah_7:

(Start: 53 @2247 has 92 MA's), (204, 2565), (239, 2658), (243, 2673), (248, 2700), (259, 2721), (292, 2808), (310, 2904), (319, 2937), (336, 2991), (346, 3024), (354, 3048), (368, 3117), (398, 3180), (399, 3186), (407, 3216), (412, 3234), (448, 3300), (469, 3363), (470, 3366), (476, 3378), (479, 3387), (482, 3396), (507, 3450), (516, 3477), (556, 3624), (567, 3645), (573, 3669), (605, 3729), (630, 3825), (670, 3903),

Gene: Looper_15 Start: 6686, Stop: 8383, Start Num: 55

Candidate Starts for Looper_15:

(Start: 55 @6686 has 222 MA's), (71, 6704), (166, 6866), (212, 7022), (241, 7091), (258, 7145), (295, 7253), (301, 7280), (310, 7343), (316, 7367), (480, 7883), (512, 7946), (524, 7988), (556, 8102), (605, 8207), (642, 8339), (665, 8366), (666, 8369), (668, 8372),

Gene: Lorelei_6 Start: 2392, Stop: 4020, Start Num: 68

Candidate Starts for Lorelei_6:

(Start: 53 @2374 has 92 MA's), (Start: 68 @2392 has 32 MA's), (180, 2596), (191, 2632), (248, 2812), (259, 2833), (277, 2878), (292, 2920), (304, 2992), (310, 3016), (339, 3115), (344, 3130), (352, 3154), (354, 3160), (407, 3328), (470, 3478), (479, 3499), (516, 3589), (546, 3697), (556, 3736), (567, 3757), (569, 3763), (573, 3781), (630, 3937), (670, 4015),

Gene: Lorenzo_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Lorenzo_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Loser_15 Start: 9241, Stop: 11001, Start Num: 55

Candidate Starts for Loser_15:

(Start: 55 @9241 has 222 MA's), (123, 9349), (133, 9370), (158, 9454), (164, 9478), (191, 9565), (241, 9709), (258, 9763), (295, 9871), (310, 9961), (316, 9985), (357, 10117), (392, 10261), (439, 10393), (470, 10477), (507, 10549), (512, 10564), (523, 10603), (524, 10606), (530, 10624), (556, 10720), (583, 10789), (642, 10957), (665, 10984), (666, 10987), (668, 10990), (669, 10993),

Gene: Louie6_13 Start: 7044, Stop: 8744, Start Num: 57

Candidate Starts for Louie6_13:

(Start: 57 @7044 has 139 MA's), (Start: 89 @7092 has 4 MA's), (166, 7227), (230, 7419), (258, 7506), (310, 7704), (336, 7794), (356, 7857), (395, 8019), (470, 8217), (480, 8241), (481, 8244), (512, 8307), (516, 8319), (519, 8328), (523, 8346), (530, 8367), (556, 8463), (577, 8517), (598, 8553), (642, 8700), (666, 8730), (668, 8733),

Gene: Lowa_13 Start: 6949, Stop: 8649, Start Num: 57

Candidate Starts for Lowa_13:

(Start: 57 @6949 has 139 MA's), (Start: 89 @6997 has 4 MA's), (166, 7132), (230, 7324), (258, 7411), (310, 7609), (336, 7699), (356, 7762), (395, 7924), (470, 8122), (480, 8146), (481, 8149), (512, 8212), (519, 8233), (530, 8272), (556, 8368), (577, 8422), (598, 8458), (642, 8605), (666, 8635), (668, 8638),

Gene: Lozinak_30 Start: 8683, Stop: 10431, Start Num: 95

Candidate Starts for Lozinak_30:

(Start: 95 @8683 has 23 MA's), (112, 8713), (177, 8842), (225, 9028), (233, 9067), (242, 9091), (247, 9121), (256, 9139), (264, 9166), (274, 9196), (327, 9388), (330, 9406), (370, 9568), (393, 9616), (398, 9631), (457, 9814), (459, 9820), (480, 9904), (515, 9991), (524, 10024), (555, 10138), (569, 10174), (577, 10198), (586, 10213), (646, 10387), (653, 10393),

Gene: Luchador_12 Start: 7549, Stop: 9303, Start Num: 55

Candidate Starts for Luchador_12:

(47, 7534), (Start: 55 @7549 has 222 MA's), (Start: 72 @7567 has 5 MA's), (126, 7654), (139, 7678), (154, 7732), (157, 7744), (158, 7753), (164, 7777), (180, 7828), (187, 7849), (256, 8059), (258, 8062), (295, 8173), (300, 8197), (310, 8263), (316, 8287), (336, 8353), (357, 8419), (383, 8527), (402, 8602),

(441, 8704), (470, 8779), (476, 8791), (480, 8803), (481, 8806), (512, 8866), (530, 8926), (556, 9022), (583, 9091), (642, 9259), (665, 9286),

Gene: Lucivia_12 Start: 8073, Stop: 9836, Start Num: 55

Candidate Starts for Lucivia_12:

(22, 7953), (Start: 55 @8073 has 222 MA's), (Start: 72 @8094 has 5 MA's), (123, 8181), (164, 8310), (172, 8334), (191, 8397), (241, 8541), (256, 8592), (258, 8595), (295, 8706), (300, 8730), (301, 8733), (310, 8796), (313, 8805), (316, 8820), (352, 8937), (357, 8952), (368, 9012), (392, 9096), (476, 9324), (480, 9336), (507, 9384), (512, 9399), (523, 9438), (530, 9459), (540, 9498), (551, 9543), (556, 9555), (642, 9792), (665, 9819),

Gene: Lucyedi_13 Start: 7527, Stop: 9281, Start Num: 55

Candidate Starts for Lucyedi_13:

(Start: 55 @7527 has 222 MA's), (139, 7659), (164, 7758), (191, 7845), (212, 7920), (241, 7989), (256, 8040), (258, 8043), (295, 8151), (310, 8241), (316, 8265), (356, 8394), (357, 8397), (363, 8433), (439, 8673), (443, 8682), (470, 8757), (507, 8829), (512, 8844), (523, 8883), (530, 8904), (551, 8988), (556, 9000), (605, 9105), (627, 9195), (630, 9204), (642, 9237), (665, 9264), (666, 9267), (668, 9270), (669, 9273),

Gene: LugYA_15 Start: 6955, Stop: 8655, Start Num: 57

Candidate Starts for LugYA_15:

(Start: 57 @6955 has 139 MA's), (Start: 89 @7003 has 4 MA's), (166, 7138), (230, 7330), (258, 7417), (268, 7453), (310, 7615), (336, 7705), (356, 7768), (395, 7930), (470, 8128), (480, 8152), (481, 8155), (512, 8218), (519, 8239), (530, 8278), (556, 8374), (577, 8428), (598, 8464), (642, 8611), (666, 8641), (668, 8644),

Gene: LunaBlu_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for LunaBlu_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 121 @628 has 1 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (260, 997), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (577, 1963), (583, 1978), (597, 2005), (611, 2038), (618, 2065), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: LunaStella_2 Start: 458, Stop: 2236, Start Num: 57

Candidate Starts for LunaStella_2:

(Start: 57 @458 has 139 MA's), (96, 509), (109, 530), (125, 560), (Start: 129 @566 has 2 MA's), (Start: 137 @581 has 2 MA's), (158, 632), (177, 695), (180, 707), (191, 743), (205, 791), (209, 806), (212, 818), (216, 824), (238, 881), (239, 884), (241, 890), (244, 905), (247, 923), (248, 926), (258, 944), (302, 1085), (303, 1103), (310, 1130), (316, 1154), (327, 1187), (347, 1265), (367, 1355), (370, 1364), (375, 1379), (397, 1421), (398, 1424), (409, 1466), (411, 1475), (416, 1499), (447, 1541), (449, 1544), (460, 1568), (469, 1607), (470, 1610), (477, 1625), (484, 1643), (486, 1646), (520, 1727), (523, 1742), (524, 1745), (527, 1757), (533, 1796), (544, 1847), (546, 1853), (551, 1889), (556, 1901), (569, 1925), (577, 1952), (581, 1961), (582, 1964), (599, 2036), (616, 2084), (619, 2090), (624, 2123), (625, 2129), (627, 2135), (629, 2141), (630, 2144), (634, 2156), (641, 2174), (651, 2195), (662, 2213), (668, 2225),

Gene: LunarLander_11 Start: 6725, Stop: 8413, Start Num: 54

Candidate Starts for LunarLander_11:

(Start: 54 @6725 has 363 MA's), (198, 6989), (201, 7013), (258, 7175), (267, 7208), (295, 7283), (310, 7373), (316, 7397), (338, 7472), (380, 7628), (383, 7637), (394, 7685), (395, 7688), (481, 7913), (486,

7922), (490, 7934), (512, 7976), (519, 7997), (529, 8024), (556, 8132), (598, 8222), (627, 8327),

Gene: Lunsford_12 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Lunsford_12:

(13, 6707), (17, 6725), (Start: 20 @6755 has 1 MA's), (Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: MA5_11 Start: 6096, Stop: 7793, Start Num: 54

Candidate Starts for MA5_11:

(Start: 54 @6096 has 363 MA's), (102, 6168), (133, 6222), (198, 6366), (250, 6540), (258, 6552), (269, 6591), (278, 6603), (295, 6660), (300, 6684), (310, 6750), (313, 6759), (336, 6840), (344, 6867), (380, 7005), (397, 7071), (403, 7092), (411, 7125), (443, 7191), (470, 7266), (480, 7290), (481, 7293), (484, 7299), (512, 7356), (516, 7368), (523, 7395), (530, 7416), (556, 7512), (573, 7557), (577, 7566), (632, 7719), (642, 7749), (666, 7779), (668, 7782),

Gene: MAnor_4 Start: 897, Stop: 2573, Start Num: 103

Candidate Starts for MAnor_4:

(Start: 103 @897 has 70 MA's), (Start: 132 @948 has 1 MA's), (141, 969), (167, 1014), (210, 1158), (235, 1221), (243, 1254), (252, 1290), (258, 1299), (259, 1302), (267, 1335), (273, 1350), (302, 1449), (304, 1470), (314, 1506), (319, 1527), (331, 1563), (349, 1629), (363, 1683), (409, 1863), (416, 1896), (459, 1962), (473, 2028), (476, 2034), (537, 2199), (544, 2232), (569, 2301), (605, 2379), (606, 2382), (629, 2472), (632, 2478), (637, 2499), (666, 2559), (668, 2562),

Gene: MK4_11 Start: 6367, Stop: 8064, Start Num: 54

Candidate Starts for MK4_11:

(Start: 54 @6367 has 363 MA's), (102, 6439), (198, 6637), (212, 6700), (250, 6811), (258, 6823), (269, 6862), (278, 6874), (295, 6931), (300, 6955), (305, 6985), (310, 7021), (313, 7030), (336, 7111), (344, 7138), (380, 7276), (397, 7342), (403, 7363), (411, 7396), (443, 7462), (470, 7537), (480, 7561), (481, 7564), (484, 7570), (488, 7579), (512, 7627), (523, 7666), (524, 7669), (530, 7687), (556, 7783), (577, 7837), (632, 7990), (642, 8020), (666, 8050), (668, 8053),

Gene: MPlant7149_10 Start: 6575, Stop: 8263, Start Num: 54

Candidate Starts for MPlant7149_10:

(Start: 54 @6575 has 363 MA's), (198, 6839), (201, 6863), (258, 7025), (267, 7058), (295, 7133), (310, 7223), (316, 7247), (328, 7274), (338, 7322), (380, 7478), (395, 7538), (481, 7763), (486, 7772), (490, 7784), (512, 7826), (519, 7847), (529, 7874), (556, 7982), (598, 8072), (627, 8177),

Gene: MScarn_6 Start: 1111, Stop: 2790, Start Num: 103

Candidate Starts for MScarn_6:

(Start: 103 @1111 has 70 MA's), (Start: 132 @1162 has 1 MA's), (141, 1183), (165, 1222), (191, 1309), (204, 1354), (210, 1375), (212, 1384), (239, 1456), (252, 1507), (258, 1516), (273, 1567), (302, 1666), (304, 1687), (313, 1720), (327, 1756), (363, 1900), (373, 1936), (384, 1975), (390, 2008), (403, 2056), (416, 2113), (442, 2146), (459, 2179), (473, 2245), (476, 2251), (506, 2317), (510, 2329), (512, 2335), (537, 2416), (567, 2512), (591, 2560), (618, 2635), (637, 2716), (666, 2776), (668, 2779),

Gene: MUWow_2 Start: 597, Stop: 2330, Start Num: 86

Candidate Starts for MUWow_2:

(Start: 86 @597 has 6 MA's), (Start: 137 @690 has 2 MA's), (138, 693), (180, 783), (195, 846), (233, 1014), (258, 1101), (289, 1188), (308, 1278), (316, 1311), (319, 1320), (329, 1341), (337, 1377), (388, 1512), (390, 1518), (400, 1557), (416, 1626), (460, 1692), (462, 1704), (475, 1740), (506, 1824), (523,

1881), (534, 1944), (551, 2028), (561, 2052), (577, 2094), (605, 2151), (606, 2154), (610, 2166), (627, 2235), (640, 2277), (650, 2304), (656, 2316),

Gene: MaCh_12 Start: 8021, Stop: 9784, Start Num: 55

Candidate Starts for MaCh_12:

(Start: 55 @8021 has 222 MA's), (Start: 72 @8042 has 5 MA's), (123, 8129), (164, 8258), (172, 8282), (191, 8345), (241, 8489), (256, 8540), (258, 8543), (295, 8654), (300, 8678), (301, 8681), (310, 8744), (313, 8753), (316, 8768), (352, 8885), (357, 8900), (368, 8960), (392, 9044), (476, 9272), (480, 9284), (507, 9332), (512, 9347), (523, 9386), (530, 9407), (540, 9446), (551, 9491), (556, 9503), (642, 9740), (665, 9767),

Gene: MaGuCo_2 Start: 532, Stop: 2271, Start Num: 52

Candidate Starts for MaGuCo_2:

(Start: 52 @532 has 3 MA's), (Start: 90 @592 has 1 MA's), (Start: 95 @601 has 23 MA's), (Start: 132 @655 has 1 MA's), (185, 778), (231, 916), (235, 928), (243, 952), (258, 997), (274, 1045), (302, 1138), (327, 1237), (328, 1240), (341, 1297), (366, 1399), (367, 1402), (397, 1468), (412, 1525), (481, 1714), (546, 1906), (556, 1942), (563, 1957), (616, 2122), (634, 2194), (638, 2209), (641, 2212), (666, 2257),

Gene: MaVan_6 Start: 1989, Stop: 3689, Start Num: 103

Candidate Starts for MaVan_6:

(Start: 103 @1989 has 70 MA's), (120, 2019), (141, 2061), (191, 2199), (205, 2247), (214, 2277), (230, 2310), (239, 2346), (243, 2361), (245, 2376), (258, 2406), (273, 2457), (302, 2556), (304, 2577), (327, 2646), (336, 2688), (345, 2718), (384, 2865), (394, 2916), (411, 2979), (416, 3003), (458, 3069), (465, 3102), (467, 3126), (469, 3129), (473, 3138), (481, 3159), (492, 3186), (512, 3231), (516, 3243), (518, 3249), (523, 3270), (533, 3309), (567, 3408), (579, 3444), (618, 3531), (637, 3612), (641, 3618), (666, 3675), (668, 3678),

Gene: Mabel_12 Start: 8088, Stop: 9851, Start Num: 55

Candidate Starts for Mabel_12:

(Start: 55 @8088 has 222 MA's), (Start: 72 @8109 has 5 MA's), (123, 8196), (164, 8325), (172, 8349), (191, 8412), (241, 8556), (256, 8607), (258, 8610), (295, 8721), (300, 8745), (301, 8748), (310, 8811), (313, 8820), (316, 8835), (352, 8952), (357, 8967), (368, 9027), (392, 9111), (476, 9339), (480, 9351), (507, 9399), (512, 9414), (523, 9453), (530, 9474), (540, 9513), (551, 9558), (556, 9570), (642, 9807), (665, 9834),

Gene: Mabodamaca_2 Start: 633, Stop: 2351, Start Num: 68

Candidate Starts for Mabodamaca_2:

(Start: 68 @633 has 32 MA's), (235, 1005), (248, 1056), (258, 1074), (302, 1224), (313, 1278), (319, 1302), (336, 1356), (457, 1719), (470, 1770), (507, 1854), (556, 2025), (563, 2040), (593, 2139), (616, 2205), (634, 2277),

Gene: MacGully_32 Start: 14107, Stop: 15783, Start Num: 82

Candidate Starts for MacGully_32:

(Start: 82 @14107 has 25 MA's), (Start: 121 @14164 has 1 MA's), (167, 14251), (179, 14290), (180, 14293), (183, 14302), (212, 14419), (233, 14476), (241, 14497), (245, 14521), (255, 14548), (265, 14581), (289, 14647), (299, 14695), (314, 14758), (322, 14785), (367, 14953), (371, 14965), (408, 15076), (421, 15127), (444, 15154), (447, 15157), (512, 15355), (513, 15358), (529, 15403), (544, 15469), (558, 15502), (611, 15619), (616, 15640), (627, 15688), (636, 15718), (669, 15775),

Gene: Maco6_3 Start: 1054, Stop: 2718, Start Num: 103

Candidate Starts for Maco6_3:

(Start: 103 @1054 has 70 MA's), (126, 1093), (139, 1117), (191, 1246), (239, 1393), (243, 1408), (258, 1453), (273, 1501), (288, 1537), (301, 1594), (304, 1618), (314, 1654), (367, 1852), (373, 1867), (384,

1906), (419, 2053), (465, 2143), (470, 2173), (516, 2278), (546, 2386), (553, 2416), (567, 2443), (570, 2455), (591, 2491), (592, 2494), (622, 2587), (636, 2644),

Gene: MadMarie_13 Start: 6959, Stop: 8659, Start Num: 57

Candidate Starts for MadMarie_13:

(Start: 57 @6959 has 139 MA's), (Start: 89 @7007 has 4 MA's), (166, 7142), (230, 7334), (258, 7421), (310, 7619), (336, 7709), (356, 7772), (395, 7934), (470, 8132), (480, 8156), (481, 8159), (512, 8222), (519, 8243), (530, 8282), (556, 8378), (577, 8432), (598, 8468), (642, 8615), (666, 8645), (668, 8648),

Gene: MadMen_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for MadMen_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Magnar_11 Start: 6723, Stop: 8411, Start Num: 54

Candidate Starts for Magnar_11:

(Start: 54 @6723 has 363 MA's), (Start: 169 @6903 has 2 MA's), (198, 6987), (205, 7023), (212, 7050), (258, 7173), (267, 7206), (295, 7281), (310, 7371), (316, 7395), (328, 7422), (338, 7470), (380, 7626), (395, 7686), (486, 7920), (512, 7974), (519, 7995), (529, 8022), (556, 8130), (598, 8220), (627, 8325),

Gene: Magnito_10 Start: 6474, Stop: 8162, Start Num: 54

Candidate Starts for Magnito_10:

(Start: 54 @6474 has 363 MA's), (198, 6738), (201, 6762), (258, 6924), (267, 6957), (295, 7032), (310, 7122), (316, 7146), (328, 7173), (338, 7221), (380, 7377), (395, 7437), (481, 7662), (486, 7671), (490, 7683), (512, 7725), (519, 7746), (529, 7773), (556, 7881), (598, 7971), (627, 8076),

Gene: Mahavrat_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Mahavrat_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 121 @628 has 1 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (577, 1963), (583, 1978), (597, 2005), (608, 2029), (611, 2038), (618, 2065), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Mainiac_13 Start: 6950, Stop: 8650, Start Num: 57

Candidate Starts for Mainiac_13:

(Start: 57 @6950 has 139 MA's), (Start: 89 @6998 has 4 MA's), (166, 7133), (230, 7325), (258, 7412), (310, 7610), (336, 7700), (356, 7763), (395, 7925), (470, 8123), (480, 8147), (481, 8150), (512, 8213), (519, 8234), (530, 8273), (556, 8369), (577, 8423), (598, 8459), (642, 8606), (666, 8636), (668, 8639),

Gene: MajorMajor_11 Start: 6379, Stop: 8160, Start Num: 55

Candidate Starts for MajorMajor_11:

(Start: 55 @6379 has 222 MA's), (Start: 142 @6523 has 2 MA's), (155, 6568), (164, 6610), (172, 6634), (191, 6697), (207, 6751), (256, 6892), (258, 6895), (269, 6934), (295, 7003), (310, 7093), (316, 7117),

(356, 7246), (357, 7249), (427, 7522), (523, 7762), (530, 7783), (551, 7867), (556, 7879), (642, 8116), (665, 8143), (666, 8146), (668, 8149),

Gene: MalagasyRose_7 Start: 2064, Stop: 3839, Start Num: 44

Candidate Starts for MalagasyRose_7:

(Start: 44 @2064 has 1 MA's), (69, 2106), (172, 2277), (212, 2415), (220, 2442), (235, 2475), (239, 2484), (243, 2499), (248, 2526), (250, 2532), (252, 2535), (271, 2595), (300, 2685), (301, 2688), (316, 2757), (327, 2778), (416, 3105), (426, 3126), (455, 3171), (459, 3189), (470, 3234), (476, 3246), (481, 3261), (497, 3306), (516, 3378), (523, 3405), (530, 3426), (549, 3504), (556, 3543), (572, 3585), (598, 3633), (605, 3648), (619, 3693), (627, 3738), (629, 3744), (637, 3771),

Gene: Malec_13 Start: 7735, Stop: 9498, Start Num: 55

Candidate Starts for Malec_13:

(Start: 55 @7735 has 222 MA's), (123, 7843), (133, 7864), (164, 7972), (256, 8257), (258, 8260), (269, 8299), (295, 8368), (310, 8458), (316, 8482), (352, 8599), (357, 8614), (438, 8887), (470, 8974), (476, 8986), (480, 8998), (507, 9046), (512, 9061), (523, 9100), (530, 9121), (556, 9217), (642, 9454), (665, 9481), (666, 9484), (668, 9487), (669, 9490),

Gene: Malinsilva_15 Start: 6949, Stop: 8649, Start Num: 57

Candidate Starts for Malinsilva_15:

(Start: 57 @6949 has 139 MA's), (Start: 89 @6997 has 4 MA's), (166, 7132), (230, 7324), (258, 7411), (310, 7609), (336, 7699), (356, 7762), (395, 7924), (470, 8122), (480, 8146), (481, 8149), (512, 8212), (519, 8233), (530, 8272), (556, 8368), (577, 8422), (598, 8458), (642, 8605), (666, 8635), (668, 8638),

Gene: Maminiaina_13 Start: 7879, Stop: 9666, Start Num: 55

Candidate Starts for Maminiaina_13:

(Start: 55 @7879 has 222 MA's), (Start: 68 @7894 has 32 MA's), (Start: 72 @7900 has 5 MA's), (139, 8011), (164, 8110), (212, 8272), (241, 8344), (258, 8398), (269, 8437), (295, 8509), (310, 8599), (316, 8623), (352, 8740), (357, 8755), (383, 8863), (402, 8938), (429, 9034), (448, 9070), (476, 9154), (484, 9175), (507, 9214), (523, 9268), (530, 9289), (551, 9373), (556, 9385), (599, 9478), (606, 9493), (642, 9622), (665, 9649), (666, 9652),

Gene: Manatee_12 Start: 7007, Stop: 8695, Start Num: 54

Candidate Starts for Manatee_12:

(Start: 54 @7007 has 363 MA's), (Start: 169 @7187 has 2 MA's), (198, 7271), (205, 7307), (212, 7334), (258, 7457), (295, 7565), (310, 7655), (316, 7679), (328, 7706), (338, 7754), (380, 7910), (383, 7919), (395, 7970), (481, 8195), (486, 8204), (490, 8216), (512, 8258), (519, 8279), (529, 8306), (556, 8414), (598, 8504), (627, 8609),

Gene: Mandlovu_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Mandlovu_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (571, 1946), (577, 1964), (583, 1979), (597, 2006), (611, 2039), (616, 2060), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Maneekul_6 Start: 2379, Stop: 4025, Start Num: 53

Candidate Starts for Maneekul_6:

(Start: 53 @2379 has 92 MA's), (Start: 68 @2397 has 32 MA's), (180, 2601), (191, 2637), (248, 2817), (259, 2838), (292, 2925), (304, 2997), (310, 3021), (339, 3120), (344, 3135), (352, 3159), (354, 3165), (407, 3333), (431, 3393), (470, 3483), (479, 3504), (516, 3594), (546, 3702), (556, 3741), (567, 3762), (569, 3768), (573, 3786), (630, 3942), (670, 4020),

Gene: Mantra_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Mantra_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Manu_14 Start: 7029, Stop: 8729, Start Num: 57

Candidate Starts for Manu_14:

(Start: 57 @7029 has 139 MA's), (Start: 89 @7077 has 4 MA's), (Start: 132 @7149 has 1 MA's), (166, 7212), (258, 7491), (310, 7689), (336, 7779), (356, 7842), (395, 8004), (470, 8202), (480, 8226), (481, 8229), (512, 8292), (516, 8304), (519, 8313), (523, 8331), (530, 8352), (556, 8448), (577, 8502), (598, 8538), (642, 8685), (666, 8715), (668, 8718),

Gene: MarQuardt_13 Start: 6958, Stop: 8658, Start Num: 57

Candidate Starts for MarQuardt_13:

(Start: 57 @6958 has 139 MA's), (Start: 89 @7006 has 4 MA's), (166, 7141), (230, 7333), (258, 7420), (310, 7618), (336, 7708), (356, 7771), (395, 7933), (470, 8131), (480, 8155), (481, 8158), (512, 8221), (519, 8242), (530, 8281), (556, 8377), (577, 8431), (598, 8467), (642, 8614), (666, 8644), (668, 8647),

Gene: Marav_9 Start: 3096, Stop: 4742, Start Num: 53

Candidate Starts for Marav_9:

(Start: 53 @3096 has 92 MA's), (Start: 142 @3246 has 2 MA's), (198, 3366), (204, 3399), (239, 3492), (241, 3498), (243, 3507), (248, 3534), (259, 3555), (292, 3642), (304, 3714), (310, 3738), (339, 3837), (349, 3873), (357, 3891), (378, 3978), (398, 4014), (407, 4050), (470, 4200), (479, 4221), (516, 4311), (523, 4338), (546, 4419), (556, 4458), (567, 4479), (573, 4503), (605, 4563), (630, 4659),

Gene: Maravista_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Maravista_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (174, 737), (184, 758), (208, 845), (209, 851), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (367, 1397), (422, 1568), (435, 1580), (449, 1598), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (578, 1967), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Marcell_11 Start: 6934, Stop: 8622, Start Num: 54

Candidate Starts for Marcell_11:

(Start: 54 @6934 has 363 MA's), (198, 7198), (201, 7222), (258, 7384), (267, 7417), (295, 7492), (310, 7582), (316, 7606), (328, 7633), (338, 7681), (360, 7750), (380, 7837), (395, 7897), (481, 8122), (486, 8131), (490, 8143), (512, 8185), (519, 8206), (529, 8233), (556, 8341), (598, 8431), (627, 8536),

Gene: Marchesa_11 Start: 6547, Stop: 8244, Start Num: 54

Candidate Starts for Marchesa_11:

(Start: 54 @6547 has 363 MA's), (Start: 74 @6571 has 1 MA's), (102, 6619), (198, 6817), (212, 6880), (250, 6991), (258, 7003), (269, 7042), (278, 7054), (295, 7111), (300, 7135), (310, 7201), (313, 7210), (336, 7291), (344, 7318), (380, 7456), (403, 7543), (443, 7642), (470, 7717), (480, 7741), (481, 7744), (484, 7750), (488, 7759), (512, 7807), (530, 7867), (556, 7963), (573, 8008), (577, 8017), (632, 8170), (642, 8200), (666, 8230), (668, 8233),

Gene: Marchy_10 Start: 6561, Stop: 8249, Start Num: 54

Candidate Starts for Marchy_10:

(Start: 54 @6561 has 363 MA's), (198, 6825), (201, 6849), (258, 7011), (267, 7044), (295, 7119), (310, 7209), (316, 7233), (338, 7308), (380, 7464), (383, 7473), (394, 7521), (395, 7524), (481, 7749), (486, 7758), (490, 7770), (512, 7812), (519, 7833), (529, 7860), (556, 7968), (598, 8058), (627, 8163),

Gene: Marco3_11 Start: 7206, Stop: 8894, Start Num: 54

Candidate Starts for Marco3_11:

(Start: 54 @7206 has 363 MA's), (198, 7470), (201, 7494), (258, 7656), (267, 7689), (295, 7764), (310, 7854), (316, 7878), (328, 7905), (338, 7953), (360, 8022), (380, 8109), (395, 8169), (481, 8394), (486, 8403), (490, 8415), (512, 8457), (519, 8478), (529, 8505), (556, 8613), (598, 8703), (627, 8808),

Gene: Margaret_7 Start: 1862, Stop: 3562, Start Num: 100

Candidate Starts for Margaret_7:

(Start: 100 @1862 has 9 MA's), (Start: 132 @1916 has 1 MA's), (141, 1937), (152, 1964), (182, 2039), (191, 2075), (214, 2153), (241, 2228), (243, 2237), (258, 2282), (273, 2333), (302, 2432), (327, 2522), (349, 2612), (363, 2666), (384, 2741), (416, 2879), (457, 2939), (459, 2945), (473, 3011), (476, 3017), (512, 3101), (519, 3122), (537, 3182), (538, 3188), (546, 3221), (591, 3326), (629, 3455), (630, 3458), (645, 3503), (666, 3548), (668, 3551),

Gene: Marge_12 Start: 7457, Stop: 9145, Start Num: 61

Candidate Starts for Marge_12:

(Start: 61 @7457 has 24 MA's), (Start: 169 @7637 has 2 MA's), (198, 7721), (202, 7748), (205, 7757), (258, 7907), (267, 7940), (295, 8015), (310, 8105), (316, 8129), (328, 8156), (338, 8204), (360, 8273), (380, 8360), (395, 8420), (481, 8645), (486, 8654), (490, 8666), (512, 8708), (519, 8729), (529, 8756), (556, 8864), (598, 8954), (627, 9059),

Gene: Margo_12 Start: 7069, Stop: 8766, Start Num: 54

Candidate Starts for Margo_12:

(Start: 54 @7069 has 363 MA's), (Start: 74 @7093 has 1 MA's), (198, 7339), (250, 7513), (258, 7525), (269, 7564), (278, 7576), (295, 7633), (300, 7657), (310, 7723), (313, 7732), (336, 7813), (346, 7846), (380, 7978), (386, 7990), (397, 8044), (403, 8065), (411, 8098), (438, 8152), (470, 8239), (480, 8263), (481, 8266), (484, 8272), (488, 8281), (512, 8329), (523, 8368), (524, 8371), (530, 8389), (556, 8485), (577, 8539), (632, 8692), (642, 8722), (666, 8752), (668, 8755),

Gene: Marie_13 Start: 6955, Stop: 8655, Start Num: 57

Candidate Starts for Marie_13:

(Start: 57 @6955 has 139 MA's), (Start: 89 @7003 has 4 MA's), (166, 7138), (230, 7330), (258, 7417), (268, 7453), (310, 7615), (336, 7705), (356, 7768), (395, 7930), (470, 8128), (480, 8152), (481, 8155), (512, 8218), (519, 8239), (530, 8278), (556, 8374), (577, 8428), (598, 8464), (642, 8611), (666, 8641), (668, 8644),

Gene: Marietta_26 Start: 10406, Stop: 12133, Start Num: 82

Candidate Starts for Marietta_26:

(Start: 82 @10406 has 25 MA's), (Start: 121 @10469 has 1 MA's), (167, 10556), (183, 10607), (197, 10652), (202, 10682), (205, 10691), (212, 10724), (228, 10814), (233, 10832), (314, 11114), (322, 11141), (367, 11309), (371, 11321), (408, 11432), (485, 11615), (520, 11729), (523, 11744), (532, 11777), (558, 11852), (618, 11996), (627, 12038), (636, 12068), (661, 12110),

Gene: Marius_14 Start: 7029, Stop: 8729, Start Num: 57

Candidate Starts for Marius_14:

(Start: 57 @7029 has 139 MA's), (Start: 89 @7077 has 4 MA's), (Start: 132 @7149 has 1 MA's), (166, 7212), (258, 7491), (310, 7689), (336, 7779), (356, 7842), (395, 8004), (470, 8202), (480, 8226), (481, 8229), (512, 8292), (516, 8304), (519, 8313), (523, 8331), (530, 8352), (556, 8448), (577, 8502), (598, 8538), (642, 8685), (666, 8715), (668, 8718),

Gene: Maroc7_10 Start: 6747, Stop: 8435, Start Num: 54

Candidate Starts for Maroc7_10:

(Start: 54 @6747 has 363 MA's), (198, 7011), (201, 7035), (258, 7197), (267, 7230), (295, 7305), (310, 7395), (316, 7419), (328, 7446), (338, 7494), (360, 7563), (376, 7638), (380, 7650), (395, 7710), (486, 7944), (490, 7956), (512, 7998), (519, 8019), (529, 8046), (556, 8154), (598, 8244), (627, 8349),

Gene: Marsha_11 Start: 7191, Stop: 8879, Start Num: 54

Candidate Starts for Marsha_11:

(Start: 54 @7191 has 363 MA's), (Start: 169 @7371 has 2 MA's), (198, 7455), (205, 7491), (212, 7518), (258, 7641), (295, 7749), (310, 7839), (316, 7863), (328, 7890), (338, 7938), (380, 8094), (395, 8154), (481, 8379), (486, 8388), (490, 8400), (512, 8442), (519, 8463), (529, 8490), (556, 8598), (598, 8688), (627, 8793),

Gene: Marteena_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for Marteena_2:

(Start: 57 @485 has 139 MA's), (140, 623), (149, 650), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (281, 1052), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (361, 1376), (363, 1382), (366, 1400), (371, 1415), (447, 1589), (460, 1616), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (560, 1961), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (666, 2270), (668, 2273),

Gene: Martik_2 Start: 573, Stop: 2210, Start Num: 88

Candidate Starts for Martik_2:

(Start: 88 @573 has 156 MA's), (91, 582), (Start: 101 @597 has 3 MA's), (Start: 114 @618 has 1 MA's), (Start: 134 @654 has 2 MA's), (136, 657), (143, 675), (168, 720), (184, 759), (208, 846), (224, 906), (238, 930), (241, 939), (242, 942), (245, 963), (251, 984), (260, 999), (276, 1056), (292, 1095), (303, 1164), (306, 1170), (314, 1200), (315, 1203), (316, 1212), (322, 1227), (328, 1245), (339, 1296), (365, 1389), (367, 1398), (422, 1569), (435, 1581), (470, 1665), (483, 1695), (485, 1698), (487, 1701), (512, 1758), (517, 1773), (519, 1779), (520, 1782), (523, 1797), (529, 1806), (538, 1845), (545, 1875), (554, 1905), (558, 1914), (571, 1947), (583, 1980), (597, 2007), (611, 2040), (619, 2070), (623, 2091), (627, 2115), (630, 2124), (632, 2127), (660, 2184),

Gene: Marvin_33 Start: 11120, Stop: 12862, Start Num: 103

Candidate Starts for Marvin_33:

(Start: 103 @11120 has 70 MA's), (166, 11237), (180, 11282), (195, 11348), (196, 11363), (201, 11396), (202, 11399), (207, 11414), (214, 11438), (216, 11441), (230, 11471), (236, 11492), (239, 11510), (242, 11519), (249, 11555), (258, 11570), (273, 11615), (292, 11657), (298, 11696), (302, 11708), (304, 11729), (317, 11780), (328, 11801), (390, 12023), (416, 12128), (419, 12137), (450, 12170), (459, 12191), (460, 12194), (465, 12221), (470, 12251), (476, 12263), (481, 12278), (486, 12287), (488, 12293), (506, 12335), (508, 12344), (514, 12359), (519, 12374), (537, 12434), (544,

12473), (552, 12506), (567, 12536), (568, 12539), (590, 12623), (605, 12677), (610, 12692), (619, 12719), (630, 12773), (665, 12845), (666, 12848),

Gene: MaryBeth_11 Start: 7169, Stop: 8857, Start Num: 54

Candidate Starts for MaryBeth_11:

(Start: 54 @7169 has 363 MA's), (Start: 169 @7349 has 2 MA's), (198, 7433), (205, 7469), (258, 7619), (295, 7727), (310, 7817), (316, 7841), (328, 7868), (338, 7916), (360, 7985), (376, 8060), (380, 8072), (395, 8132), (481, 8357), (486, 8366), (490, 8378), (512, 8420), (519, 8441), (529, 8468), (556, 8576), (598, 8666), (627, 8771),

Gene: MarysWell_8 Start: 6156, Stop: 7907, Start Num: 32

Candidate Starts for MarysWell_8:

(Start: 29 @6129 has 19 MA's), (Start: 32 @6156 has 30 MA's), (66, 6225), (135, 6339), (139, 6345), (191, 6477), (212, 6552), (214, 6555), (230, 6588), (241, 6621), (279, 6729), (287, 6753), (295, 6786), (310, 6861), (324, 6906), (344, 6984), (346, 6990), (388, 7155), (397, 7188), (403, 7209), (470, 7383), (480, 7407), (481, 7410), (512, 7470), (516, 7482), (523, 7509), (530, 7530), (551, 7614), (556, 7626), (599, 7719), (642, 7863), (668, 7896), (670, 7902),

Gene: Maselop_28 Start: 14057, Stop: 15730, Start Num: 82

Candidate Starts for Maselop_28:

(Start: 82 @14057 has 25 MA's), (167, 14201), (183, 14252), (233, 14426), (241, 14447), (245, 14471), (255, 14498), (265, 14531), (289, 14597), (299, 14645), (314, 14708), (322, 14735), (367, 14903), (371, 14915), (408, 15026), (421, 15077), (471, 15176), (502, 15275), (507, 15287), (516, 15314), (520, 15326), (523, 15341), (544, 15416), (558, 15449), (571, 15482), (611, 15566), (616, 15587), (627, 15635), (663, 15710),

Gene: Mattes_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Mattes_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Maureen_2 Start: 532, Stop: 2271, Start Num: 52

Candidate Starts for Maureen_2:

(Start: 52 @532 has 3 MA's), (Start: 90 @592 has 1 MA's), (Start: 95 @601 has 23 MA's), (Start: 132 @655 has 1 MA's), (185, 778), (231, 916), (235, 928), (243, 952), (258, 997), (274, 1045), (302, 1138), (327, 1237), (328, 1240), (341, 1297), (366, 1399), (367, 1402), (397, 1468), (412, 1525), (435, 1594), (481, 1714), (546, 1906), (556, 1942), (563, 1957), (616, 2122), (634, 2194), (638, 2209), (641, 2212), (666, 2257),

Gene: Maverick_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Maverick_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Maxo_11 Start: 6885, Stop: 8582, Start Num: 54

Candidate Starts for Maxo_11:

(Start: 54 @6885 has 363 MA's), (Start: 74 @6909 has 1 MA's), (Start: 142 @7032 has 2 MA's), (185, 7122), (198, 7155), (230, 7254), (256, 7338), (258, 7341), (269, 7380), (295, 7449), (300, 7473), (310, 7539), (336, 7629), (380, 7794), (403, 7881), (411, 7914), (443, 7980), (469, 8052), (470, 8055), (480, 8079), (507, 8130), (512, 8145), (523, 8184), (530, 8205), (556, 8301), (642, 8538), (666, 8568), (668, 8571),

Gene: Mayonnaise_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Mayonnaise_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Mayweather_5 Start: 1518, Stop: 3194, Start Num: 103

Candidate Starts for Mayweather_5:

(Start: 103 @1518 has 70 MA's), (Start: 132 @1569 has 1 MA's), (141, 1590), (167, 1635), (180, 1677), (191, 1713), (210, 1779), (235, 1842), (243, 1875), (252, 1911), (258, 1920), (259, 1923), (273, 1971), (302, 2070), (304, 2091), (314, 2127), (319, 2148), (331, 2184), (349, 2250), (363, 2304), (409, 2484), (416, 2517), (459, 2583), (460, 2586), (473, 2649), (476, 2655), (537, 2820), (544, 2853), (569, 2922), (605, 3000), (606, 3003), (629, 3093), (632, 3099), (637, 3120), (666, 3180), (668, 3183),

Gene: Mazhar510_11 Start: 6885, Stop: 8582, Start Num: 54

Candidate Starts for Mazhar510_11:

(Start: 54 @6885 has 363 MA's), (Start: 74 @6909 has 1 MA's), (Start: 142 @7032 has 2 MA's), (185, 7122), (198, 7155), (230, 7254), (256, 7338), (258, 7341), (269, 7380), (295, 7449), (300, 7473), (310, 7539), (336, 7629), (380, 7794), (403, 7881), (411, 7914), (443, 7980), (469, 8052), (470, 8055), (480, 8079), (507, 8130), (512, 8145), (523, 8184), (530, 8205), (556, 8301), (642, 8538), (666, 8568), (668, 8571),

Gene: McFly_15 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for McFly_15:

(Start: 55 @7533 has 222 MA's), (164, 7764), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (346, 8370), (347, 8373), (356, 8400), (357, 8403), (443, 8688), (476, 8775), (480, 8787), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: McGuire_12 Start: 7052, Stop: 8740, Start Num: 54

Candidate Starts for McGuire_12:

(Start: 54 @7052 has 363 MA's), (Start: 169 @7232 has 2 MA's), (198, 7316), (205, 7352), (212, 7379), (258, 7502), (295, 7610), (310, 7700), (316, 7724), (328, 7751), (338, 7799), (380, 7955), (394, 8012), (395, 8015), (486, 8249), (490, 8261), (512, 8303), (519, 8324), (529, 8351), (556, 8459), (598, 8549), (627, 8654),

Gene: McSinger_12 Start: 7132, Stop: 8820, Start Num: 54

Candidate Starts for McSinger_12:

(Start: 54 @7132 has 363 MA's), (198, 7396), (201, 7420), (258, 7582), (267, 7615), (295, 7690), (310, 7780), (316, 7804), (328, 7831), (338, 7879), (380, 8035), (383, 8044), (394, 8092), (395, 8095), (486, 8329), (490, 8341), (512, 8383), (519, 8404), (529, 8431), (556, 8539), (598, 8629), (627, 8734),

Gene: Medusa_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Medusa_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: MeeZee_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for MeeZee_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Melissauren88_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Melissauren88_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Melvin_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Melvin_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Mendokysei_2 Start: 535, Stop: 2514, Start Num: 20

Candidate Starts for Mendokysei_2:

(Start: 20 @535 has 1 MA's), (Start: 42 @631 has 7 MA's), (147, 817), (151, 829), (242, 1108), (243, 1114), (248, 1141), (258, 1159), (282, 1222), (314, 1357), (366, 1573), (369, 1582), (389, 1615), (473, 1834), (495, 1885), (498, 1888), (503, 1909), (520, 1960), (524, 1975), (537, 2047), (547, 2089), (550, 2098), (552, 2128), (556, 2137), (573, 2188), (582, 2209), (596, 2308), (599, 2314), (605, 2326), (629, 2419), (634, 2434), (635, 2437), (664, 2497),

Gene: MerCougar_25 Start: 13111, Stop: 14841, Start Num: 82

Candidate Starts for MerCougar_25:

(Start: 82 @13111 has 25 MA's), (Start: 86 @13117 has 6 MA's), (183, 13312), (184, 13318), (197, 13357), (202, 13387), (209, 13411), (212, 13429), (314, 13822), (322, 13849), (367, 14017), (371, 14029), (381, 14062), (408, 14140), (485, 14323), (496, 14356), (502, 14386), (520, 14437), (532, 14485), (558, 14560), (562, 14572), (576, 14608), (627, 14746), (636, 14776),

Gene: MetalQZJ_11 Start: 7169, Stop: 8857, Start Num: 54

Candidate Starts for MetalQZJ_11:

(Start: 54 @7169 has 363 MA's), (Start: 169 @7349 has 2 MA's), (198, 7433), (205, 7469), (258, 7619), (295, 7727), (310, 7817), (316, 7841), (328, 7868), (338, 7916), (360, 7985), (376, 8060), (380, 8072),

(395, 8132), (481, 8357), (486, 8366), (490, 8378), (512, 8420), (519, 8441), (529, 8468), (556, 8576), (598, 8666), (627, 8771),

Gene: Methuselah_13 Start: 7040, Stop: 8740, Start Num: 57

Candidate Starts for Methuselah_13:

(Start: 57 @7040 has 139 MA's), (Start: 89 @7088 has 4 MA's), (166, 7223), (230, 7415), (258, 7502), (310, 7700), (336, 7790), (356, 7853), (395, 8015), (470, 8213), (480, 8237), (481, 8240), (512, 8303), (519, 8324), (530, 8363), (556, 8459), (577, 8513), (598, 8549), (642, 8696), (666, 8726), (668, 8729),

Gene: Micasa_9 Start: 6157, Stop: 7908, Start Num: 32

Candidate Starts for Micasa_9:

(Start: 29 @6130 has 19 MA's), (Start: 32 @6157 has 30 MA's), (66, 6226), (135, 6340), (139, 6346), (191, 6478), (212, 6553), (214, 6556), (230, 6589), (241, 6622), (279, 6730), (287, 6754), (295, 6787), (310, 6862), (324, 6907), (344, 6985), (346, 6991), (360, 7036), (388, 7156), (397, 7189), (403, 7210), (470, 7384), (480, 7408), (481, 7411), (512, 7471), (516, 7483), (523, 7510), (530, 7531), (551, 7615), (556, 7627), (642, 7864), (668, 7897), (670, 7903),

Gene: Michley_11 Start: 6917, Stop: 8605, Start Num: 54

Candidate Starts for Michley_11:

(Start: 54 @6917 has 363 MA's), (198, 7181), (201, 7205), (258, 7367), (262, 7382), (267, 7400), (310, 7565), (316, 7589), (328, 7616), (338, 7664), (395, 7880), (486, 8114), (490, 8126), (512, 8168), (519, 8189), (529, 8216), (556, 8324), (598, 8414), (627, 8519),

Gene: Microwolf_13 Start: 6958, Stop: 8658, Start Num: 57

Candidate Starts for Microwolf_13:

(Start: 57 @6958 has 139 MA's), (Start: 89 @7006 has 4 MA's), (166, 7141), (230, 7333), (258, 7420), (310, 7618), (336, 7708), (356, 7771), (395, 7933), (470, 8131), (480, 8155), (481, 8158), (512, 8221), (519, 8242), (530, 8281), (556, 8377), (577, 8431), (598, 8467), (642, 8614), (666, 8644), (668, 8647),

Gene: MiculUcigas_12 Start: 7484, Stop: 9271, Start Num: 55

Candidate Starts for MiculUcigas_12:

(27, 7400), (Start: 55 @7484 has 222 MA's), (123, 7592), (133, 7613), (164, 7721), (256, 8003), (258, 8006), (295, 8114), (310, 8204), (316, 8228), (357, 8360), (470, 8747), (523, 8873), (530, 8894), (551, 8978), (556, 8990), (642, 9227), (665, 9254), (666, 9257), (668, 9260), (669, 9263),

Gene: Midas2_9 Start: 6156, Stop: 7907, Start Num: 32

Candidate Starts for Midas2_9:

(Start: 29 @6129 has 19 MA's), (Start: 32 @6156 has 30 MA's), (66, 6225), (135, 6339), (139, 6345), (191, 6477), (212, 6552), (214, 6555), (230, 6588), (241, 6621), (279, 6729), (287, 6753), (295, 6786), (310, 6861), (324, 6906), (344, 6984), (346, 6990), (388, 7155), (397, 7188), (403, 7209), (470, 7383), (480, 7407), (481, 7410), (512, 7470), (516, 7482), (523, 7509), (530, 7530), (551, 7614), (556, 7626), (642, 7863), (668, 7896), (670, 7902),

Gene: Miko_15 Start: 9110, Stop: 10891, Start Num: 55

Candidate Starts for Miko_15:

(21, 8990), (40, 9083), (Start: 55 @9110 has 222 MA's), (139, 9242), (158, 9317), (164, 9341), (180, 9392), (256, 9623), (258, 9626), (269, 9665), (295, 9734), (310, 9824), (316, 9848), (346, 9947), (356, 9977), (357, 9980), (386, 10091), (507, 10439), (512, 10454), (516, 10466), (523, 10493), (530, 10514), (556, 10610), (642, 10847), (665, 10874), (666, 10877),

Gene: MilanaBonita_3 Start: 1235, Stop: 2872, Start Num: 88

Candidate Starts for MilanaBonita_3:

(Start: 88 @1235 has 156 MA's), (94, 1250), (Start: 101 @1259 has 3 MA's), (Start: 105 @1265 has 1 MA's), (Start: 121 @1292 has 1 MA's), (Start: 134 @1316 has 2 MA's), (136, 1319), (168, 1382), (174, 1400), (184, 1421), (208, 1508), (209, 1514), (224, 1568), (233, 1580), (241, 1601), (242, 1604), (245, 1625), (251, 1646), (260, 1661), (276, 1718), (292, 1757), (303, 1826), (306, 1832), (314, 1862), (315, 1865), (316, 1874), (322, 1889), (328, 1907), (339, 1958), (367, 2060), (422, 2231), (435, 2243), (449, 2261), (470, 2327), (483, 2357), (485, 2360), (487, 2363), (512, 2420), (517, 2435), (519, 2441), (520, 2444), (523, 2459), (529, 2468), (545, 2537), (554, 2567), (558, 2576), (571, 2609), (583, 2642), (597, 2669), (611, 2702), (618, 2729), (619, 2732), (623, 2753), (627, 2777), (630, 2786), (632, 2789), (660, 2846),

Gene: Milcery_9 Start: 6166, Stop: 7944, Start Num: 29

Candidate Starts for Milcery_9:

(Start: 29 @6166 has 19 MA's), (Start: 32 @6193 has 30 MA's), (66, 6262), (135, 6376), (139, 6382), (191, 6514), (212, 6589), (214, 6592), (230, 6625), (241, 6658), (279, 6766), (287, 6790), (295, 6823), (310, 6898), (324, 6943), (344, 7021), (346, 7027), (360, 7072), (388, 7192), (397, 7225), (403, 7246), (470, 7420), (480, 7444), (481, 7447), (512, 7507), (516, 7519), (523, 7546), (530, 7567), (551, 7651), (556, 7663), (642, 7900), (668, 7933), (670, 7939),

Gene: MilleniumForce_3 Start: 1235, Stop: 2872, Start Num: 88

Candidate Starts for MilleniumForce_3:

(Start: 88 @1235 has 156 MA's), (94, 1250), (Start: 101 @1259 has 3 MA's), (Start: 105 @1265 has 1 MA's), (Start: 121 @1292 has 1 MA's), (Start: 134 @1316 has 2 MA's), (136, 1319), (168, 1382), (174, 1400), (184, 1421), (208, 1508), (209, 1514), (224, 1568), (233, 1580), (238, 1592), (241, 1601), (242, 1604), (245, 1625), (251, 1646), (260, 1661), (276, 1718), (292, 1757), (303, 1826), (306, 1832), (314, 1862), (315, 1865), (316, 1874), (322, 1889), (328, 1907), (339, 1958), (367, 2060), (422, 2231), (435, 2243), (449, 2261), (470, 2327), (483, 2357), (485, 2360), (487, 2363), (512, 2420), (517, 2435), (519, 2441), (520, 2444), (523, 2459), (529, 2468), (545, 2537), (554, 2567), (558, 2576), (571, 2609), (583, 2642), (597, 2669), (611, 2702), (618, 2729), (619, 2732), (623, 2753), (627, 2777), (630, 2786), (632, 2789), (660, 2846),

Gene: Millski_11 Start: 6887, Stop: 8584, Start Num: 57

Candidate Starts for Millski_11:

(Start: 57 @6887 has 139 MA's), (Start: 74 @6911 has 1 MA's), (Start: 142 @7034 has 2 MA's), (185, 7124), (198, 7157), (230, 7256), (256, 7340), (258, 7343), (269, 7382), (295, 7451), (300, 7475), (310, 7541), (336, 7631), (380, 7796), (403, 7883), (411, 7916), (443, 7982), (469, 8054), (470, 8057), (480, 8081), (507, 8132), (512, 8147), (523, 8186), (530, 8207), (556, 8303), (642, 8540), (666, 8570), (668, 8573),

Gene: MinecraftSteve_15 Start: 6808, Stop: 8505, Start Num: 55

Candidate Starts for MinecraftSteve_15:

(Start: 55 @6808 has 222 MA's), (71, 6826), (166, 6988), (212, 7144), (241, 7213), (258, 7267), (295, 7375), (301, 7402), (310, 7465), (316, 7489), (480, 8005), (512, 8068), (524, 8110), (556, 8224), (605, 8329), (642, 8461), (665, 8488), (666, 8491), (668, 8494),

Gene: MiniMommy_2 Start: 550, Stop: 2277, Start Num: 53

Candidate Starts for MiniMommy_2:

(31, 490), (Start: 53 @550 has 92 MA's), (Start: 132 @661 has 1 MA's), (235, 934), (248, 985), (258, 1003), (262, 1021), (274, 1051), (302, 1144), (481, 1720), (537, 1873), (556, 1948), (563, 1963), (605, 2092), (634, 2200), (666, 2263),

Gene: MinionDave_3 Start: 1235, Stop: 2872, Start Num: 88

Candidate Starts for MinionDave_3:

(Start: 88 @1235 has 156 MA's), (94, 1250), (Start: 101 @1259 has 3 MA's), (Start: 105 @1265 has 1 MA's), (Start: 121 @1292 has 1 MA's), (Start: 134 @1316 has 2 MA's), (136, 1319), (168, 1382), (174, 1400), (184, 1421), (208, 1508), (209, 1514), (224, 1568), (233, 1580), (238, 1592), (241, 1601), (242, 1604), (245, 1625), (251, 1646), (260, 1661), (276, 1718), (292, 1757), (303, 1826), (306, 1832), (314, 1862), (315, 1865), (316, 1874), (322, 1889), (328, 1907), (339, 1958), (367, 2060), (422, 2231), (435, 2243), (449, 2261), (470, 2327), (483, 2357), (485, 2360), (487, 2363), (512, 2420), (517, 2435), (519, 2441), (520, 2444), (523, 2459), (529, 2468), (545, 2537), (554, 2567), (558, 2576), (571, 2609), (583, 2642), (597, 2669), (611, 2702), (618, 2729), (619, 2732), (623, 2753), (627, 2777), (630, 2786), (632, 2789), (660, 2846),

Gene: Minnie_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Minnie_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Miramae_11 Start: 6847, Stop: 8535, Start Num: 54

Candidate Starts for Miramae_11:

(Start: 54 @6847 has 363 MA's), (198, 7108), (256, 7291), (258, 7294), (269, 7333), (295, 7402), (300, 7426), (305, 7456), (310, 7492), (336, 7582), (380, 7747), (392, 7792), (403, 7834), (411, 7867), (443, 7933), (470, 8008), (480, 8032), (512, 8098), (523, 8137), (530, 8158), (556, 8254), (642, 8491), (666, 8521), (668, 8524),

Gene: Miskis_28 Start: 8458, Stop: 10206, Start Num: 95

Candidate Starts for Miskis_28:

(Start: 95 @8458 has 23 MA's), (112, 8488), (176, 8614), (177, 8617), (225, 8803), (233, 8842), (242, 8866), (256, 8914), (264, 8941), (274, 8971), (327, 9163), (330, 9181), (370, 9343), (393, 9391), (398, 9406), (457, 9589), (459, 9595), (480, 9679), (515, 9766), (524, 9799), (555, 9913), (569, 9949), (577, 9973), (586, 9988), (646, 10162), (653, 10168),

Gene: Misomonster_15 Start: 7040, Stop: 8740, Start Num: 57

Candidate Starts for Misomonster_15:

(Start: 57 @7040 has 139 MA's), (Start: 89 @7088 has 4 MA's), (166, 7223), (230, 7415), (258, 7502), (310, 7700), (336, 7790), (356, 7853), (395, 8015), (470, 8213), (480, 8237), (481, 8240), (512, 8303), (519, 8324), (530, 8363), (556, 8459), (577, 8513), (598, 8549), (642, 8696), (666, 8726), (668, 8729),

Gene: MissSwiss_2 Start: 551, Stop: 2257, Start Num: 77

Candidate Starts for MissSwiss_2:

(Start: 77 @551 has 7 MA's), (120, 617), (240, 923), (258, 980), (274, 1028), (302, 1118), (305, 1142), (313, 1172), (346, 1292), (412, 1505), (425, 1544), (546, 1886), (556, 1922), (563, 1937), (570, 1955), (605, 2072), (630, 2168), (634, 2180),

Gene: MissWhite_12 Start: 6502, Stop: 8256, Start Num: 55

Candidate Starts for MissWhite_12:

(Start: 55 @6502 has 222 MA's), (Start: 142 @6646 has 2 MA's), (164, 6733), (191, 6820), (256, 7015), (258, 7018), (269, 7057), (295, 7126), (310, 7216), (316, 7240), (346, 7339), (347, 7342), (356, 7369), (357, 7372), (441, 7657), (470, 7732), (476, 7744), (480, 7756), (507, 7804), (512, 7819), (530, 7879), (551, 7963), (556, 7975), (642, 8212), (665, 8239), (666, 8242), (668, 8245),

Gene: MisterCuddles_2 Start: 573, Stop: 2210, Start Num: 88

Candidate Starts for MisterCuddles_2:

(Start: 88 @573 has 156 MA's), (91, 582), (Start: 101 @597 has 3 MA's), (Start: 114 @618 has 1 MA's), (Start: 134 @654 has 2 MA's), (136, 657), (143, 675), (168, 720), (184, 759), (208, 846), (224, 906), (238, 930), (241, 939), (242, 942), (245, 963), (251, 984), (260, 999), (276, 1056), (292, 1095), (303, 1164), (306, 1170), (314, 1200), (315, 1203), (316, 1212), (322, 1227), (328, 1245), (339, 1296), (365, 1389), (367, 1398), (422, 1569), (435, 1581), (470, 1665), (483, 1695), (485, 1698), (487, 1701), (512, 1758), (517, 1773), (519, 1779), (520, 1782), (523, 1797), (529, 1806), (545, 1875), (554, 1905), (558, 1914), (571, 1947), (583, 1980), (597, 2007), (611, 2040), (619, 2070), (623, 2091), (627, 2115), (630, 2124), (632, 2127), (660, 2184),

Gene: Mkhuseleli_12 Start: 7342, Stop: 8766, Start Num: 198

Candidate Starts for Mkhuseleli_12:

(Start: 61 @7078 has 24 MA's), (Start: 169 @7258 has 2 MA's), (198, 7342), (202, 7369), (205, 7378), (258, 7528), (267, 7561), (295, 7636), (310, 7726), (316, 7750), (328, 7777), (338, 7825), (380, 7981), (395, 8041), (481, 8266), (486, 8275), (490, 8287), (512, 8329), (519, 8350), (529, 8377), (556, 8485), (598, 8575), (627, 8680),

Gene: Modragons_2 Start: 578, Stop: 2218, Start Num: 86

Candidate Starts for Modragons_2:

(Start: 86 @578 has 6 MA's), (Start: 88 @581 has 156 MA's), (Start: 101 @605 has 3 MA's), (Start: 121 @638 has 1 MA's), (Start: 134 @662 has 2 MA's), (136, 665), (168, 728), (184, 767), (208, 854), (209, 860), (224, 914), (238, 938), (241, 947), (242, 950), (245, 971), (251, 992), (276, 1064), (292, 1103), (303, 1172), (306, 1178), (314, 1208), (315, 1211), (316, 1220), (322, 1235), (328, 1253), (339, 1304), (365, 1397), (367, 1406), (422, 1577), (435, 1589), (470, 1673), (483, 1703), (485, 1706), (487, 1709), (512, 1766), (517, 1781), (519, 1787), (520, 1790), (523, 1805), (529, 1814), (545, 1883), (554, 1913), (558, 1922), (571, 1955), (583, 1988), (597, 2015), (611, 2048), (616, 2069), (618, 2075), (619, 2078), (623, 2099), (627, 2123), (630, 2132), (632, 2135), (660, 2192),

Gene: Molly_12 Start: 6777, Stop: 8465, Start Num: 54

Candidate Starts for Molly_12:

(Start: 54 @6777 has 363 MA's), (Start: 169 @6957 has 2 MA's), (198, 7041), (205, 7077), (212, 7104), (246, 7200), (258, 7227), (267, 7260), (295, 7335), (310, 7425), (316, 7449), (328, 7476), (338, 7524), (360, 7593), (380, 7680), (395, 7740), (481, 7965), (486, 7974), (490, 7986), (512, 8028), (519, 8049), (529, 8076), (556, 8184), (598, 8274), (627, 8379),

Gene: Mollymur_13 Start: 6996, Stop: 8732, Start Num: 95

Candidate Starts for Mollymur_13:

(Start: 95 @6996 has 23 MA's), (139, 7068), (207, 7257), (230, 7368), (242, 7404), (270, 7500), (310, 7644), (317, 7671), (330, 7719), (338, 7752), (394, 7926), (405, 7971), (459, 8124), (555, 8442), (616, 8586), (630, 8646),

Gene: Monet_13 Start: 7974, Stop: 9662, Start Num: 61

Candidate Starts for Monet_13:

(Start: 61 @7974 has 24 MA's), (Start: 169 @8154 has 2 MA's), (198, 8238), (202, 8265), (205, 8274), (258, 8424), (267, 8457), (295, 8532), (310, 8622), (316, 8646), (328, 8673), (338, 8721), (360, 8790), (380, 8877), (395, 8937), (481, 9162), (486, 9171), (490, 9183), (512, 9225), (519, 9246), (529, 9273), (556, 9381), (598, 9471), (627, 9576),

Gene: MoneyMay_13 Start: 6955, Stop: 8655, Start Num: 57

Candidate Starts for MoneyMay_13:

(Start: 57 @6955 has 139 MA's), (Start: 89 @7003 has 4 MA's), (166, 7138), (230, 7330), (258, 7417), (268, 7453), (310, 7615), (336, 7705), (356, 7768), (395, 7930), (470, 8128), (480, 8152), (481, 8155), (512, 8218), (519, 8239), (530, 8278), (556, 8374), (577, 8428), (598, 8464), (642, 8611), (666, 8641), (668, 8644),

Gene: Moonbeam_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Moonbeam_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (143, 674), (168, 719), (184, 758), (208, 845), (209, 851), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Moose_10 Start: 7010, Stop: 8698, Start Num: 54

Candidate Starts for Moose_10:

(Start: 54 @7010 has 363 MA's), (Start: 169 @7190 has 2 MA's), (198, 7274), (205, 7310), (258, 7460), (295, 7568), (310, 7658), (316, 7682), (338, 7757), (360, 7826), (380, 7913), (395, 7973), (486, 8207), (490, 8219), (512, 8261), (519, 8282), (529, 8309), (556, 8417), (598, 8507), (627, 8612),

Gene: Morpher26_11 Start: 6893, Stop: 8590, Start Num: 54

Candidate Starts for Morpher26_11:

(Start: 54 @6893 has 363 MA's), (Start: 74 @6917 has 1 MA's), (198, 7163), (256, 7346), (258, 7349), (269, 7388), (295, 7457), (300, 7481), (310, 7547), (336, 7637), (380, 7802), (403, 7889), (458, 8015), (470, 8063), (480, 8087), (512, 8153), (523, 8192), (530, 8213), (556, 8309), (641, 8543), (642, 8546), (666, 8576), (668, 8579),

Gene: Morrow_11 Start: 6887, Stop: 8584, Start Num: 57

Candidate Starts for Morrow_11:

(13, 6707), (17, 6725), (Start: 20 @6755 has 1 MA's), (Start: 57 @6887 has 139 MA's), (Start: 74 @6911 has 1 MA's), (Start: 142 @7034 has 2 MA's), (185, 7124), (198, 7157), (256, 7340), (258, 7343), (269, 7382), (295, 7451), (300, 7475), (310, 7541), (336, 7631), (380, 7796), (403, 7883), (411, 7916), (443, 7982), (469, 8054), (470, 8057), (480, 8081), (507, 8132), (512, 8147), (523, 8186), (530, 8207), (556, 8303), (642, 8540), (666, 8570), (668, 8573),

Gene: MortyNRick_2 Start: 453, Stop: 2147, Start Num: 84

Candidate Starts for MortyNRick_2:

(28, 324), (33, 357), (34, 360), (56, 411), (64, 420), (Start: 84 @453 has 10 MA's), (Start: 103 @486 has 70 MA's), (Start: 132 @537 has 1 MA's), (139, 549), (148, 576), (166, 597), (187, 666), (191, 681), (202, 720), (210, 747), (212, 756), (214, 759), (230, 792), (238, 825), (239, 828), (243, 843), (252, 879), (254, 882), (258, 888), (263, 903), (264, 906), (278, 942), (295, 996), (304, 1047), (310, 1071), (336, 1158), (353, 1218), (357, 1227), (363, 1263), (373, 1299), (385, 1341), (396, 1395), (403, 1419), (409, 1443), (436, 1503), (442, 1509), (465, 1572), (480, 1626), (488, 1644), (512, 1701), (516, 1713), (523, 1740), (546, 1821), (553, 1851), (570, 1890), (579, 1914), (599, 1950), (605, 1962), (606, 1965), (630, 2058), (632, 2061), (636, 2079), (648, 2100), (659, 2121), (668, 2136),

Gene: MosMoris_33 Start: 10300, Stop: 12042, Start Num: 103

Candidate Starts for MosMoris_33:

(Start: 103 @10300 has 70 MA's), (166, 10417), (180, 10462), (195, 10528), (196, 10543), (201, 10576), (202, 10579), (207, 10594), (214, 10618), (216, 10621), (230, 10651), (236, 10672), (239, 10690), (242, 10699), (249, 10735), (258, 10750), (273, 10795), (292, 10837), (298, 10876), (302,

10888), (304, 10909), (317, 10960), (328, 10981), (390, 11203), (416, 11308), (419, 11317), (450, 11350), (459, 11371), (460, 11374), (465, 11401), (470, 11431), (476, 11443), (481, 11458), (486, 11467), (488, 11473), (506, 11515), (508, 11524), (514, 11539), (519, 11554), (537, 11614), (544, 11653), (552, 11686), (567, 11716), (568, 11719), (590, 11803), (605, 11857), (610, 11872), (619, 11899), (630, 11953), (665, 12025), (666, 12028),

Gene: Moss_2 Start: 594, Stop: 2282, Start Num: 79

Candidate Starts for Moss_2:

(Start: 79 @594 has 10 MA's), (235, 939), (243, 963), (258, 1008), (291, 1095), (302, 1149), (309, 1188), (346, 1323), (371, 1425), (457, 1647), (470, 1698), (546, 1917), (556, 1953), (563, 1968), (630, 2193), (634, 2205), (638, 2220), (668, 2271),

Gene: MrGordo_11 Start: 6729, Stop: 8417, Start Num: 54

Candidate Starts for MrGordo_11:

(Start: 54 @6729 has 363 MA's), (198, 6993), (201, 7017), (258, 7179), (267, 7212), (295, 7287), (310, 7377), (316, 7401), (328, 7428), (338, 7476), (360, 7545), (380, 7632), (395, 7692), (486, 7926), (490, 7938), (512, 7980), (519, 8001), (529, 8028), (556, 8136), (598, 8226), (627, 8331),

Gene: Mryolo_10 Start: 6759, Stop: 8447, Start Num: 54

Candidate Starts for Mryolo_10:

(Start: 54 @6759 has 363 MA's), (Start: 169 @6939 has 2 MA's), (198, 7023), (205, 7059), (258, 7209), (295, 7317), (310, 7407), (316, 7431), (338, 7506), (344, 7524), (380, 7662), (395, 7722), (481, 7947), (486, 7956), (490, 7968), (512, 8010), (519, 8031), (529, 8058), (556, 8166), (598, 8256), (627, 8361),

Gene: Ms6_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Ms6_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: MuchMore_15 Start: 6949, Stop: 8649, Start Num: 57

Candidate Starts for MuchMore_15:

(Start: 57 @6949 has 139 MA's), (Start: 89 @6997 has 4 MA's), (166, 7132), (230, 7324), (258, 7411), (310, 7609), (336, 7699), (356, 7762), (395, 7924), (470, 8122), (480, 8146), (481, 8149), (512, 8212), (519, 8233), (530, 8272), (556, 8368), (577, 8422), (598, 8458), (642, 8605), (666, 8635), (668, 8638),

Gene: Muddy_5 Start: 2008, Stop: 3672, Start Num: 103

Candidate Starts for Muddy_5:

(Start: 103 @2008 has 70 MA's), (126, 2047), (139, 2071), (191, 2200), (239, 2347), (243, 2362), (258, 2407), (273, 2455), (288, 2491), (301, 2548), (304, 2572), (314, 2608), (355, 2746), (367, 2806), (373, 2821), (384, 2860), (419, 3007), (465, 3097), (470, 3127), (516, 3232), (546, 3340), (553, 3370), (567, 3397), (570, 3409), (591, 3445), (592, 3448), (622, 3541), (636, 3598),

Gene: Mudpuppy_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Mudpuppy_2:

(Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1649), (556, 1904), (563, 1919), (605, 2054), (626, 2138), (634, 2162),

Gene: MulchSalad_2 Start: 586, Stop: 2223, Start Num: 88

Candidate Starts for MulchSalad_2:

(Start: 88 @586 has 156 MA's), (94, 601), (Start: 101 @610 has 3 MA's), (Start: 105 @616 has 1 MA's), (Start: 121 @643 has 1 MA's), (Start: 134 @667 has 2 MA's), (136, 670), (168, 733), (174, 751), (184, 772), (208, 859), (209, 865), (224, 919), (238, 943), (241, 952), (242, 955), (245, 976), (251, 997), (260, 1012), (276, 1069), (292, 1108), (303, 1177), (306, 1183), (314, 1213), (315, 1216), (316, 1225), (322, 1240), (328, 1258), (339, 1309), (358, 1360), (365, 1402), (367, 1411), (422, 1582), (435, 1594), (449, 1612), (470, 1678), (483, 1708), (485, 1711), (487, 1714), (512, 1771), (517, 1786), (519, 1792), (520, 1795), (523, 1810), (529, 1819), (545, 1888), (554, 1918), (558, 1927), (571, 1960), (583, 1993), (597, 2020), (611, 2053), (618, 2080), (619, 2083), (623, 2104), (627, 2128), (630, 2137), (632, 2140), (660, 2197),

Gene: Mulciber_12 Start: 8024, Stop: 9787, Start Num: 55

Candidate Starts for Mulciber_12:

(Start: 55 @8024 has 222 MA's), (Start: 72 @8045 has 5 MA's), (123, 8132), (164, 8261), (172, 8285), (191, 8348), (241, 8492), (256, 8543), (258, 8546), (295, 8657), (300, 8681), (301, 8684), (310, 8747), (313, 8756), (316, 8771), (352, 8888), (357, 8903), (368, 8963), (392, 9047), (443, 9188), (476, 9275), (480, 9287), (507, 9335), (512, 9350), (523, 9389), (530, 9410), (540, 9449), (551, 9494), (556, 9506), (642, 9743), (665, 9770),

Gene: Mule_11 Start: 7045, Stop: 8733, Start Num: 54

Candidate Starts for Mule_11:

(Start: 54 @7045 has 363 MA's), (198, 7309), (201, 7333), (258, 7495), (267, 7528), (295, 7603), (310, 7693), (316, 7717), (328, 7744), (338, 7792), (380, 7948), (395, 8008), (481, 8233), (486, 8242), (490, 8254), (512, 8296), (519, 8317), (529, 8344), (556, 8452), (598, 8542), (627, 8647),

Gene: Munch_12 Start: 8024, Stop: 9787, Start Num: 55

Candidate Starts for Munch_12:

(Start: 55 @8024 has 222 MA's), (Start: 72 @8045 has 5 MA's), (123, 8132), (164, 8261), (172, 8285), (191, 8348), (241, 8492), (256, 8543), (258, 8546), (295, 8657), (300, 8681), (301, 8684), (310, 8747), (313, 8756), (316, 8771), (352, 8888), (357, 8903), (368, 8963), (392, 9047), (476, 9275), (480, 9287), (507, 9335), (512, 9350), (523, 9389), (530, 9410), (540, 9449), (551, 9494), (556, 9506), (642, 9743), (665, 9770),

Gene: Mundrea_11 Start: 6846, Stop: 8543, Start Num: 54

Candidate Starts for Mundrea_11:

(Start: 54 @6846 has 363 MA's), (Start: 74 @6870 has 1 MA's), (198, 7116), (256, 7299), (258, 7302), (269, 7341), (295, 7410), (300, 7434), (305, 7464), (310, 7500), (336, 7590), (380, 7755), (403, 7842), (411, 7875), (443, 7941), (469, 8013), (470, 8016), (480, 8040), (512, 8106), (523, 8145), (530, 8166), (556, 8262), (583, 8331), (641, 8496), (642, 8499), (666, 8529), (668, 8532),

Gene: MunkgeeRoachy_4 Start: 1161, Stop: 2840, Start Num: 103

Candidate Starts for MunkgeeRoachy_4:

(Start: 103 @1161 has 70 MA's), (Start: 132 @1212 has 1 MA's), (141, 1233), (Start: 142 @1236 has 2 MA's), (167, 1278), (191, 1359), (210, 1425), (212, 1434), (239, 1506), (243, 1521), (252, 1557), (258, 1566), (273, 1617), (302, 1716), (314, 1773), (327, 1806), (363, 1950), (373, 1986), (384, 2025), (390, 2058), (403, 2106), (411, 2139), (416, 2163), (442, 2196), (459, 2229), (469, 2286), (473, 2295), (510, 2379), (537, 2466), (567, 2562), (599, 2634), (605, 2646), (637, 2766), (666, 2826), (668, 2829),

Gene: Museum_13 Start: 7063, Stop: 8751, Start Num: 61

Candidate Starts for Museum_13:

(Start: 61 @7063 has 24 MA's), (166, 7234), (Start: 169 @7243 has 2 MA's), (198, 7327), (202, 7354), (205, 7363), (258, 7513), (267, 7546), (295, 7621), (310, 7711), (316, 7735), (328, 7762), (338, 7810), (380, 7966), (395, 8026), (481, 8251), (486, 8260), (490, 8272), (512, 8314), (519, 8335), (529, 8362), (556, 8470), (598, 8560), (627, 8665),

Gene: Mutaforma13_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Mutaforma13_2:

(Start: 88 @587 has 156 MA's), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 114 @632 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (660, 2198),

Gene: MyraDee_9 Start: 5029, Stop: 6714, Start Num: 62

Candidate Starts for MyraDee_9:

(Start: 62 @5029 has 1 MA's), (Start: 132 @5140 has 1 MA's), (139, 5152), (166, 5203), (205, 5332), (214, 5362), (256, 5476), (310, 5665), (324, 5710), (344, 5788), (347, 5797), (376, 5914), (388, 5959), (395, 5986), (397, 5992), (398, 5995), (470, 6187), (480, 6211), (481, 6214), (530, 6337), (556, 6433), (642, 6670), (666, 6700), (668, 6703),

Gene: Mysterium_2 Start: 594, Stop: 2282, Start Num: 79

Candidate Starts for Mysterium_2:

(Start: 79 @594 has 10 MA's), (187, 795), (235, 939), (258, 1008), (291, 1095), (302, 1149), (309, 1188), (346, 1323), (371, 1425), (457, 1647), (470, 1698), (546, 1917), (556, 1953), (563, 1968), (630, 2193), (634, 2205), (638, 2220), (668, 2271),

Gene: Myxus_13 Start: 8109, Stop: 9896, Start Num: 55

Candidate Starts for Myxus_13:

(Start: 55 @8109 has 222 MA's), (Start: 68 @8124 has 32 MA's), (Start: 72 @8130 has 5 MA's), (139, 8241), (164, 8340), (212, 8502), (241, 8574), (258, 8628), (269, 8667), (295, 8739), (310, 8829), (316, 8853), (352, 8970), (357, 8985), (383, 9093), (402, 9168), (411, 9204), (429, 9264), (476, 9384), (484, 9405), (507, 9444), (523, 9498), (524, 9501), (530, 9519), (544, 9573), (551, 9603), (556, 9615), (598, 9705), (606, 9723), (642, 9852), (665, 9879), (666, 9882),

Gene: NEHalo_11 Start: 6571, Stop: 8259, Start Num: 54

Candidate Starts for NEHalo_11:

(Start: 54 @6571 has 363 MA's), (Start: 169 @6751 has 2 MA's), (198, 6835), (205, 6871), (212, 6898), (246, 6994), (258, 7021), (267, 7054), (295, 7129), (310, 7219), (316, 7243), (338, 7318), (380, 7474), (395, 7534), (481, 7759), (486, 7768), (490, 7780), (512, 7822), (519, 7843), (529, 7870), (556, 7978), (598, 8068), (627, 8173),

Gene: NaSiaTalie_12 Start: 7481, Stop: 9268, Start Num: 55

Candidate Starts for NaSiaTalie_12:

(27, 7397), (Start: 55 @7481 has 222 MA's), (123, 7589), (133, 7610), (161, 7700), (164, 7718), (256, 8000), (258, 8003), (295, 8111), (310, 8201), (316, 8225), (352, 8342), (357, 8357), (470, 8744), (523, 8870), (530, 8891), (551, 8975), (556, 8987), (642, 9224), (665, 9251), (666, 9254), (668, 9257), (669, 9260),

Gene: Nabi_6 Start: 2374, Stop: 4020, Start Num: 53

Candidate Starts for Nabi_6:

(Start: 53 @2374 has 92 MA's), (Start: 68 @2392 has 32 MA's), (180, 2596), (191, 2632), (248, 2812), (259, 2833), (277, 2878), (292, 2920), (304, 2992), (310, 3016), (339, 3115), (344, 3130), (352, 3154), (354, 3160), (407, 3328), (470, 3478), (479, 3499), (516, 3589), (546, 3697), (556, 3736), (567, 3757), (569, 3763), (573, 3781), (630, 3937), (670, 4015),

Gene: Naca_9 Start: 6070, Stop: 7848, Start Num: 29

Candidate Starts for Naca_9:

(Start: 29 @6070 has 19 MA's), (Start: 32 @6097 has 30 MA's), (58, 6157), (66, 6166), (Start: 90 @6205 has 1 MA's), (135, 6280), (139, 6286), (191, 6418), (212, 6493), (214, 6496), (279, 6670), (310, 6802), (324, 6847), (344, 6925), (346, 6931), (388, 7096), (397, 7129), (403, 7150), (470, 7324), (480, 7348), (523, 7450), (530, 7471), (544, 7525), (551, 7555), (556, 7567), (577, 7621), (641, 7801), (642, 7804), (668, 7837), (670, 7843),

Gene: NadineRae_24 Start: 9655, Stop: 11382, Start Num: 82

Candidate Starts for NadineRae_24:

(Start: 82 @9655 has 25 MA's), (Start: 121 @9718 has 1 MA's), (167, 9805), (183, 9856), (197, 9901), (202, 9931), (205, 9940), (212, 9973), (228, 10063), (233, 10081), (314, 10363), (322, 10390), (367, 10558), (371, 10570), (408, 10681), (485, 10864), (520, 10978), (523, 10993), (532, 11026), (558, 11101), (618, 11245), (627, 11287), (636, 11317), (661, 11359),

Gene: Naiad_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Naiad_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (446, 4236), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Nairb_3 Start: 724, Stop: 2607, Start Num: 42

Candidate Starts for Nairb_3:

(5, 475), (Start: 42 @724 has 7 MA's), (93, 805), (98, 814), (147, 910), (151, 922), (191, 1054), (242, 1201), (243, 1207), (248, 1234), (258, 1252), (282, 1315), (314, 1450), (364, 1651), (389, 1708), (473, 1927), (495, 1978), (503, 2002), (520, 2053), (547, 2182), (552, 2221), (556, 2230), (573, 2281), (585, 2320), (599, 2407), (605, 2419), (629, 2512), (634, 2527), (635, 2530),

Gene: Naji_15 Start: 7375, Stop: 9162, Start Num: 55

Candidate Starts for Naji_15:

(16, 7216), (19, 7243), (Start: 55 @7375 has 222 MA's), (123, 7483), (133, 7504), (155, 7570), (164, 7612), (191, 7699), (256, 7894), (258, 7897), (295, 8005), (310, 8095), (316, 8119), (346, 8218), (356, 8248), (357, 8251), (386, 8362), (439, 8551), (507, 8710), (512, 8725), (516, 8737), (523, 8764), (530, 8785), (551, 8869), (556, 8881), (598, 8971), (642, 9118), (665, 9145), (666, 9148),

Gene: Nancinator_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Nancinator_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (446, 4236), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Nanodon_8 Start: 2573, Stop: 4219, Start Num: 53

Candidate Starts for Nanodon_8:

(Start: 53 @2573 has 92 MA's), (Start: 68 @2591 has 32 MA's), (180, 2795), (204, 2876), (248, 3011), (259, 3032), (277, 3077), (292, 3119), (304, 3191), (310, 3215), (339, 3314), (357, 3368), (407, 3527),

(431, 3587), (479, 3698), (507, 3761), (516, 3788), (528, 3821), (546, 3896), (556, 3935), (567, 3956), (569, 3962), (573, 3980), (616, 4076), (630, 4136),

Gene: NatB6_24 Start: 12178, Stop: 13905, Start Num: 81

Candidate Starts for NatB6_24:

(9, 11944), (30, 12073), (Start: 81 @12178 has 11 MA's), (167, 12328), (183, 12379), (184, 12385), (197, 12424), (202, 12454), (209, 12478), (212, 12496), (219, 12523), (228, 12586), (233, 12604), (314, 12889), (322, 12916), (345, 13000), (367, 13084), (371, 13096), (381, 13129), (408, 13207), (444, 13285), (470, 13357), (485, 13390), (502, 13453), (512, 13480), (520, 13504), (529, 13528), (558, 13627), (576, 13675), (627, 13813), (636, 13843), (669, 13897),

Gene: Natosaleda_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Natosaleda_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (446, 4236), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: NearlyHeadless_9 Start: 5706, Stop: 7460, Start Num: 32

Candidate Starts for NearlyHeadless_9:

(Start: 32 @5706 has 30 MA's), (49, 5748), (73, 5787), (115, 5856), (139, 5895), (212, 6102), (287, 6303), (310, 6411), (346, 6540), (388, 6705), (397, 6738), (446, 6858), (470, 6933), (516, 7035), (519, 7044), (523, 7062), (530, 7083), (544, 7137), (556, 7179), (605, 7284), (630, 7383), (642, 7416), (668, 7449), (670, 7455),

Gene: Nebs_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Nebs_11:

(13, 6707), (17, 6725), (Start: 20 @6755 has 1 MA's), (Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Nebulosus_14 Start: 6686, Stop: 8383, Start Num: 55

Candidate Starts for Nebulosus_14:

(Start: 55 @6686 has 222 MA's), (71, 6704), (166, 6866), (212, 7022), (241, 7091), (258, 7145), (295, 7253), (301, 7280), (310, 7343), (316, 7367), (480, 7883), (512, 7946), (524, 7988), (556, 8102), (605, 8207), (642, 8339), (665, 8366), (666, 8369), (668, 8372),

Gene: Nedarya_13 Start: 7279, Stop: 8973, Start Num: 55

Candidate Starts for Nedarya_13:

(Start: 55 @7279 has 222 MA's), (71, 7294), (166, 7456), (241, 7681), (258, 7735), (295, 7843), (310, 7933), (316, 7957), (352, 8074), (383, 8197), (438, 8362), (470, 8449), (480, 8473), (512, 8536), (516, 8548), (524, 8578), (556, 8692), (606, 8800), (642, 8929), (665, 8956), (666, 8959), (668, 8962),

Gene: Neeharika16_15 Start: 7523, Stop: 9277, Start Num: 55

Candidate Starts for Neeharika16_15:

(Start: 55 @7523 has 222 MA's), (164, 7754), (180, 7805), (191, 7841), (212, 7916), (258, 8039), (269, 8078), (295, 8147), (300, 8171), (301, 8174), (310, 8237), (316, 8261), (356, 8390), (357, 8393), (386, 8504), (438, 8666), (470, 8753), (476, 8765), (480, 8777), (507, 8825), (512, 8840), (523, 8879), (530, 8900), (551, 8984), (556, 8996), (642, 9233), (665, 9260), (666, 9263),

Gene: Nemo27_11 Start: 6907, Stop: 8580, Start Num: 74

Candidate Starts for Nemo27_11:

(Start: 54 @6883 has 363 MA's), (Start: 74 @6907 has 1 MA's), (Start: 142 @7030 has 2 MA's), (185, 7120), (198, 7153), (230, 7252), (256, 7336), (258, 7339), (269, 7378), (295, 7447), (300, 7471), (310, 7537), (336, 7627), (380, 7792), (403, 7879), (411, 7912), (443, 7978), (469, 8050), (470, 8053), (480, 8077), (507, 8128), (512, 8143), (523, 8182), (530, 8203), (556, 8299), (642, 8536), (666, 8566), (668, 8569),

Gene: Nerdos_6 Start: 2402, Stop: 4048, Start Num: 53

Candidate Starts for Nerdos_6:

(Start: 53 @2402 has 92 MA's), (Start: 68 @2420 has 32 MA's), (180, 2624), (204, 2705), (248, 2840), (259, 2861), (292, 2948), (304, 3020), (310, 3044), (339, 3143), (357, 3197), (392, 3296), (407, 3356), (476, 3518), (479, 3527), (516, 3617), (523, 3644), (545, 3722), (546, 3725), (556, 3764), (567, 3785), (569, 3791), (573, 3809), (616, 3905), (630, 3965),

Gene: Nergal_5 Start: 1844, Stop: 3613, Start Num: 45

Candidate Starts for Nergal_5:

(Start: 45 @1844 has 1 MA's), (63, 1868), (69, 1877), (111, 1937), (166, 2033), (172, 2051), (191, 2114), (204, 2159), (212, 2189), (216, 2195), (235, 2249), (248, 2300), (250, 2306), (252, 2309), (301, 2462), (314, 2519), (327, 2552), (367, 2735), (374, 2753), (413, 2861), (458, 2960), (459, 2963), (470, 3008), (481, 3035), (515, 3149), (516, 3152), (523, 3179), (530, 3200), (535, 3227), (556, 3317), (572, 3359), (582, 3383), (598, 3407), (617, 3461), (627, 3512), (629, 3518), (641, 3551),

Gene: Nerujay_12 Start: 7406, Stop: 9094, Start Num: 54

Candidate Starts for Nerujay_12:

(Start: 54 @7406 has 363 MA's), (198, 7670), (201, 7694), (258, 7856), (267, 7889), (295, 7964), (310, 8054), (316, 8078), (328, 8105), (338, 8153), (360, 8222), (376, 8297), (380, 8309), (395, 8369), (486, 8603), (490, 8615), (512, 8657), (519, 8678), (529, 8705), (556, 8813), (598, 8903), (627, 9008),

Gene: Nette_3 Start: 631, Stop: 2514, Start Num: 42

Candidate Starts for Nette_3:

(Start: 20 @535 has 1 MA's), (Start: 42 @631 has 7 MA's), (147, 817), (151, 829), (242, 1108), (243, 1114), (248, 1141), (258, 1159), (282, 1222), (314, 1357), (366, 1573), (369, 1582), (389, 1615), (473, 1834), (495, 1885), (498, 1888), (503, 1909), (520, 1960), (524, 1975), (537, 2047), (547, 2089), (550, 2098), (552, 2128), (556, 2137), (573, 2188), (582, 2209), (596, 2308), (599, 2314), (605, 2326), (629, 2419), (634, 2434), (635, 2437), (664, 2497),

Gene: NewHope4_2 Start: 628, Stop: 2208, Start Num: 121

Candidate Starts for NewHope4_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 121 @628 has 1 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (260, 997), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (577, 1963), (583, 1978), (597, 2005), (611, 2038), (618, 2065), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Newwala_15 Start: 7523, Stop: 9277, Start Num: 55

Candidate Starts for Newwala_15:

(Start: 55 @7523 has 222 MA's), (164, 7754), (180, 7805), (191, 7841), (212, 7916), (258, 8039), (269, 8078), (295, 8147), (300, 8171), (301, 8174), (310, 8237), (316, 8261), (356, 8390), (357, 8393), (386, 8504), (438, 8666), (470, 8753), (476, 8765), (480, 8777), (507, 8825), (512, 8840), (523, 8879), (530, 8900), (551, 8984), (556, 8996), (642, 9233), (665, 9260), (666, 9263),

Gene: Nhonho_11 Start: 6855, Stop: 8543, Start Num: 54

Candidate Starts for Nhonho_11:

(Start: 54 @6855 has 363 MA's), (Start: 169 @7035 has 2 MA's), (198, 7119), (205, 7155), (212, 7182), (258, 7305), (295, 7413), (310, 7503), (316, 7527), (328, 7554), (338, 7602), (380, 7758), (395, 7818), (481, 8043), (486, 8052), (490, 8064), (512, 8106), (519, 8127), (529, 8154), (556, 8262), (598, 8352), (627, 8457),

Gene: Nibbles_6 Start: 1989, Stop: 3689, Start Num: 103

Candidate Starts for Nibbles_6:

(Start: 103 @1989 has 70 MA's), (120, 2019), (141, 2061), (191, 2199), (205, 2247), (214, 2277), (230, 2310), (239, 2346), (243, 2361), (245, 2376), (258, 2406), (273, 2457), (302, 2556), (304, 2577), (327, 2646), (336, 2688), (345, 2718), (384, 2865), (394, 2916), (411, 2979), (416, 3003), (458, 3069), (465, 3102), (467, 3126), (469, 3129), (473, 3138), (481, 3159), (492, 3186), (512, 3231), (516, 3243), (518, 3249), (523, 3270), (533, 3309), (567, 3408), (579, 3444), (618, 3531), (637, 3612), (641, 3618), (666, 3675), (668, 3678),

Gene: NicoleTera_16 Start: 9187, Stop: 10974, Start Num: 55

Candidate Starts for NicoleTera_16:

(Start: 55 @9187 has 222 MA's), (123, 9295), (133, 9316), (155, 9382), (164, 9424), (172, 9448), (191, 9511), (256, 9706), (258, 9709), (269, 9748), (295, 9817), (310, 9907), (316, 9931), (352, 10048), (357, 10063), (470, 10450), (512, 10537), (516, 10549), (524, 10579), (530, 10597), (556, 10693), (642, 10930), (665, 10957), (666, 10960), (668, 10963), (669, 10966),

Gene: Nimbo_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Nimbo_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Nina_4 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for Nina_4:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (384, 1977), (390, 2010), (403, 2058), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: Niobe_2 Start: 534, Stop: 2240, Start Num: 75

Candidate Starts for Niobe_2:

(Start: 75 @534 has 41 MA's), (Start: 132 @621 has 1 MA's), (240, 906), (258, 963), (263, 984), (274, 1011), (302, 1101), (313, 1155), (327, 1200), (346, 1275), (367, 1365), (412, 1488), (425, 1527), (470, 1650), (537, 1830), (544, 1863), (556, 1905), (563, 1920), (605, 2055), (616, 2091), (630, 2151), (634, 2163),

Gene: Nishikigoi_6 Start: 2173, Stop: 3822, Start Num: 53

Candidate Starts for Nishikigoi_6:

(Start: 53 @2173 has 92 MA's), (126, 2290), (172, 2371), (180, 2398), (198, 2446), (204, 2479), (210, 2500), (243, 2587), (248, 2614), (259, 2635), (277, 2680), (292, 2722), (304, 2794), (310, 2818), (339,

2917), (349, 2953), (357, 2971), (397, 3091), (398, 3094), (407, 3130), (446, 3211), (479, 3301), (484, 3313), (507, 3364), (523, 3418), (556, 3538), (567, 3559), (572, 3580), (573, 3583), (605, 3643), (630, 3739), (670, 3817),

Gene: Nitro_2 Start: 535, Stop: 2241, Start Num: 75

Candidate Starts for Nitro_2:

(Start: 75 @535 has 41 MA's), (120, 601), (Start: 132 @622 has 1 MA's), (240, 907), (258, 964), (274, 1012), (302, 1102), (313, 1156), (327, 1201), (346, 1276), (367, 1366), (425, 1528), (470, 1651), (537, 1831), (556, 1906), (563, 1921), (605, 2056), (630, 2152), (634, 2164),

Gene: Nitzel_3 Start: 1235, Stop: 2872, Start Num: 88

Candidate Starts for Nitzel_3:

(Start: 86 @1232 has 6 MA's), (Start: 88 @1235 has 156 MA's), (Start: 101 @1259 has 3 MA's), (Start: 105 @1265 has 1 MA's), (Start: 114 @1280 has 1 MA's), (Start: 121 @1292 has 1 MA's), (Start: 134 @1316 has 2 MA's), (136, 1319), (168, 1382), (174, 1400), (184, 1421), (208, 1508), (209, 1514), (224, 1568), (233, 1580), (238, 1592), (241, 1601), (242, 1604), (245, 1625), (251, 1646), (260, 1661), (276, 1718), (292, 1757), (303, 1826), (306, 1832), (314, 1862), (315, 1865), (316, 1874), (322, 1889), (328, 1907), (339, 1958), (367, 2060), (422, 2231), (435, 2243), (449, 2261), (470, 2327), (483, 2357), (485, 2360), (487, 2363), (512, 2420), (517, 2435), (519, 2441), (520, 2444), (523, 2459), (529, 2468), (545, 2537), (554, 2567), (558, 2576), (571, 2609), (583, 2642), (597, 2669), (611, 2702), (618, 2729), (619, 2732), (623, 2753), (627, 2777), (630, 2786), (632, 2789), (660, 2846),

Gene: Nivrat_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Nivrat_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (143, 674), (168, 719), (184, 758), (208, 845), (209, 851), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (449, 1598), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Niza_13 Start: 8083, Stop: 9771, Start Num: 61

Candidate Starts for Niza_13:

(Start: 61 @8083 has 24 MA's), (166, 8254), (Start: 169 @8263 has 2 MA's), (198, 8347), (202, 8374), (205, 8383), (258, 8533), (267, 8566), (295, 8641), (310, 8731), (316, 8755), (328, 8782), (338, 8830), (360, 8899), (380, 8986), (383, 8995), (395, 9046), (486, 9280), (490, 9292), (512, 9334), (519, 9355), (529, 9382), (556, 9490), (598, 9580), (627, 9685),

Gene: NoShow_2 Start: 679, Stop: 2346, Start Num: 103

Candidate Starts for NoShow_2:

(Start: 103 @679 has 70 MA's), (110, 697), (139, 742), (180, 835), (191, 871), (243, 1033), (258, 1078), (263, 1099), (273, 1126), (304, 1243), (314, 1279), (336, 1354), (419, 1678), (450, 1714), (459, 1738), (477, 1813), (510, 1885), (520, 1915), (523, 1930), (532, 1963), (546, 2011), (553, 2041), (567, 2068), (575, 2095), (591, 2116), (622, 2218), (632, 2257),

Gene: Nodigi_5 Start: 1094, Stop: 2791, Start Num: 100

Candidate Starts for Nodigi_5:

(Start: 100 @1094 has 9 MA's), (Start: 132 @1148 has 1 MA's), (141, 1169), (152, 1196), (191, 1307), (214, 1385), (241, 1460), (243, 1469), (258, 1514), (259, 1517), (273, 1565), (279, 1577), (302, 1664), (327, 1754), (349, 1844), (363, 1898), (416, 2111), (424, 2126), (434, 2135), (459, 2177), (473, 2243), (476, 2249), (492, 2291), (508, 2324), (512, 2333), (546, 2453), (567, 2510), (572, 2531), (591, 2558),

(614, 2618), (629, 2687), (630, 2690), (645, 2735), (666, 2777), (668, 2780),

Gene: Noella_12 Start: 7044, Stop: 8741, Start Num: 54

Candidate Starts for Noella_12:

(Start: 54 @7044 has 363 MA's), (Start: 74 @7068 has 1 MA's), (198, 7314), (250, 7488), (258, 7500), (269, 7539), (278, 7551), (295, 7608), (300, 7632), (310, 7698), (313, 7707), (336, 7788), (346, 7821), (380, 7953), (386, 7965), (397, 8019), (403, 8040), (411, 8073), (438, 8127), (470, 8214), (480, 8238), (481, 8241), (484, 8247), (488, 8256), (512, 8304), (523, 8343), (524, 8346), (530, 8364), (556, 8460), (577, 8514), (632, 8667), (642, 8697), (666, 8727), (668, 8730),

Gene: Noelle_11 Start: 6950, Stop: 8647, Start Num: 54

Candidate Starts for Noelle_11:

(Start: 54 @6950 has 363 MA's), (Start: 74 @6974 has 1 MA's), (115, 7046), (198, 7220), (256, 7403), (258, 7406), (269, 7445), (295, 7514), (300, 7538), (310, 7604), (336, 7694), (380, 7859), (392, 7904), (403, 7946), (411, 7979), (458, 8072), (469, 8117), (470, 8120), (480, 8144), (481, 8147), (512, 8210), (523, 8249), (530, 8270), (556, 8366), (642, 8603), (666, 8633), (668, 8636),

Gene: Norbert_11 Start: 7044, Stop: 8741, Start Num: 54

Candidate Starts for Norbert_11:

(Start: 54 @7044 has 363 MA's), (Start: 74 @7068 has 1 MA's), (198, 7314), (250, 7488), (258, 7500), (269, 7539), (278, 7551), (295, 7608), (300, 7632), (310, 7698), (313, 7707), (336, 7788), (346, 7821), (380, 7953), (386, 7965), (397, 8019), (403, 8040), (411, 8073), (438, 8127), (470, 8214), (480, 8238), (481, 8241), (484, 8247), (488, 8256), (512, 8304), (523, 8343), (524, 8346), (530, 8364), (556, 8460), (577, 8514), (632, 8667), (642, 8697), (666, 8727), (668, 8730),

Gene: NormanBulbieJr_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for NormanBulbieJr_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: NorthStar_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for NorthStar_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Norvs_31 Start: 8685, Stop: 10433, Start Num: 95

Candidate Starts for Norvs_31:

(Start: 95 @8685 has 23 MA's), (112, 8715), (177, 8844), (225, 9030), (233, 9069), (242, 9093), (256, 9141), (264, 9168), (274, 9198), (327, 9390), (330, 9408), (370, 9570), (393, 9618), (398, 9633), (457, 9816), (459, 9822), (480, 9906), (515, 9993), (524, 10026), (555, 10140), (569, 10176), (577, 10200), (586, 10215), (646, 10389), (653, 10395),

Gene: Norz_13 Start: 7718, Stop: 9406, Start Num: 54

Candidate Starts for Norz_13:

(Start: 54 @7718 has 363 MA's), (198, 7982), (201, 8006), (258, 8168), (267, 8201), (295, 8276), (310, 8366), (316, 8390), (338, 8465), (380, 8621), (395, 8681), (486, 8915), (490, 8927), (512, 8969), (519, 8990), (529, 9017), (556, 9125), (598, 9215), (627, 9320),

Gene: NosilaM_27 Start: 12802, Stop: 14526, Start Num: 86

Candidate Starts for NosilaM_27:

(Start: 82 @12796 has 25 MA's), (Start: 86 @12802 has 6 MA's), (167, 12946), (183, 12997), (184, 13003), (192, 13030), (197, 13042), (202, 13072), (209, 13096), (212, 13114), (314, 13507), (322, 13534), (367, 13702), (371, 13714), (381, 13747), (408, 13825), (496, 14041), (502, 14071), (520, 14122), (532, 14170), (558, 14245), (562, 14257), (576, 14293), (627, 14431), (636, 14461),

Gene: NotAPhaseMom_11 Start: 6888, Stop: 8585, Start Num: 54

Candidate Starts for NotAPhaseMom_11:

(Start: 54 @6888 has 363 MA's), (Start: 74 @6912 has 1 MA's), (Start: 142 @7035 has 2 MA's), (185, 7125), (198, 7158), (230, 7257), (256, 7341), (258, 7344), (269, 7383), (295, 7452), (300, 7476), (310, 7542), (336, 7632), (380, 7797), (403, 7884), (411, 7917), (443, 7983), (469, 8055), (470, 8058), (480, 8082), (507, 8133), (512, 8148), (523, 8187), (530, 8208), (556, 8304), (642, 8541), (666, 8571), (668, 8574),

Gene: NothingSpecial_14 Start: 9458, Stop: 11239, Start Num: 55

Candidate Starts for NothingSpecial_14:

(Start: 55 @9458 has 222 MA's), (139, 9590), (164, 9689), (256, 9971), (258, 9974), (269, 10013), (295, 10082), (310, 10172), (316, 10196), (346, 10295), (357, 10328), (439, 10628), (470, 10715), (484, 10748), (516, 10814), (530, 10862), (551, 10946), (556, 10958), (642, 11195), (665, 11222), (666, 11225),

Gene: NovumRegina_24 Start: 12509, Stop: 14236, Start Num: 81

Candidate Starts for NovumRegina_24:

(9, 12275), (30, 12404), (Start: 81 @12509 has 11 MA's), (167, 12659), (183, 12710), (184, 12716), (197, 12755), (202, 12785), (209, 12809), (212, 12827), (219, 12854), (228, 12917), (233, 12935), (314, 13220), (322, 13247), (345, 13331), (367, 13415), (371, 13427), (381, 13460), (408, 13538), (444, 13616), (470, 13688), (485, 13721), (502, 13784), (512, 13811), (520, 13835), (529, 13859), (558, 13958), (576, 14006), (627, 14144), (636, 14174), (669, 14228),

Gene: Nyxis_11 Start: 6830, Stop: 8527, Start Num: 54

Candidate Starts for Nyxis_11:

(11, 6644), (13, 6653), (17, 6671), (Start: 20 @6701 has 1 MA's), (Start: 54 @6830 has 363 MA's), (Start: 74 @6854 has 1 MA's), (Start: 142 @6977 has 2 MA's), (185, 7067), (198, 7100), (230, 7199), (256, 7283), (258, 7286), (269, 7325), (295, 7394), (300, 7418), (310, 7484), (336, 7574), (380, 7739), (403, 7826), (411, 7859), (443, 7925), (469, 7997), (470, 8000), (480, 8024), (507, 8075), (512, 8090), (523, 8129), (530, 8150), (556, 8246), (642, 8483), (666, 8513), (668, 8516),

Gene: OKCentral2016_11 Start: 6407, Stop: 8080, Start Num: 54

Candidate Starts for OKCentral2016_11:

(Start: 54 @6407 has 363 MA's), (Start: 142 @6536 has 2 MA's), (175, 6602), (198, 6668), (208, 6713), (230, 6767), (243, 6809), (258, 6854), (269, 6893), (292, 6941), (295, 6962), (300, 6986), (310, 7037), (346, 7160), (363, 7229), (387, 7307), (399, 7367), (411, 7412), (443, 7478), (469, 7550), (470, 7553), (480, 7577), (512, 7643), (523, 7682), (524, 7685), (530, 7703), (556, 7799), (583, 7868), (642, 8036), (666, 8066), (668, 8069),

Gene: OKaNui_11 Start: 6649, Stop: 8346, Start Num: 54

Candidate Starts for OKaNui_11:

(Start: 54 @6649 has 363 MA's), (Start: 74 @6673 has 1 MA's), (Start: 142 @6796 has 2 MA's), (185, 6886), (198, 6919), (230, 7018), (256, 7102), (258, 7105), (269, 7144), (295, 7213), (300, 7237), (310, 7303), (336, 7393), (380, 7558), (403, 7645), (411, 7678), (443, 7744), (469, 7816), (470, 7819), (480, 7843), (512, 7909), (523, 7948), (530, 7969), (556, 8065), (641, 8299), (642, 8302), (666, 8332), (668, 8335),

Gene: Obama12_11 Start: 6863, Stop: 8560, Start Num: 54

Candidate Starts for Obama12_11:

(Start: 54 @6863 has 363 MA's), (Start: 74 @6887 has 1 MA's), (Start: 142 @7010 has 2 MA's), (185, 7100), (198, 7133), (256, 7316), (258, 7319), (269, 7358), (295, 7427), (300, 7451), (310, 7517), (336, 7607), (380, 7772), (403, 7859), (411, 7892), (443, 7958), (469, 8030), (480, 8057), (507, 8108), (512, 8123), (523, 8162), (530, 8183), (556, 8279), (642, 8516), (666, 8546), (668, 8549),

Gene: ObiToo_2 Start: 546, Stop: 2252, Start Num: 75

Candidate Starts for ObiToo_2:

(4, 243), (Start: 75 @546 has 41 MA's), (120, 612), (240, 918), (258, 975), (274, 1023), (302, 1113), (313, 1167), (327, 1212), (346, 1287), (425, 1539), (537, 1842), (546, 1881), (556, 1917), (563, 1932), (605, 2067), (630, 2163), (634, 2175),

Gene: Ochi17_2 Start: 581, Stop: 2218, Start Num: 88

Candidate Starts for Ochi17_2:

(Start: 86 @578 has 6 MA's), (Start: 88 @581 has 156 MA's), (Start: 101 @605 has 3 MA's), (Start: 121 @638 has 1 MA's), (Start: 134 @662 has 2 MA's), (136, 665), (168, 728), (184, 767), (208, 854), (209, 860), (224, 914), (238, 938), (241, 947), (242, 950), (245, 971), (251, 992), (276, 1064), (292, 1103), (303, 1172), (306, 1178), (314, 1208), (315, 1211), (316, 1220), (322, 1235), (328, 1253), (339, 1304), (365, 1397), (367, 1406), (422, 1577), (435, 1589), (470, 1673), (483, 1703), (485, 1706), (487, 1709), (512, 1766), (517, 1781), (519, 1787), (520, 1790), (523, 1805), (529, 1814), (545, 1883), (554, 1913), (558, 1922), (571, 1955), (583, 1988), (597, 2015), (611, 2048), (616, 2069), (618, 2075), (619, 2078), (623, 2099), (627, 2123), (630, 2132), (632, 2135), (660, 2192),

Gene: Odin_11 Start: 6300, Stop: 8084, Start Num: 55

Candidate Starts for Odin_11:

(Start: 55 @6300 has 222 MA's), (164, 6531), (191, 6618), (243, 6771), (256, 6813), (258, 6816), (295, 6927), (300, 6951), (301, 6954), (310, 7017), (316, 7041), (357, 7173), (383, 7281), (523, 7686), (530, 7707), (551, 7791), (556, 7803), (606, 7911), (642, 8040), (665, 8067), (666, 8070),

Gene: OfUltron_2 Start: 605, Stop: 2218, Start Num: 101

Candidate Starts for OfUltron_2:

(Start: 86 @578 has 6 MA's), (Start: 88 @581 has 156 MA's), (Start: 101 @605 has 3 MA's), (Start: 121 @638 has 1 MA's), (Start: 134 @662 has 2 MA's), (136, 665), (168, 728), (184, 767), (208, 854), (209, 860), (224, 914), (238, 938), (241, 947), (242, 950), (245, 971), (251, 992), (276, 1064), (292, 1103), (303, 1172), (306, 1178), (314, 1208), (315, 1211), (316, 1220), (322, 1235), (328, 1253), (339, 1304), (365, 1397), (367, 1406), (422, 1577), (435, 1589), (470, 1673), (483, 1703), (485, 1706), (487, 1709), (512, 1766), (517, 1781), (519, 1787), (520, 1790), (523, 1805), (529, 1814), (545, 1883), (554, 1913), (558, 1922), (571, 1955), (583, 1988), (597, 2015), (611, 2048), (616, 2069), (618, 2075), (619, 2078), (623, 2099), (627, 2123), (630, 2132), (632, 2135), (660, 2192),

Gene: Ohfah_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Ohfah_11:

(13, 6707), (17, 6725), (Start: 20 @6755 has 1 MA's), (Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530,

8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Ohno789_10 Start: 6399, Stop: 8087, Start Num: 54

Candidate Starts for Ohno789_10:

(Start: 54 @6399 has 363 MA's), (Start: 169 @6579 has 2 MA's), (198, 6663), (205, 6699), (212, 6726), (258, 6849), (295, 6957), (310, 7047), (316, 7071), (328, 7098), (338, 7146), (360, 7215), (376, 7290), (380, 7302), (395, 7362), (481, 7587), (486, 7596), (490, 7608), (512, 7650), (519, 7671), (529, 7698), (556, 7806), (598, 7896), (615, 7938), (641, 8040),

Gene: OlanP_13 Start: 7209, Stop: 8909, Start Num: 57

Candidate Starts for OlanP_13:

(Start: 57 @7209 has 139 MA's), (Start: 89 @7257 has 4 MA's), (Start: 132 @7329 has 1 MA's), (166, 7392), (258, 7671), (310, 7869), (336, 7959), (356, 8022), (395, 8184), (470, 8382), (480, 8406), (481, 8409), (512, 8472), (516, 8484), (519, 8493), (523, 8511), (530, 8532), (556, 8628), (577, 8682), (598, 8718), (642, 8865), (666, 8895), (668, 8898),

Gene: OldBen_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for OldBen_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Oliynyk_7 Start: 2562, Stop: 4208, Start Num: 53

Candidate Starts for Oliynyk_7:

(Start: 53 @2562 has 92 MA's), (Start: 68 @2580 has 32 MA's), (180, 2784), (204, 2865), (248, 3000), (259, 3021), (277, 3066), (292, 3108), (304, 3180), (310, 3204), (336, 3291), (339, 3303), (357, 3357), (392, 3456), (407, 3516), (476, 3678), (479, 3687), (516, 3777), (528, 3810), (545, 3882), (546, 3885), (556, 3924), (567, 3945), (569, 3951), (573, 3969), (616, 4065), (630, 4125),

Gene: Ollie_13 Start: 6828, Stop: 8528, Start Num: 57

Candidate Starts for Ollie_13:

(Start: 57 @6828 has 139 MA's), (Start: 89 @6876 has 4 MA's), (166, 7011), (230, 7203), (258, 7290), (310, 7488), (336, 7578), (356, 7641), (395, 7803), (470, 8001), (480, 8025), (481, 8028), (512, 8091), (519, 8112), (530, 8151), (556, 8247), (577, 8301), (598, 8337), (642, 8484), (666, 8514), (668, 8517),

Gene: OlympiaSaint_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for OlympiaSaint_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Omar_7 Start: 2403, Stop: 4052, Start Num: 53

Candidate Starts for Omar_7:

(Start: 53 @2403 has 92 MA's), (Start: 68 @2424 has 32 MA's), (112, 2502), (180, 2628), (191, 2664), (198, 2676), (204, 2709), (239, 2802), (243, 2817), (248, 2844), (259, 2865), (277, 2910), (292, 2952), (304, 3024), (310, 3048), (339, 3147), (352, 3186), (357, 3201), (368, 3261), (392, 3300), (397, 3321), (398, 3324), (407, 3360), (476, 3522), (479, 3531), (484, 3543), (488, 3552), (516, 3621), (523, 3648), (546, 3729), (556, 3768), (567, 3789), (573, 3813), (605, 3873), (630, 3969), (638, 3996), (670, 4047),

Gene: OneUp_24 Start: 6501, Stop: 8249, Start Num: 95

Candidate Starts for OneUp_24:

(Start: 95 @6501 has 23 MA's), (112, 6531), (164, 6621), (177, 6660), (233, 6885), (239, 6900), (242, 6909), (256, 6957), (264, 6984), (327, 7206), (330, 7224), (366, 7374), (393, 7434), (394, 7437), (398, 7449), (470, 7698), (512, 7800), (515, 7809), (516, 7812), (523, 7839), (524, 7842), (555, 7956), (569, 7992), (577, 8016), (646, 8205), (653, 8211),

Gene: Onglai_12 Start: 6490, Stop: 8262, Start Num: 68

Candidate Starts for Onglai_12:

(Start: 55 @6475 has 222 MA's), (Start: 68 @6490 has 32 MA's), (Start: 72 @6496 has 5 MA's), (139, 6607), (164, 6706), (212, 6868), (241, 6940), (258, 6994), (269, 7033), (295, 7105), (310, 7195), (316, 7219), (352, 7336), (357, 7351), (383, 7459), (402, 7534), (429, 7630), (476, 7750), (484, 7771), (507, 7810), (523, 7864), (524, 7867), (530, 7885), (544, 7939), (551, 7969), (556, 7981), (598, 8071), (606, 8089), (642, 8218), (665, 8245), (666, 8248),

Gene: Oofda_15 Start: 6657, Stop: 8354, Start Num: 55

Candidate Starts for Oofda_15:

(Start: 55 @6657 has 222 MA's), (71, 6675), (166, 6837), (212, 6993), (241, 7062), (258, 7116), (295, 7224), (301, 7251), (310, 7314), (316, 7338), (480, 7854), (512, 7917), (524, 7959), (556, 8073), (605, 8178), (642, 8310), (665, 8337), (666, 8340), (668, 8343),

Gene: Oogway_10 Start: 6991, Stop: 8679, Start Num: 54

Candidate Starts for Oogway_10:

(Start: 54 @6991 has 363 MA's), (Start: 169 @7171 has 2 MA's), (198, 7255), (205, 7291), (212, 7318), (258, 7441), (267, 7474), (295, 7549), (310, 7639), (316, 7663), (338, 7738), (360, 7807), (376, 7882), (380, 7894), (395, 7954), (481, 8179), (486, 8188), (490, 8200), (512, 8242), (519, 8263), (529, 8290), (556, 8398), (598, 8488), (627, 8593),

Gene: Orange_12 Start: 8024, Stop: 9787, Start Num: 55

Candidate Starts for Orange_12:

(Start: 55 @8024 has 222 MA's), (Start: 72 @8045 has 5 MA's), (123, 8132), (164, 8261), (172, 8285), (191, 8348), (241, 8492), (256, 8543), (258, 8546), (295, 8657), (300, 8681), (301, 8684), (310, 8747), (313, 8756), (316, 8771), (352, 8888), (357, 8903), (368, 8963), (392, 9047), (476, 9275), (480, 9287), (507, 9335), (512, 9350), (523, 9389), (530, 9410), (540, 9449), (551, 9494), (556, 9506), (642, 9743), (665, 9770),

Gene: Orla_5 Start: 1093, Stop: 2793, Start Num: 100

Candidate Starts for Orla_5:

(37, 985), (Start: 100 @1093 has 9 MA's), (Start: 132 @1147 has 1 MA's), (141, 1168), (152, 1195), (191, 1306), (214, 1384), (230, 1417), (241, 1459), (243, 1468), (258, 1513), (259, 1516), (273, 1564), (292, 1612), (295, 1633), (302, 1663), (327, 1753), (349, 1843), (363, 1897), (384, 1972), (416, 2110), (424, 2125), (434, 2134), (457, 2170), (459, 2176), (473, 2242), (476, 2248), (510, 2326), (512, 2332), (538, 2419), (546, 2452), (567, 2509), (572, 2530), (591, 2557), (614, 2617), (629, 2686), (630, 2689), (641, 2719), (645, 2734), (666, 2779), (668, 2782),

Gene: Outis_25 Start: 12805, Stop: 14535, Start Num: 82

Candidate Starts for Outis_25:

(Start: 82 @12805 has 25 MA's), (Start: 86 @12811 has 6 MA's), (183, 13006), (184, 13012), (197, 13051), (202, 13081), (212, 13123), (253, 13300), (314, 13516), (322, 13543), (367, 13711), (371, 13723), (381, 13756), (408, 13834), (485, 14017), (496, 14050), (502, 14080), (520, 14131), (532, 14179), (558, 14254), (562, 14266), (576, 14302), (627, 14440), (636, 14470),

Gene: Ovechkin_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Ovechkin_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Ozzie_6 Start: 2400, Stop: 4028, Start Num: 68

Candidate Starts for Ozzie_6:

(Start: 53 @2382 has 92 MA's), (Start: 68 @2400 has 32 MA's), (180, 2604), (204, 2685), (248, 2820), (259, 2841), (292, 2928), (304, 3000), (310, 3024), (339, 3123), (357, 3177), (392, 3276), (407, 3336), (476, 3498), (479, 3507), (516, 3597), (523, 3624), (545, 3702), (546, 3705), (556, 3744), (567, 3765), (569, 3771), (573, 3789), (616, 3885), (630, 3945),

Gene: OzzyJ_7 Start: 2377, Stop: 4023, Start Num: 53

Candidate Starts for OzzyJ_7:

(Start: 53 @2377 has 92 MA's), (Start: 68 @2395 has 32 MA's), (Start: 142 @2527 has 2 MA's), (180, 2599), (191, 2635), (248, 2815), (259, 2836), (277, 2881), (292, 2923), (304, 2995), (310, 3019), (339, 3118), (344, 3133), (352, 3157), (354, 3163), (407, 3331), (470, 3481), (479, 3502), (507, 3565), (516, 3592), (546, 3700), (556, 3739), (567, 3760), (569, 3766), (573, 3784), (616, 3880), (630, 3940), (670, 4018),

Gene: P28Green_13 Start: 6956, Stop: 8656, Start Num: 57

Candidate Starts for P28Green_13:

(Start: 57 @6956 has 139 MA's), (Start: 89 @7004 has 4 MA's), (166, 7139), (230, 7331), (258, 7418), (310, 7616), (336, 7706), (356, 7769), (395, 7931), (470, 8129), (480, 8153), (481, 8156), (512, 8219), (519, 8240), (530, 8279), (556, 8375), (577, 8429), (598, 8465), (642, 8612), (666, 8642), (668, 8645),

Gene: PGHhamlin_15 Start: 6949, Stop: 8649, Start Num: 57

Candidate Starts for PGHhamlin_15:

(Start: 57 @6949 has 139 MA's), (Start: 89 @6997 has 4 MA's), (166, 7132), (230, 7324), (258, 7411), (310, 7609), (336, 7699), (356, 7762), (395, 7924), (470, 8122), (480, 8146), (481, 8149), (512, 8212), (519, 8233), (530, 8272), (556, 8368), (577, 8422), (598, 8458), (642, 8605), (666, 8635), (668, 8638),

Gene: PHappiness_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for PHappiness_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: PMC_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for PMC_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (578, 1982), (583, 1994), (597, 2021), (611, 2054), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: PP_21 Start: 12452, Stop: 14146, Start Num: 54

Candidate Starts for PP_21:

(Start: 53 @12449 has 92 MA's), (Start: 54 @12452 has 363 MA's), (Start: 95 @12509 has 23 MA's), (99, 12515), (139, 12581), (Start: 169 @12632 has 2 MA's), (176, 12653), (198, 12716), (246, 12875), (250, 12890), (256, 12899), (258, 12902), (262, 12917), (278, 12953), (295, 13010), (300, 13034), (307, 13082), (310, 13100), (346, 13223), (347, 13226), (357, 13256), (380, 13355), (403, 13442), (411, 13475), (438, 13529), (443, 13541), (469, 13613), (480, 13640), (488, 13658), (507, 13691), (515, 13715), (556, 13862), (573, 13907), (632, 14069), (642, 14099),

Gene: PSullivan_13 Start: 7479, Stop: 9167, Start Num: 54

Candidate Starts for PSullivan_13:

(Start: 54 @7479 has 363 MA's), (Start: 169 @7659 has 2 MA's), (198, 7743), (205, 7779), (212, 7806), (258, 7929), (295, 8037), (310, 8127), (316, 8151), (328, 8178), (338, 8226), (380, 8382), (395, 8442), (486, 8676), (490, 8688), (512, 8730), (519, 8751), (529, 8778), (556, 8886), (598, 8976), (627, 9081),

Gene: Pablito_6 Start: 2214, Stop: 3860, Start Num: 53

Candidate Starts for Pablito_6:

(43, 2193), (51, 2208), (Start: 53 @2214 has 92 MA's), (67, 2229), (Start: 142 @2364 has 2 MA's), (198, 2484), (204, 2517), (248, 2652), (259, 2673), (267, 2703), (277, 2718), (292, 2760), (304, 2832), (310, 2856), (339, 2955), (357, 3009), (407, 3168), (432, 3231), (470, 3318), (479, 3339), (507, 3402), (516, 3429), (551, 3564), (556, 3576), (567, 3597), (569, 3603), (573, 3621), (605, 3681), (630, 3777), (654, 3825), (670, 3855),

Gene: Pacc40_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Pacc40_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: PacerPaul_11 Start: 7247, Stop: 8935, Start Num: 54

Candidate Starts for PacerPaul_11:

(Start: 54 @7247 has 363 MA's), (Start: 169 @7427 has 2 MA's), (198, 7511), (205, 7547), (212, 7574), (258, 7697), (295, 7805), (310, 7895), (316, 7919), (338, 7994), (380, 8150), (395, 8210), (481, 8435), (486, 8444), (490, 8456), (512, 8498), (519, 8519), (529, 8546), (556, 8654), (598, 8744), (627, 8849),

Gene: PackMan_13 Start: 8109, Stop: 9896, Start Num: 55

Candidate Starts for PackMan_13:

(Start: 55 @8109 has 222 MA's), (Start: 68 @8124 has 32 MA's), (Start: 72 @8130 has 5 MA's), (139, 8241), (164, 8340), (212, 8502), (241, 8574), (258, 8628), (269, 8667), (295, 8739), (310, 8829), (316, 8853), (352, 8970), (357, 8985), (383, 9093), (402, 9168), (411, 9204), (429, 9264), (476, 9384), (484, 9405), (507, 9444), (523, 9498), (524, 9501), (530, 9519), (544, 9573), (551, 9603), (556, 9615), (598, 9705), (606, 9723), (642, 9852), (665, 9879), (666, 9882),

Gene: Paedore_6 Start: 2247, Stop: 3908, Start Num: 53

Candidate Starts for Paedore_6:

(Start: 53 @2247 has 92 MA's), (204, 2565), (239, 2658), (243, 2673), (248, 2700), (259, 2721), (292, 2808), (310, 2904), (319, 2937), (336, 2991), (346, 3024), (354, 3048), (368, 3117), (398, 3180), (399, 3186), (407, 3216), (412, 3234), (448, 3300), (469, 3363), (470, 3366), (476, 3378), (479, 3387), (482, 3396), (507, 3450), (516, 3477), (556, 3624), (567, 3645), (573, 3669), (605, 3729), (630, 3825), (670, 3903),

Gene: PainterBoy_13 Start: 7527, Stop: 9281, Start Num: 55

Candidate Starts for PainterBoy_13:

(Start: 55 @7527 has 222 MA's), (139, 7659), (164, 7758), (191, 7845), (212, 7920), (241, 7989), (256, 8040), (258, 8043), (295, 8151), (310, 8241), (316, 8265), (356, 8394), (357, 8397), (363, 8433), (439, 8673), (443, 8682), (470, 8757), (507, 8829), (512, 8844), (523, 8883), (530, 8904), (551, 8988), (556, 9000), (605, 9105), (627, 9195), (630, 9204), (642, 9237), (665, 9264), (666, 9267), (668, 9270), (669, 9273),

Gene: Palestino_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Palestino_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Panamaxus_12 Start: 7044, Stop: 8741, Start Num: 54

Candidate Starts for Panamaxus_12:

(Start: 54 @7044 has 363 MA's), (Start: 74 @7068 has 1 MA's), (198, 7314), (250, 7488), (258, 7500), (269, 7539), (278, 7551), (295, 7608), (300, 7632), (310, 7698), (313, 7707), (336, 7788), (346, 7821), (380, 7953), (386, 7965), (397, 8019), (403, 8040), (411, 8073), (438, 8127), (470, 8214), (480, 8238), (481, 8241), (484, 8247), (488, 8256), (512, 8304), (523, 8343), (524, 8346), (530, 8364), (556, 8460), (577, 8514), (632, 8667), (642, 8697), (666, 8727), (668, 8730),

Gene: Paolo_8 Start: 2800, Stop: 4446, Start Num: 53

Candidate Starts for Paolo_8:

(Start: 53 @2800 has 92 MA's), (Start: 142 @2950 has 2 MA's), (198, 3070), (201, 3094), (239, 3196), (248, 3238), (250, 3244), (259, 3259), (292, 3346), (304, 3418), (310, 3442), (339, 3541), (349, 3577), (357, 3595), (390, 3688), (398, 3718), (407, 3754), (432, 3817), (470, 3904), (479, 3925), (484, 3937), (516, 4015), (523, 4042), (546, 4123), (556, 4162), (567, 4183), (573, 4207), (605, 4267), (630, 4363),

Gene: Papez_13 Start: 8442, Stop: 10130, Start Num: 54

Candidate Starts for Papez_13:

(Start: 54 @8442 has 363 MA's), (Start: 169 @8622 has 2 MA's), (198, 8706), (205, 8742), (212, 8769), (258, 8892), (267, 8925), (295, 9000), (310, 9090), (316, 9114), (328, 9141), (338, 9189), (380, 9345), (395, 9405), (486, 9639), (490, 9651), (512, 9693), (519, 9714), (529, 9741), (556, 9849), (598, 9939), (627, 10044),

Gene: Paphu_10 Start: 6436, Stop: 8124, Start Num: 54

Candidate Starts for Paphu_10:

(Start: 54 @6436 has 363 MA's), (198, 6700), (201, 6724), (258, 6886), (267, 6919), (310, 7084), (316, 7108), (328, 7135), (338, 7183), (360, 7252), (380, 7339), (395, 7399), (486, 7633), (490, 7645), (512, 7687), (519, 7708), (529, 7735), (556, 7843), (598, 7933), (627, 8038),

Gene: Paraselene_10 Start: 6748, Stop: 8436, Start Num: 54

Candidate Starts for Paraselene_10:

(Start: 54 @6748 has 363 MA's), (Start: 169 @6928 has 2 MA's), (198, 7012), (205, 7048), (212, 7075), (258, 7198), (295, 7306), (310, 7396), (316, 7420), (328, 7447), (338, 7495), (380, 7651), (395, 7711), (481, 7936), (486, 7945), (490, 7957), (512, 7999), (519, 8020), (529, 8047), (556, 8155), (598, 8245), (627, 8350),

Gene: Pari_12 Start: 7215, Stop: 8903, Start Num: 54

Candidate Starts for Pari_12:

(Start: 54 @7215 has 363 MA's), (Start: 169 @7395 has 2 MA's), (198, 7479), (205, 7515), (212, 7542), (246, 7638), (258, 7665), (267, 7698), (295, 7773), (310, 7863), (316, 7887), (328, 7914), (338, 7962), (360, 8031), (380, 8118), (383, 8127), (395, 8178), (486, 8412), (490, 8424), (512, 8466), (519, 8487), (529, 8514), (556, 8622), (598, 8712), (627, 8817),

Gene: Parliament_10 Start: 6818, Stop: 8506, Start Num: 54

Candidate Starts for Parliament_10:

(Start: 54 @6818 has 363 MA's), (198, 7082), (201, 7106), (258, 7268), (267, 7301), (295, 7376), (310, 7466), (316, 7490), (328, 7517), (338, 7565), (376, 7709), (380, 7721), (395, 7781), (481, 8006), (486, 8015), (490, 8027), (512, 8069), (519, 8090), (529, 8117), (556, 8225), (598, 8315), (627, 8420),

Gene: Partridge_8 Start: 3215, Stop: 4897, Start Num: 57

Candidate Starts for Partridge_8:

(Start: 57 @3215 has 139 MA's), (Start: 169 @3401 has 2 MA's), (191, 3473), (198, 3485), (205, 3521), (262, 3689), (287, 3749), (310, 3857), (378, 4112), (397, 4184), (460, 4328), (470, 4370), (484, 4403), (512, 4460), (516, 4472), (556, 4616), (573, 4661), (605, 4721), (630, 4820), (642, 4853), (665, 4880), (666, 4883), (668, 4886),

Gene: PascalRango_10 Start: 6614, Stop: 8302, Start Num: 54

Candidate Starts for PascalRango_10:

(Start: 54 @6614 has 363 MA's), (198, 6878), (201, 6902), (258, 7064), (267, 7097), (295, 7172), (310, 7262), (316, 7286), (328, 7313), (338, 7361), (380, 7517), (395, 7577), (481, 7802), (486, 7811), (490, 7823), (512, 7865), (519, 7886), (529, 7913), (556, 8021), (598, 8111), (627, 8216),

Gene: Patio_27 Start: 13048, Stop: 14727, Start Num: 84

Candidate Starts for Patio_27:

(Start: 84 @13048 has 10 MA's), (167, 13198), (184, 13255), (192, 13282), (197, 13294), (205, 13333), (212, 13366), (314, 13708), (322, 13735), (367, 13903), (371, 13915), (381, 13948), (408, 14026), (458, 14128), (496, 14242), (520, 14323), (523, 14338), (537, 14380), (558, 14446), (562, 14458), (576, 14494), (595, 14521), (618, 14590), (619, 14593), (636, 14662),

Gene: PattyP_13 Start: 7272, Stop: 8960, Start Num: 61

Candidate Starts for PattyP_13:

(Start: 61 @7272 has 24 MA's), (166, 7443), (Start: 169 @7452 has 2 MA's), (198, 7536), (202, 7563), (205, 7572), (258, 7722), (267, 7755), (295, 7830), (310, 7920), (316, 7944), (328, 7971), (338, 8019), (380, 8175), (395, 8235), (481, 8460), (486, 8469), (490, 8481), (512, 8523), (519, 8544), (529, 8571), (556, 8679), (598, 8769), (627, 8874),

Gene: Pavo_7 Start: 2498, Stop: 4144, Start Num: 53

Candidate Starts for Pavo_7:

(Start: 50 @2489 has 1 MA's), (Start: 53 @2498 has 92 MA's), (Start: 54 @2501 has 363 MA's), (Start: 68 @2516 has 32 MA's), (180, 2720), (191, 2756), (204, 2801), (239, 2894), (243, 2909), (248, 2936), (252, 2945), (259, 2957), (292, 3044), (301, 3092), (310, 3140), (339, 3239), (352, 3278), (392, 3392), (397, 3413), (407, 3452), (446, 3533), (470, 3602), (473, 3608), (479, 3623), (507, 3686), (545, 3818), (556, 3860), (569, 3887), (573, 3905), (599, 3953), (630, 4061),

Gene: Pawn_13 Start: 7029, Stop: 8729, Start Num: 57

Candidate Starts for Pawn_13:

(Start: 57 @7029 has 139 MA's), (Start: 89 @7077 has 4 MA's), (Start: 132 @7149 has 1 MA's), (166, 7212), (258, 7491), (310, 7689), (336, 7779), (356, 7842), (395, 8004), (470, 8202), (480, 8226), (481, 8229), (512, 8292), (516, 8304), (519, 8313), (523, 8331), (530, 8352), (556, 8448), (577, 8502), (598, 8538), (642, 8685), (666, 8715), (668, 8718),

Gene: Payneful_11 Start: 6561, Stop: 8249, Start Num: 54

Candidate Starts for Payneful_11:

(Start: 54 @6561 has 363 MA's), (198, 6825), (201, 6849), (258, 7011), (267, 7044), (295, 7119), (310, 7209), (316, 7233), (338, 7308), (380, 7464), (383, 7473), (394, 7521), (395, 7524), (481, 7749), (486, 7758), (490, 7770), (512, 7812), (519, 7833), (529, 7860), (556, 7968), (598, 8058), (627, 8163),

Gene: PeaceMeal1_10 Start: 4783, Stop: 6474, Start Num: 54

Candidate Starts for PeaceMeal1_10:

(Start: 54 @4783 has 363 MA's), (Start: 74 @4807 has 1 MA's), (Start: 142 @4930 has 2 MA's), (176, 4999), (191, 5050), (198, 5062), (207, 5104), (212, 5125), (243, 5203), (258, 5248), (269, 5287), (292, 5335), (295, 5356), (300, 5380), (310, 5431), (346, 5554), (387, 5701), (399, 5761), (411, 5806), (470, 5947), (493, 6001), (512, 6037), (523, 6076), (530, 6097), (556, 6193), (583, 6262), (642, 6430), (666, 6460), (668, 6463),

Gene: Peaches_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Peaches_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Pelly_12 Start: 7447, Stop: 9135, Start Num: 54

Candidate Starts for Pelly_12:

(Start: 54 @7447 has 363 MA's), (Start: 169 @7627 has 2 MA's), (198, 7711), (205, 7747), (212, 7774), (258, 7897), (295, 8005), (310, 8095), (316, 8119), (328, 8146), (360, 8263), (376, 8338), (380, 8350), (395, 8410), (486, 8644), (490, 8656), (512, 8698), (519, 8719), (529, 8746), (556, 8854), (598, 8944), (627, 9049),

Gene: Pembroke_13 Start: 6958, Stop: 8658, Start Num: 57

Candidate Starts for Pembroke_13:

(Start: 57 @6958 has 139 MA's), (Start: 89 @7006 has 4 MA's), (166, 7141), (230, 7333), (258, 7420), (310, 7618), (336, 7708), (356, 7771), (395, 7933), (470, 8131), (480, 8155), (481, 8158), (512, 8221), (519, 8242), (530, 8281), (556, 8377), (577, 8431), (598, 8467), (642, 8614), (666, 8644), (668, 8647),

Gene: Penny1_13 Start: 6957, Stop: 8657, Start Num: 57

Candidate Starts for Penny1_13:

(Start: 57 @6957 has 139 MA's), (Start: 89 @7005 has 4 MA's), (166, 7140), (230, 7332), (258, 7419), (310, 7617), (336, 7707), (356, 7770), (395, 7932), (470, 8130), (480, 8154), (481, 8157), (512, 8220),

(519, 8241), (530, 8280), (556, 8376), (577, 8430), (598, 8466), (642, 8613), (666, 8643), (668, 8646),

Gene: Pepe_12 Start: 7470, Stop: 9158, Start Num: 54

Candidate Starts for Pepe_12:

(Start: 54 @7470 has 363 MA's), (198, 7734), (201, 7758), (258, 7920), (267, 7953), (295, 8028), (310, 8118), (316, 8142), (328, 8169), (338, 8217), (376, 8361), (380, 8373), (395, 8433), (481, 8658), (486, 8667), (490, 8679), (512, 8721), (519, 8742), (529, 8769), (556, 8877), (598, 8967), (627, 9072),

Gene: Percival_2 Start: 640, Stop: 2388, Start Num: 68

Candidate Starts for Percival_2:

(Start: 68 @640 has 32 MA's), (Start: 88 @658 has 156 MA's), (235, 1000), (248, 1051), (258, 1069), (289, 1162), (302, 1219), (412, 1642), (470, 1804), (473, 1810), (537, 1984), (556, 2059), (563, 2074), (588, 2155), (624, 2278), (630, 2299), (634, 2311),

Gene: Perplexer_11 Start: 6887, Stop: 8584, Start Num: 54

Candidate Starts for Perplexer_11:

(Start: 54 @6887 has 363 MA's), (Start: 74 @6911 has 1 MA's), (198, 7157), (256, 7340), (258, 7343), (269, 7382), (295, 7451), (300, 7475), (310, 7541), (336, 7631), (380, 7796), (403, 7883), (458, 8009), (470, 8057), (480, 8081), (512, 8147), (523, 8186), (530, 8207), (556, 8303), (641, 8537), (642, 8540), (666, 8570), (668, 8573),

Gene: Perseus_12 Start: 7131, Stop: 8819, Start Num: 54

Candidate Starts for Perseus_12:

(Start: 54 @7131 has 363 MA's), (Start: 169 @7311 has 2 MA's), (198, 7395), (205, 7431), (258, 7581), (295, 7689), (310, 7779), (316, 7803), (338, 7878), (360, 7947), (380, 8034), (395, 8094), (486, 8328), (490, 8340), (512, 8382), (519, 8403), (529, 8430), (556, 8538), (598, 8628), (627, 8733),

Gene: Persistence_2 Start: 689, Stop: 2329, Start Num: 137

Candidate Starts for Persistence_2:

(Start: 86 @596 has 6 MA's), (Start: 137 @689 has 2 MA's), (138, 692), (180, 782), (184, 806), (194, 842), (195, 845), (210, 905), (233, 1013), (258, 1100), (289, 1187), (308, 1277), (319, 1319), (329, 1340), (337, 1376), (388, 1511), (390, 1517), (400, 1556), (416, 1625), (460, 1691), (462, 1703), (475, 1739), (494, 1787), (506, 1823), (523, 1880), (524, 1883), (534, 1943), (551, 2027), (606, 2153), (627, 2234), (640, 2276), (656, 2315),

Gene: PeterPeter_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for PeterPeter_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Petersenfast_11 Start: 8027, Stop: 9790, Start Num: 55

Candidate Starts for Petersenfast_11:

(Start: 55 @8027 has 222 MA's), (Start: 72 @8048 has 5 MA's), (123, 8135), (164, 8264), (172, 8288), (191, 8351), (241, 8495), (256, 8546), (258, 8549), (295, 8660), (300, 8684), (301, 8687), (310, 8750), (313, 8759), (316, 8774), (352, 8891), (357, 8906), (368, 8966), (392, 9050), (476, 9278), (480, 9290), (507, 9338), (512, 9353), (523, 9392), (530, 9413), (540, 9452), (551, 9497), (556, 9509), (642, 9746), (665, 9773),

Gene: Peterson_14 Start: 8430, Stop: 10118, Start Num: 54

Candidate Starts for Peterson_14:

(Start: 54 @8430 has 363 MA's), (198, 8694), (201, 8718), (246, 8853), (258, 8880), (267, 8913), (295, 8988), (310, 9078), (316, 9102), (328, 9129), (338, 9177), (380, 9333), (395, 9393), (481, 9618), (486, 9627), (490, 9639), (512, 9681), (519, 9702), (529, 9729), (556, 9837), (598, 9927), (627, 10032),

Gene: PetiteSangusue_11 Start: 6893, Stop: 8590, Start Num: 54

Candidate Starts for PetiteSangusue_11:

(Start: 54 @6893 has 363 MA's), (Start: 74 @6917 has 1 MA's), (198, 7163), (256, 7346), (258, 7349), (269, 7388), (295, 7457), (300, 7481), (310, 7547), (336, 7637), (380, 7802), (403, 7889), (458, 8015), (470, 8063), (480, 8087), (507, 8138), (512, 8153), (523, 8192), (530, 8213), (556, 8309), (641, 8543), (642, 8546), (666, 8576), (668, 8579),

Gene: Petruccio_11 Start: 6689, Stop: 8377, Start Num: 54

Candidate Starts for Petruccio_11:

(Start: 54 @6689 has 363 MA's), (Start: 169 @6869 has 2 MA's), (198, 6953), (205, 6989), (212, 7016), (258, 7139), (267, 7172), (295, 7247), (310, 7337), (316, 7361), (328, 7388), (338, 7436), (376, 7580), (380, 7592), (395, 7652), (481, 7877), (486, 7886), (490, 7898), (512, 7940), (519, 7961), (529, 7988), (556, 8096), (598, 8186), (627, 8291),

Gene: PetterN_10 Start: 5984, Stop: 7735, Start Num: 32

Candidate Starts for PetterN_10:

(Start: 29 @5957 has 19 MA's), (Start: 32 @5984 has 30 MA's), (58, 6044), (66, 6053), (Start: 90 @6092 has 1 MA's), (135, 6167), (139, 6173), (191, 6305), (212, 6380), (214, 6383), (279, 6557), (310, 6689), (324, 6734), (344, 6812), (346, 6818), (388, 6983), (397, 7016), (403, 7037), (470, 7211), (480, 7235), (523, 7337), (530, 7358), (544, 7412), (551, 7442), (556, 7454), (577, 7508), (641, 7688), (642, 7691), (668, 7724), (670, 7730),

Gene: Ph8s_13 Start: 6262, Stop: 8046, Start Num: 55

Candidate Starts for Ph8s_13:

(Start: 55 @6262 has 222 MA's), (164, 6493), (191, 6580), (243, 6733), (256, 6775), (258, 6778), (295, 6889), (300, 6913), (301, 6916), (310, 6979), (316, 7003), (357, 7135), (523, 7648), (530, 7669), (551, 7753), (556, 7765), (599, 7858), (606, 7873), (642, 8002), (665, 8029), (666, 8032),

Gene: Phacado_11 Start: 6883, Stop: 8580, Start Num: 54

Candidate Starts for Phacado_11:

(Start: 54 @6883 has 363 MA's), (Start: 74 @6907 has 1 MA's), (Start: 142 @7030 has 2 MA's), (185, 7120), (198, 7153), (230, 7252), (256, 7336), (258, 7339), (269, 7378), (295, 7447), (300, 7471), (310, 7537), (336, 7627), (380, 7792), (403, 7879), (411, 7912), (443, 7978), (469, 8050), (470, 8053), (480, 8077), (507, 8128), (512, 8143), (523, 8182), (530, 8203), (556, 8299), (642, 8536), (666, 8566), (668, 8569),

Gene: Phaded_15 Start: 9549, Stop: 11327, Start Num: 55

Candidate Starts for Phaded_15:

(Start: 55 @9549 has 222 MA's), (Start: 72 @9567 has 5 MA's), (139, 9678), (Start: 142 @9690 has 2 MA's), (154, 9732), (157, 9744), (158, 9753), (164, 9777), (191, 9864), (256, 10059), (258, 10062), (269, 10101), (295, 10170), (310, 10260), (316, 10284), (346, 10383), (357, 10416), (439, 10716), (470, 10803), (516, 10902), (523, 10929), (530, 10950), (556, 11046), (642, 11283), (665, 11310), (666, 11313),

Gene: Phaeder_13 Start: 8124, Stop: 9896, Start Num: 68

Candidate Starts for Phaeder_13:

(Start: 55 @8109 has 222 MA's), (Start: 68 @8124 has 32 MA's), (Start: 72 @8130 has 5 MA's), (139, 8241), (164, 8340), (212, 8502), (241, 8574), (258, 8628), (269, 8667), (295, 8739), (310, 8829), (316, 8853), (352, 8970), (357, 8985), (383, 9093), (402, 9168), (411, 9204), (429, 9264), (476, 9384), (484,

9405), (507, 9444), (523, 9498), (524, 9501), (530, 9519), (544, 9573), (551, 9603), (556, 9615), (598, 9705), (606, 9723), (642, 9852), (665, 9879), (666, 9882),

Gene: PhailMary_7 Start: 3222, Stop: 4904, Start Num: 57

Candidate Starts for PhailMary_7:

(Start: 57 @3222 has 139 MA's), (Start: 169 @3408 has 2 MA's), (191, 3480), (198, 3492), (201, 3516), (205, 3528), (258, 3681), (262, 3696), (287, 3756), (310, 3864), (328, 3921), (378, 4119), (386, 4137), (397, 4191), (460, 4335), (470, 4377), (484, 4410), (512, 4467), (516, 4479), (556, 4623), (573, 4668), (605, 4728), (630, 4827), (642, 4860), (665, 4887), (666, 4890), (668, 4893),

Gene: Phalconet_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Phalconet_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Phanphagia_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Phanphagia_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Phantastic_11 Start: 6458, Stop: 8155, Start Num: 54

Candidate Starts for Phantastic_11:

(Start: 54 @6458 has 363 MA's), (102, 6530), (198, 6728), (212, 6791), (250, 6902), (258, 6914), (269, 6953), (278, 6965), (295, 7022), (300, 7046), (305, 7076), (310, 7112), (313, 7121), (336, 7202), (344, 7229), (380, 7367), (397, 7433), (403, 7454), (411, 7487), (443, 7553), (470, 7628), (480, 7652), (481, 7655), (484, 7661), (488, 7670), (512, 7718), (523, 7757), (530, 7778), (556, 7874), (577, 7928), (632, 8081), (642, 8111), (666, 8141), (668, 8144),

Gene: Pharaoh_12 Start: 7906, Stop: 9693, Start Num: 55

Candidate Starts for Pharaoh_12:

(Start: 55 @7906 has 222 MA's), (Start: 72 @7927 has 5 MA's), (133, 8029), (139, 8038), (164, 8137), (174, 8167), (175, 8170), (243, 8380), (258, 8425), (269, 8464), (295, 8536), (300, 8560), (310, 8626), (316, 8650), (346, 8749), (352, 8767), (357, 8782), (448, 9097), (470, 9169), (507, 9241), (516, 9268), (523, 9295), (524, 9298), (530, 9316), (556, 9412), (641, 9646), (642, 9649), (665, 9676), (666, 9679), (668, 9682),

Gene: Phasih_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Phasih_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977),

(251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Phatniss_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Phatniss_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (174, 737), (184, 758), (208, 845), (209, 851), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Phelipe_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Phelipe_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: PherrisBueller_12 Start: 6899, Stop: 8587, Start Num: 54

Candidate Starts for PherrisBueller_12:

(Start: 54 @6899 has 363 MA's), (Start: 169 @7079 has 2 MA's), (198, 7163), (205, 7199), (258, 7349), (295, 7457), (310, 7547), (316, 7571), (328, 7598), (338, 7646), (380, 7802), (395, 7862), (486, 8096), (490, 8108), (512, 8150), (519, 8171), (529, 8198), (556, 8306), (598, 8396), (627, 8501),

Gene: PhesterPhotato_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for PhesterPhotato_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Phettuccine_6 Start: 2402, Stop: 4048, Start Num: 53

Candidate Starts for Phettuccine_6:

(Start: 53 @2402 has 92 MA's), (Start: 68 @2420 has 32 MA's), (180, 2624), (204, 2705), (248, 2840), (259, 2861), (292, 2948), (304, 3020), (310, 3044), (339, 3143), (357, 3197), (392, 3296), (407, 3356), (476, 3518), (479, 3527), (516, 3617), (523, 3644), (545, 3722), (546, 3725), (556, 3764), (567, 3785), (569, 3791), (573, 3809), (616, 3905), (630, 3965),

Gene: Phighter1804_11 Start: 6860, Stop: 8557, Start Num: 54

Candidate Starts for Phighter1804_11:

(Start: 54 @6860 has 363 MA's), (Start: 74 @6884 has 1 MA's), (Start: 142 @7007 has 2 MA's), (185, 7097), (198, 7130), (230, 7229), (256, 7313), (258, 7316), (269, 7355), (295, 7424), (300, 7448), (310,

7514), (336, 7604), (380, 7769), (403, 7856), (411, 7889), (443, 7955), (469, 8027), (470, 8030), (480, 8054), (507, 8105), (512, 8120), (523, 8159), (530, 8180), (556, 8276), (642, 8513), (666, 8543), (668, 8546),

Gene: Phillis_9 Start: 5664, Stop: 7418, Start Num: 32

Candidate Starts for Phillis_9:

(Start: 32 @5664 has 30 MA's), (49, 5706), (73, 5745), (139, 5853), (212, 6060), (243, 6138), (287, 6261), (294, 6288), (310, 6369), (346, 6498), (388, 6663), (397, 6696), (446, 6816), (469, 6888), (470, 6891), (519, 7002), (530, 7041), (556, 7137), (605, 7242), (630, 7341), (642, 7374), (668, 7407), (670, 7413),

Gene: Philus_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Philus_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (143, 674), (168, 719), (184, 758), (208, 845), (209, 851), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: PhinkBoden_30 Start: 9066, Stop: 10814, Start Num: 95

Candidate Starts for PhinkBoden_30:

(Start: 95 @9066 has 23 MA's), (112, 9096), (177, 9225), (225, 9411), (233, 9450), (242, 9474), (247, 9504), (256, 9522), (264, 9549), (274, 9579), (327, 9771), (330, 9789), (370, 9951), (393, 9999), (398, 10014), (457, 10197), (459, 10203), (480, 10287), (515, 10374), (524, 10407), (555, 10521), (569, 10557), (577, 10581), (586, 10596), (646, 10770), (653, 10776),

Gene: PhishRPhriends_12 Start: 6220, Stop: 7920, Start Num: 57

Candidate Starts for PhishRPhriends_12:

(Start: 57 @6220 has 139 MA's), (Start: 89 @6268 has 4 MA's), (Start: 132 @6340 has 1 MA's), (166, 6403), (258, 6682), (310, 6880), (336, 6970), (356, 7033), (395, 7195), (470, 7393), (480, 7417), (481, 7420), (512, 7483), (516, 7495), (519, 7504), (523, 7522), (530, 7543), (556, 7639), (577, 7693), (598, 7729), (642, 7876), (666, 7906), (668, 7909),

Gene: Phives_3 Start: 1606, Stop: 3312, Start Num: 75

Candidate Starts for Phives_3:

(Start: 75 @1606 has 41 MA's), (258, 2035), (274, 2083), (302, 2173), (333, 2305), (346, 2347), (425, 2599), (470, 2722), (546, 2941), (556, 2977), (563, 2992), (605, 3127), (630, 3223), (634, 3235),

Gene: Phlei_8 Start: 7957, Stop: 9663, Start Num: 90

Candidate Starts for Phlei_8:

(Start: 55 @7912 has 222 MA's), (Start: 90 @7957 has 1 MA's), (161, 8119), (164, 8137), (180, 8188), (198, 8236), (212, 8299), (241, 8368), (243, 8377), (258, 8422), (295, 8533), (300, 8557), (301, 8560), (310, 8623), (313, 8632), (316, 8647), (338, 8722), (357, 8779), (363, 8815), (368, 8839), (392, 8923), (403, 8965), (438, 9052), (443, 9064), (470, 9139), (476, 9151), (480, 9163), (481, 9166), (512, 9226), (523, 9265), (529, 9274), (530, 9286), (556, 9382), (583, 9451), (627, 9577), (630, 9586), (632, 9589), (642, 9619), (665, 9646), (666, 9649),

Gene: PhlipPhlop_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for PhlipPhlop_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Phlorence_9 Start: 6269, Stop: 8047, Start Num: 29

Candidate Starts for Phlorence_9:

(Start: 29 @6269 has 19 MA's), (Start: 32 @6296 has 30 MA's), (66, 6365), (Start: 90 @6404 has 1 MA's), (135, 6479), (139, 6485), (191, 6617), (212, 6692), (214, 6695), (262, 6830), (279, 6869), (287, 6893), (310, 7001), (324, 7046), (344, 7124), (346, 7130), (388, 7295), (397, 7328), (403, 7349), (470, 7523), (480, 7547), (481, 7550), (512, 7610), (516, 7622), (523, 7649), (530, 7670), (551, 7754), (556, 7766), (642, 8003), (668, 8036), (670, 8042),

Gene: Phoebe_13 Start: 6955, Stop: 8655, Start Num: 57

Candidate Starts for Phoebe_13:

(Start: 57 @6955 has 139 MA's), (Start: 89 @7003 has 4 MA's), (166, 7138), (230, 7330), (258, 7417), (310, 7615), (336, 7705), (356, 7768), (395, 7930), (470, 8128), (480, 8152), (481, 8155), (512, 8218), (519, 8239), (530, 8278), (556, 8374), (577, 8428), (598, 8464), (642, 8611), (666, 8641), (668, 8644),

Gene: Phomeo_23 Start: 12804, Stop: 14531, Start Num: 81

Candidate Starts for Phomeo_23:

(9, 12570), (30, 12699), (Start: 81 @12804 has 11 MA's), (167, 12954), (183, 13005), (184, 13011), (197, 13050), (202, 13080), (209, 13104), (212, 13122), (219, 13149), (228, 13212), (233, 13230), (314, 13515), (322, 13542), (345, 13626), (367, 13710), (371, 13722), (381, 13755), (408, 13833), (444, 13911), (470, 13983), (485, 14016), (502, 14079), (512, 14106), (520, 14130), (529, 14154), (558, 14253), (576, 14301), (627, 14439), (636, 14469), (669, 14523),

Gene: Phonnegut_13 Start: 8163, Stop: 9929, Start Num: 72

Candidate Starts for Phonnegut_13:

(Start: 55 @8142 has 222 MA's), (Start: 68 @8157 has 32 MA's), (Start: 72 @8163 has 5 MA's), (139, 8274), (164, 8373), (212, 8535), (241, 8607), (258, 8661), (269, 8700), (295, 8772), (310, 8862), (316, 8886), (352, 9003), (357, 9018), (383, 9126), (402, 9201), (411, 9237), (429, 9297), (476, 9417), (484, 9438), (507, 9477), (523, 9531), (524, 9534), (530, 9552), (544, 9606), (551, 9636), (556, 9648), (598, 9738), (606, 9756), (642, 9885), (665, 9912), (666, 9915),

Gene: Phontbonne_11 Start: 6828, Stop: 8525, Start Num: 54

Candidate Starts for Phontbonne_11:

(13, 6651), (17, 6669), (Start: 20 @6699 has 1 MA's), (Start: 54 @6828 has 363 MA's), (Start: 74 @6852 has 1 MA's), (Start: 142 @6975 has 2 MA's), (185, 7065), (198, 7098), (230, 7197), (256, 7281), (258, 7284), (269, 7323), (295, 7392), (300, 7416), (310, 7482), (336, 7572), (380, 7737), (403, 7824), (411, 7857), (443, 7923), (469, 7995), (470, 7998), (480, 8022), (507, 8073), (512, 8088), (523, 8127), (530, 8148), (556, 8244), (642, 8481), (666, 8511), (668, 8514),

Gene: Phoxy_13 Start: 7041, Stop: 8741, Start Num: 57

Candidate Starts for Phoxy_13:

(Start: 57 @7041 has 139 MA's), (Start: 89 @7089 has 4 MA's), (166, 7224), (230, 7416), (258, 7503), (310, 7701), (336, 7791), (356, 7854), (395, 8016), (470, 8214), (480, 8238), (481, 8241), (512, 8304), (519, 8325), (530, 8364), (556, 8460), (577, 8514), (598, 8550), (642, 8697), (666, 8727), (668, 8730),

Gene: Phrank15_2 Start: 597, Stop: 2330, Start Num: 86

Candidate Starts for Phrank15_2:

(Start: 86 @597 has 6 MA's), (Start: 137 @690 has 2 MA's), (138, 693), (180, 783), (184, 807), (194, 843), (195, 846), (210, 906), (233, 1014), (258, 1101), (263, 1119), (289, 1188), (308, 1278), (316, 1311), (319, 1320), (329, 1341), (337, 1377), (388, 1512), (390, 1518), (400, 1557), (416, 1626), (460, 1692), (462, 1704), (475, 1740), (494, 1788), (506, 1824), (523, 1881), (534, 1944), (551, 2028), (561, 2052), (577, 2094), (605, 2151), (606, 2154), (610, 2166), (627, 2235), (640, 2277), (650, 2304), (656, 2316),

Gene: Phrankenstein_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Phrankenstein_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (469, 4308), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Phranny_14 Start: 7027, Stop: 8727, Start Num: 57

Candidate Starts for Phranny_14:

(Start: 57 @7027 has 139 MA's), (Start: 89 @7075 has 4 MA's), (166, 7210), (258, 7489), (310, 7687), (336, 7777), (356, 7840), (395, 8002), (470, 8200), (480, 8224), (481, 8227), (512, 8290), (516, 8302), (519, 8311), (523, 8329), (530, 8350), (556, 8446), (577, 8500), (598, 8536), (642, 8683), (666, 8713), (668, 8716),

Gene: PhrostyMug_11 Start: 7045, Stop: 8733, Start Num: 54

Candidate Starts for PhrostyMug_11:

(Start: 54 @7045 has 363 MA's), (198, 7309), (201, 7333), (258, 7495), (267, 7528), (295, 7603), (310, 7693), (316, 7717), (328, 7744), (338, 7792), (380, 7948), (395, 8008), (481, 8233), (486, 8242), (490, 8254), (512, 8296), (519, 8317), (529, 8344), (556, 8452), (598, 8542), (627, 8647),

Gene: PickleBack_9 Start: 5979, Stop: 7757, Start Num: 29

Candidate Starts for PickleBack_9:

(Start: 29 @5979 has 19 MA's), (Start: 32 @6006 has 30 MA's), (66, 6075), (Start: 90 @6114 has 1 MA's), (135, 6189), (139, 6195), (191, 6327), (212, 6402), (214, 6405), (262, 6540), (279, 6579), (287, 6603), (310, 6711), (324, 6756), (344, 6834), (346, 6840), (388, 7005), (397, 7038), (403, 7059), (470, 7233), (480, 7257), (481, 7260), (512, 7320), (516, 7332), (523, 7359), (530, 7380), (551, 7464), (556, 7476), (642, 7713), (668, 7746), (670, 7752),

Gene: PinkPlastic_10 Start: 6814, Stop: 8502, Start Num: 54

Candidate Starts for PinkPlastic_10:

(Start: 54 @6814 has 363 MA's), (Start: 169 @6994 has 2 MA's), (198, 7078), (205, 7114), (212, 7141), (246, 7237), (258, 7264), (267, 7297), (295, 7372), (310, 7462), (316, 7486), (338, 7561), (360, 7630), (380, 7717), (383, 7726), (395, 7777), (486, 8011), (490, 8023), (512, 8065), (519, 8086), (529, 8113), (556, 8221), (598, 8311), (627, 8416),

Gene: Pinto_13 Start: 7121, Stop: 8809, Start Num: 54

Candidate Starts for Pinto_13:

(Start: 54 @7121 has 363 MA's), (198, 7385), (201, 7409), (258, 7571), (267, 7604), (295, 7679), (310, 7769), (316, 7793), (328, 7820), (338, 7868), (380, 8024), (395, 8084), (481, 8309), (486, 8318), (490, 8330), (512, 8372), (519, 8393), (529, 8420), (556, 8528), (598, 8618), (627, 8723),

Gene: Pioneer_13 Start: 8157, Stop: 9929, Start Num: 68

Candidate Starts for Pioneer_13:

(Start: 55 @8142 has 222 MA's), (Start: 68 @8157 has 32 MA's), (Start: 72 @8163 has 5 MA's), (139, 8274), (164, 8373), (212, 8535), (241, 8607), (258, 8661), (269, 8700), (295, 8772), (310, 8862), (316, 8886), (352, 9003), (357, 9018), (383, 9126), (402, 9201), (411, 9237), (429, 9297), (476, 9417), (484, 9438), (507, 9477), (523, 9531), (524, 9534), (530, 9552), (544, 9606), (551, 9636), (556, 9648), (598, 9738), (606, 9756), (642, 9885), (665, 9912), (666, 9915),

Gene: Pipcraft_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Pipcraft_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Pippin_13 Start: 7322, Stop: 9010, Start Num: 61

Candidate Starts for Pippin_13:

(Start: 61 @7322 has 24 MA's), (166, 7493), (Start: 169 @7502 has 2 MA's), (198, 7586), (202, 7613), (205, 7622), (258, 7772), (267, 7805), (295, 7880), (310, 7970), (316, 7994), (328, 8021), (338, 8069), (380, 8225), (395, 8285), (481, 8510), (486, 8519), (490, 8531), (512, 8573), (519, 8594), (529, 8621), (556, 8729), (598, 8819), (627, 8924),

Gene: Pippy_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Pippy_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Piro94_13 Start: 7941, Stop: 9728, Start Num: 55

Candidate Starts for Piro94_13:

(10, 7755), (27, 7857), (Start: 55 @7941 has 222 MA's), (123, 8049), (133, 8070), (164, 8178), (258, 8463), (295, 8571), (310, 8661), (316, 8685), (352, 8802), (357, 8817), (470, 9204), (523, 9330), (530, 9351), (551, 9435), (556, 9447), (642, 9684), (665, 9711), (666, 9714), (668, 9717), (669, 9720),

Gene: Pistachio_12 Start: 6043, Stop: 7740, Start Num: 54

Candidate Starts for Pistachio_12:

(Start: 54 @6043 has 363 MA's), (Start: 74 @6067 has 1 MA's), (102, 6115), (198, 6313), (212, 6376), (250, 6487), (258, 6499), (269, 6538), (278, 6550), (295, 6607), (300, 6631), (310, 6697), (313, 6706), (336, 6787), (344, 6814), (380, 6952), (403, 7039), (411, 7072), (443, 7138), (470, 7213), (480, 7237), (481, 7240), (484, 7246), (488, 7255), (507, 7288), (512, 7303), (530, 7363), (556, 7459), (573, 7504), (577, 7513), (632, 7666), (642, 7696), (666, 7726), (668, 7729),

Gene: Pita2_13 Start: 7479, Stop: 9167, Start Num: 54

Candidate Starts for Pita2_13:

(Start: 54 @7479 has 363 MA's), (Start: 169 @7659 has 2 MA's), (198, 7743), (205, 7779), (212, 7806), (258, 7929), (295, 8037), (310, 8127), (316, 8151), (328, 8178), (338, 8226), (380, 8382), (395, 8442), (486, 8676), (490, 8688), (512, 8730), (519, 8751), (529, 8778), (556, 8886), (598, 8976), (627, 9081),

Gene: Pixelle_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Pixelle_2:

(Start: 75 @533 has 41 MA's), (120, 599), (240, 905), (258, 962), (263, 983), (274, 1010), (302, 1100), (313, 1154), (327, 1199), (346, 1274), (425, 1526), (470, 1649), (537, 1829), (556, 1904), (563, 1919), (605, 2054), (616, 2090), (630, 2150), (634, 2162), (647, 2192),

Gene: Pleakley_33 Start: 12932, Stop: 14611, Start Num: 82

Candidate Starts for Pleakley_33:

(Start: 82 @12932 has 25 MA's), (Start: 86 @12938 has 6 MA's), (143, 13043), (184, 13142), (197, 13181), (202, 13211), (209, 13235), (260, 13391), (314, 13592), (328, 13637), (367, 13787), (371, 13799), (485, 14093), (496, 14126), (520, 14207), (558, 14330), (562, 14342), (595, 14405), (618, 14474), (627, 14516), (636, 14546), (661, 14588), (669, 14603),

Gene: Pmask_15 Start: 7523, Stop: 9277, Start Num: 55

Candidate Starts for Pmask_15:

(Start: 55 @7523 has 222 MA's), (164, 7754), (180, 7805), (191, 7841), (212, 7916), (258, 8039), (269, 8078), (295, 8147), (300, 8171), (301, 8174), (310, 8237), (316, 8261), (356, 8390), (357, 8393), (386, 8504), (438, 8666), (470, 8753), (476, 8765), (480, 8777), (507, 8825), (512, 8840), (523, 8879), (530, 8900), (551, 8984), (556, 8996), (642, 9233), (665, 9260), (666, 9263),

Gene: Pocahontas_12 Start: 7041, Stop: 8738, Start Num: 54

Candidate Starts for Pocahontas_12:

(Start: 54 @7041 has 363 MA's), (Start: 74 @7065 has 1 MA's), (198, 7311), (250, 7485), (258, 7497), (269, 7536), (278, 7548), (295, 7605), (300, 7629), (310, 7695), (313, 7704), (336, 7785), (346, 7818), (380, 7950), (386, 7962), (397, 8016), (403, 8037), (411, 8070), (438, 8124), (470, 8211), (480, 8235), (481, 8238), (484, 8244), (488, 8253), (512, 8301), (523, 8340), (524, 8343), (530, 8361), (556, 8457), (577, 8511), (632, 8664), (642, 8694), (666, 8724), (668, 8727),

Gene: Poenanya_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Poenanya_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Poise_35 Start: 10438, Stop: 12180, Start Num: 103

Candidate Starts for Poise_35:

(Start: 103 @10438 has 70 MA's), (166, 10555), (180, 10600), (195, 10666), (196, 10681), (201, 10714), (202, 10717), (207, 10732), (214, 10756), (216, 10759), (230, 10789), (236, 10810), (239, 10828), (242, 10837), (249, 10873), (258, 10888), (273, 10933), (292, 10975), (298, 11014), (302, 11026), (304, 11047), (317, 11098), (328, 11119), (390, 11341), (416, 11446), (419, 11455), (450, 11488), (459, 11509), (460, 11512), (465, 11539), (470, 11569), (476, 11581), (481, 11596), (486, 11605), (488, 11611), (506, 11653), (508, 11662), (514, 11677), (519, 11692), (537, 11752), (544, 11791), (552, 11824), (567, 11854), (568, 11857), (590, 11941), (605, 11995), (610, 12010), (619, 12037), (630, 12091), (665, 12163), (666, 12166),

Gene: Polka14_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Polka14_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163),

(306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Pollux_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for Pollux_2:

(Start: 57 @485 has 139 MA's), (140, 623), (149, 650), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (281, 1052), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (361, 1376), (363, 1382), (366, 1400), (371, 1415), (447, 1589), (460, 1616), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (560, 1961), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (666, 2270), (668, 2273),

Gene: Polo2Bam_2 Start: 652, Stop: 2208, Start Num: 134

Candidate Starts for Polo2Bam_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 121 @628 has 1 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (260, 997), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (577, 1963), (583, 1978), (597, 2005), (611, 2038), (618, 2065), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Polymorphads_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Polymorphads_11:

(13, 6707), (17, 6725), (Start: 20 @6755 has 1 MA's), (Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Polyphemus_14 Start: 7525, Stop: 9279, Start Num: 55

Candidate Starts for Polyphemus_14:

(Start: 55 @7525 has 222 MA's), (164, 7756), (180, 7807), (191, 7843), (212, 7918), (258, 8041), (269, 8080), (295, 8149), (300, 8173), (301, 8176), (310, 8239), (316, 8263), (356, 8392), (357, 8395), (386, 8506), (438, 8668), (470, 8755), (476, 8767), (480, 8779), (507, 8827), (512, 8842), (523, 8881), (530, 8902), (551, 8986), (556, 8998), (642, 9235), (665, 9262), (666, 9265),

Gene: Polyuki_28 Start: 14049, Stop: 15722, Start Num: 82

Candidate Starts for Polyuki_28:

(Start: 82 @14049 has 25 MA's), (167, 14193), (183, 14244), (197, 14289), (233, 14418), (241, 14439), (245, 14463), (255, 14490), (265, 14523), (289, 14589), (299, 14637), (314, 14700), (322, 14727), (367, 14895), (371, 14907), (408, 15018), (421, 15069), (471, 15168), (502, 15267), (507, 15279), (516, 15306), (520, 15318), (523, 15333), (544, 15408), (558, 15441), (571, 15474), (611, 15558), (616, 15579), (627, 15627), (663, 15702),

Gene: Pomar16_15 Start: 7416, Stop: 9203, Start Num: 55

Candidate Starts for Pomar16_15:

(16, 7257), (19, 7284), (36, 7380), (Start: 55 @7416 has 222 MA's), (123, 7524), (133, 7545), (155, 7611), (164, 7653), (191, 7740), (256, 7935), (258, 7938), (295, 8046), (310, 8136), (316, 8160), (346,

8259), (356, 8289), (357, 8292), (386, 8403), (439, 8592), (507, 8751), (512, 8766), (516, 8778), (523, 8805), (530, 8826), (551, 8910), (556, 8922), (598, 9012), (642, 9159), (665, 9186), (666, 9189),

Gene: Pons_4 Start: 897, Stop: 2573, Start Num: 103

Candidate Starts for Pons_4:

(Start: 103 @897 has 70 MA's), (Start: 132 @948 has 1 MA's), (141, 969), (167, 1014), (210, 1158), (235, 1221), (243, 1254), (252, 1290), (258, 1299), (259, 1302), (267, 1335), (273, 1350), (302, 1449), (304, 1470), (314, 1506), (319, 1527), (331, 1563), (349, 1629), (363, 1683), (409, 1863), (416, 1896), (459, 1962), (460, 1965), (473, 2028), (476, 2034), (537, 2199), (544, 2232), (569, 2301), (570, 2307), (605, 2379), (606, 2382), (629, 2472), (632, 2478), (637, 2499), (666, 2559), (668, 2562),

Gene: Poompha_10 Start: 4781, Stop: 6472, Start Num: 54

Candidate Starts for Poompha_10:

(Start: 54 @4781 has 363 MA's), (Start: 74 @4805 has 1 MA's), (176, 4997), (191, 5048), (198, 5060), (212, 5123), (243, 5201), (258, 5246), (269, 5285), (292, 5333), (295, 5354), (300, 5378), (310, 5429), (346, 5552), (387, 5699), (399, 5759), (411, 5804), (470, 5945), (493, 5999), (512, 6035), (523, 6074), (530, 6095), (556, 6191), (583, 6260), (642, 6428), (666, 6458), (668, 6461),

Gene: PopTart_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for PopTart_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Popcicle_12 Start: 7041, Stop: 8738, Start Num: 54

Candidate Starts for Popcicle_12:

(Start: 54 @7041 has 363 MA's), (Start: 74 @7065 has 1 MA's), (198, 7311), (250, 7485), (258, 7497), (269, 7536), (278, 7548), (295, 7605), (300, 7629), (310, 7695), (313, 7704), (336, 7785), (346, 7818), (380, 7950), (386, 7962), (397, 8016), (403, 8037), (411, 8070), (438, 8124), (470, 8211), (480, 8235), (481, 8238), (484, 8244), (488, 8253), (512, 8301), (523, 8340), (524, 8343), (530, 8361), (556, 8457), (577, 8511), (632, 8664), (642, 8694), (666, 8724), (668, 8727),

Gene: Posh_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for Posh_2:

(Start: 57 @485 has 139 MA's), (140, 623), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (291, 1076), (302, 1130), (303, 1148), (310, 1175), (332, 1259), (347, 1310), (351, 1331), (370, 1412), (403, 1490), (460, 1616), (476, 1670), (481, 1685), (484, 1691), (488, 1700), (512, 1757), (516, 1769), (546, 1907), (551, 1943), (556, 1955), (560, 1961), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (641, 2225), (649, 2240), (666, 2270), (668, 2273),

Gene: PotPie_4 Start: 1762, Stop: 3438, Start Num: 103

Candidate Starts for PotPie_4:

(Start: 103 @1762 has 70 MA's), (Start: 132 @1813 has 1 MA's), (141, 1834), (167, 1879), (180, 1921), (191, 1957), (210, 2023), (235, 2086), (243, 2119), (252, 2155), (258, 2164), (259, 2167), (273, 2215), (279, 2227), (302, 2314), (349, 2494), (363, 2548), (409, 2728), (416, 2761), (459, 2827), (473, 2893), (476, 2899), (512, 2983), (537, 3064), (544, 3097), (569, 3166), (605, 3244), (632, 3343), (637, 3364), (641, 3370), (666, 3424), (668, 3427),

Gene: PotatoSplit_14 Start: 6957, Stop: 8657, Start Num: 57

Candidate Starts for PotatoSplit_14:

(Start: 57 @6957 has 139 MA's), (Start: 89 @7005 has 4 MA's), (166, 7140), (230, 7332), (258, 7419), (310, 7617), (336, 7707), (356, 7770), (395, 7932), (470, 8130), (480, 8154), (481, 8157), (512, 8220), (519, 8241), (530, 8280), (556, 8376), (577, 8430), (598, 8466), (642, 8613), (666, 8643), (668, 8646),

Gene: Poushou_3 Start: 1236, Stop: 2873, Start Num: 89

Candidate Starts for Poushou_3:

(Start: 89 @1236 has 4 MA's), (104, 1260), (144, 1338), (176, 1404), (205, 1503), (210, 1521), (212, 1530), (216, 1536), (233, 1584), (235, 1590), (239, 1599), (248, 1641), (250, 1647), (252, 1650), (258, 1659), (284, 1737), (310, 1854), (314, 1866), (315, 1869), (316, 1878), (336, 1941), (357, 2013), (363, 2046), (394, 2124), (433, 2235), (460, 2280), (510, 2412), (512, 2418), (549, 2550), (556, 2589), (598, 2679), (609, 2706), (629, 2787), (634, 2802), (635, 2805), (637, 2814), (668, 2862),

Gene: Power_12 Start: 7386, Stop: 9173, Start Num: 55

Candidate Starts for Power_12:

(Start: 55 @7386 has 222 MA's), (123, 7494), (133, 7515), (164, 7623), (172, 7647), (205, 7758), (212, 7785), (256, 7905), (258, 7908), (295, 8016), (310, 8106), (316, 8130), (352, 8247), (357, 8262), (439, 8562), (516, 8748), (523, 8775), (530, 8796), (556, 8892), (642, 9129), (665, 9156), (666, 9159),

Gene: Powerpuff_2 Start: 533, Stop: 2290, Start Num: 75

Candidate Starts for Powerpuff_2:

(6, 242), (8, 251), (Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1700), (556, 1955), (563, 1970), (583, 2024), (605, 2105), (626, 2189), (634, 2213),

Gene: Priamo_15 Start: 7551, Stop: 9305, Start Num: 55

Candidate Starts for Priamo_15:

(Start: 55 @7551 has 222 MA's), (164, 7782), (180, 7833), (191, 7869), (212, 7944), (258, 8067), (269, 8106), (295, 8175), (300, 8199), (301, 8202), (310, 8265), (316, 8289), (346, 8388), (347, 8391), (356, 8418), (357, 8421), (443, 8706), (476, 8793), (480, 8805), (512, 8868), (523, 8907), (530, 8928), (551, 9012), (556, 9024), (642, 9261), (665, 9288), (666, 9291),

Gene: Prinash11_10 Start: 6156, Stop: 7907, Start Num: 32

Candidate Starts for Prinash11_10:

(Start: 29 @6129 has 19 MA's), (Start: 32 @6156 has 30 MA's), (66, 6225), (135, 6339), (139, 6345), (191, 6477), (212, 6552), (214, 6555), (230, 6588), (241, 6621), (279, 6729), (287, 6753), (295, 6786), (310, 6861), (324, 6906), (344, 6984), (346, 6990), (360, 7035), (388, 7155), (397, 7188), (403, 7209), (470, 7383), (480, 7407), (481, 7410), (512, 7470), (516, 7482), (523, 7509), (530, 7530), (551, 7614), (556, 7626), (642, 7863), (668, 7896), (670, 7902),

Gene: Pringar_35 Start: 10750, Stop: 12492, Start Num: 103

Candidate Starts for Pringar_35:

(Start: 103 @10750 has 70 MA's), (166, 10867), (180, 10912), (195, 10978), (196, 10993), (201, 11026), (202, 11029), (207, 11044), (214, 11068), (216, 11071), (230, 11101), (236, 11122), (239, 11140), (242, 11149), (249, 11185), (258, 11200), (273, 11245), (292, 11287), (298, 11326), (302, 11338), (304, 11359), (317, 11410), (328, 11431), (390, 11653), (416, 11758), (419, 11767), (450, 11800), (459, 11821), (460, 11824), (465, 11851), (470, 11881), (476, 11893), (481, 11908), (486, 11917), (488, 11923), (506, 11965), (508, 11974), (514, 11989), (519, 12004), (537, 12064), (544, 12103), (552, 12136), (567, 12166), (568, 12169), (590, 12253), (605, 12307), (610, 12322), (619, 12349), (630, 12403), (665, 12475), (666, 12478),

Gene: Priscilla_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Priscilla_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Priya_13 Start: 8140, Stop: 9927, Start Num: 55

Candidate Starts for Priya_13:

(Start: 55 @8140 has 222 MA's), (Start: 68 @8155 has 32 MA's), (Start: 72 @8161 has 5 MA's), (139, 8272), (164, 8371), (212, 8533), (241, 8605), (258, 8659), (269, 8698), (295, 8770), (310, 8860), (316, 8884), (352, 9001), (357, 9016), (383, 9124), (402, 9199), (411, 9235), (429, 9295), (476, 9415), (484, 9436), (507, 9475), (523, 9529), (524, 9532), (530, 9550), (544, 9604), (551, 9634), (556, 9646), (598, 9736), (606, 9754), (642, 9883), (665, 9910), (666, 9913),

Gene: ProMouse_10 Start: 7442, Stop: 9130, Start Num: 54

Candidate Starts for ProMouse_10:

(Start: 54 @7442 has 363 MA's), (Start: 169 @7622 has 2 MA's), (198, 7706), (202, 7733), (205, 7742), (212, 7769), (258, 7892), (295, 8000), (310, 8090), (316, 8114), (338, 8189), (360, 8258), (380, 8345), (383, 8354), (394, 8402), (395, 8405), (486, 8639), (490, 8651), (512, 8693), (519, 8714), (529, 8741), (556, 8849), (598, 8939), (627, 9044),

Gene: Provolone_7 Start: 2219, Stop: 3874, Start Num: 50

Candidate Starts for Provolone_7:

(Start: 50 @2219 has 1 MA's), (Start: 53 @2228 has 92 MA's), (Start: 54 @2231 has 363 MA's), (Start: 68 @2246 has 32 MA's), (Start: 142 @2378 has 2 MA's), (180, 2450), (191, 2486), (204, 2531), (239, 2624), (243, 2639), (248, 2666), (252, 2675), (259, 2687), (292, 2774), (301, 2822), (310, 2870), (339, 2969), (352, 3008), (392, 3122), (397, 3143), (407, 3182), (446, 3263), (470, 3332), (473, 3338), (479, 3353), (507, 3416), (545, 3548), (556, 3590), (569, 3617), (573, 3635), (599, 3683), (630, 3791),

Gene: PsychoKiller_4 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for PsychoKiller_4:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (Start: 142 @1188 has 2 MA's), (165, 1224), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (384, 1977), (390, 2010), (403, 2058), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: Puginator_8 Start: 2746, Stop: 4392, Start Num: 53

Candidate Starts for Puginator_8:

(Start: 53 @2746 has 92 MA's), (Start: 142 @2896 has 2 MA's), (198, 3016), (239, 3142), (248, 3184), (250, 3190), (259, 3205), (292, 3292), (304, 3364), (310, 3388), (339, 3487), (349, 3523), (357, 3541), (398, 3664), (407, 3700), (470, 3850), (479, 3871), (516, 3961), (523, 3988), (546, 4069), (556, 4108), (567, 4129), (573, 4153), (605, 4213), (630, 4309),

Gene: Pukovnik_14 Start: 9110, Stop: 10888, Start Num: 55

Candidate Starts for Pukovnik_14:

(Start: 55 @9110 has 222 MA's), (Start: 72 @9128 has 5 MA's), (139, 9239), (Start: 142 @9251 has 2 MA's), (154, 9293), (157, 9305), (158, 9314), (164, 9338), (191, 9425), (256, 9620), (258, 9623), (269, 9662), (295, 9731), (310, 9821), (316, 9845), (357, 9977), (439, 10277), (470, 10364), (507, 10436), (516, 10463), (523, 10490), (524, 10493), (530, 10511), (556, 10607), (642, 10844), (666, 10874),

Gene: Pumbaa_11 Start: 6859, Stop: 8556, Start Num: 54

Candidate Starts for Pumbaa_11:

(Start: 54 @6859 has 363 MA's), (Start: 74 @6883 has 1 MA's), (Start: 142 @7006 has 2 MA's), (185, 7096), (198, 7129), (230, 7228), (256, 7312), (258, 7315), (269, 7354), (295, 7423), (300, 7447), (310, 7513), (336, 7603), (380, 7768), (403, 7855), (411, 7888), (443, 7954), (469, 8026), (470, 8029), (480, 8053), (507, 8104), (512, 8119), (523, 8158), (530, 8179), (556, 8275), (642, 8512), (666, 8542), (668, 8545),

Gene: Pumpkins_2 Start: 547, Stop: 2244, Start Num: 75

Candidate Starts for Pumpkins_2:

(Start: 75 @547 has 41 MA's), (Start: 132 @634 has 1 MA's), (240, 919), (258, 976), (269, 1018), (302, 1114), (313, 1168), (346, 1288), (367, 1378), (470, 1663), (516, 1774), (537, 1843), (556, 1918), (563, 1933), (605, 2059), (626, 2143), (634, 2167),

Gene: Puppy_12 Start: 6115, Stop: 7812, Start Num: 54

Candidate Starts for Puppy_12:

(Start: 54 @6115 has 363 MA's), (Start: 74 @6139 has 1 MA's), (102, 6187), (198, 6385), (212, 6448), (250, 6559), (258, 6571), (269, 6610), (278, 6622), (295, 6679), (300, 6703), (310, 6769), (313, 6778), (336, 6859), (344, 6886), (380, 7024), (403, 7111), (411, 7144), (443, 7210), (470, 7285), (480, 7309), (481, 7312), (484, 7318), (488, 7327), (507, 7360), (512, 7375), (530, 7435), (556, 7531), (573, 7576), (577, 7585), (632, 7738), (642, 7768), (666, 7798), (668, 7801),

Gene: PurpleHaze_13 Start: 7028, Stop: 8728, Start Num: 57

Candidate Starts for PurpleHaze_13:

(Start: 57 @7028 has 139 MA's), (Start: 89 @7076 has 4 MA's), (Start: 132 @7148 has 1 MA's), (166, 7211), (258, 7490), (310, 7688), (336, 7778), (356, 7841), (395, 8003), (470, 8201), (480, 8225), (481, 8228), (512, 8291), (516, 8303), (519, 8312), (523, 8330), (530, 8351), (556, 8447), (577, 8501), (598, 8537), (642, 8684), (666, 8714), (668, 8717),

Gene: Pytheas_2 Start: 485, Stop: 2284, Start Num: 57

Candidate Starts for Pytheas_2:

(Start: 57 @485 has 139 MA's), (140, 623), (187, 782), (191, 797), (218, 881), (231, 911), (235, 923), (239, 932), (247, 971), (258, 992), (291, 1076), (303, 1148), (313, 1184), (323, 1220), (347, 1310), (351, 1331), (363, 1382), (371, 1415), (447, 1589), (460, 1616), (470, 1658), (481, 1685), (484, 1691), (512, 1757), (516, 1769), (523, 1796), (546, 1907), (551, 1943), (556, 1955), (569, 1979), (577, 2006), (584, 2030), (604, 2093), (616, 2135), (629, 2192), (634, 2207), (639, 2222), (641, 2225), (649, 2240), (666, 2270), (668, 2273),

Gene: QTRlifeCrisis_11 Start: 7447, Stop: 9135, Start Num: 54

Candidate Starts for QTRlifeCrisis_11:

(Start: 54 @7447 has 363 MA's), (198, 7711), (205, 7747), (258, 7897), (295, 8005), (310, 8095), (316, 8119), (338, 8194), (360, 8263), (380, 8350), (395, 8410), (481, 8635), (486, 8644), (490, 8656), (512, 8698), (519, 8719), (529, 8746), (556, 8854), (598, 8944), (627, 9049),

Gene: Qobbit_13 Start: 8160, Stop: 9926, Start Num: 72

Candidate Starts for Qobbit_13:

(Start: 55 @8139 has 222 MA's), (Start: 68 @8154 has 32 MA's), (Start: 72 @8160 has 5 MA's), (139, 8271), (164, 8370), (212, 8532), (241, 8604), (258, 8658), (269, 8697), (295, 8769), (310, 8859), (316,

8883), (352, 9000), (357, 9015), (383, 9123), (402, 9198), (411, 9234), (429, 9294), (476, 9414), (484, 9435), (507, 9474), (523, 9528), (524, 9531), (530, 9549), (544, 9603), (551, 9633), (556, 9645), (598, 9735), (606, 9753), (642, 9882), (665, 9909), (666, 9912),

Gene: Quasar_4 Start: 1734, Stop: 3413, Start Num: 103

Candidate Starts for Quasar_4:

(Start: 103 @1734 has 70 MA's), (Start: 132 @1785 has 1 MA's), (141, 1806), (167, 1851), (191, 1932), (210, 1998), (212, 2007), (239, 2079), (243, 2094), (252, 2130), (258, 2139), (273, 2190), (302, 2289), (313, 2343), (327, 2379), (363, 2523), (373, 2559), (384, 2598), (390, 2631), (403, 2679), (411, 2712), (416, 2736), (442, 2769), (459, 2802), (469, 2859), (473, 2868), (510, 2952), (537, 3039), (567, 3135), (599, 3207), (605, 3219), (637, 3339), (666, 3399), (668, 3402),

Gene: QueenB2_12 Start: 7454, Stop: 9241, Start Num: 55

Candidate Starts for QueenB2_12:

(Start: 55 @7454 has 222 MA's), (123, 7562), (133, 7583), (164, 7691), (212, 7853), (258, 7976), (295, 8084), (310, 8174), (316, 8198), (352, 8315), (357, 8330), (439, 8630), (516, 8816), (523, 8843), (530, 8864), (556, 8960), (642, 9197), (665, 9224), (666, 9227),

Gene: QueenBeesly_12 Start: 7386, Stop: 9173, Start Num: 55

Candidate Starts for QueenBeesly_12:

(Start: 55 @7386 has 222 MA's), (123, 7494), (133, 7515), (164, 7623), (212, 7785), (256, 7905), (258, 7908), (295, 8016), (310, 8106), (316, 8130), (352, 8247), (357, 8262), (439, 8562), (516, 8748), (523, 8775), (530, 8796), (556, 8892), (642, 9129), (665, 9156), (666, 9159),

Gene: QuickMath_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for QuickMath_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: QuinnKiro_11 Start: 7044, Stop: 8741, Start Num: 54

Candidate Starts for QuinnKiro_11:

(Start: 54 @7044 has 363 MA's), (Start: 74 @7068 has 1 MA's), (198, 7314), (250, 7488), (258, 7500), (269, 7539), (278, 7551), (295, 7608), (300, 7632), (310, 7698), (313, 7707), (336, 7788), (346, 7821), (380, 7953), (386, 7965), (397, 8019), (403, 8040), (411, 8073), (438, 8127), (470, 8214), (480, 8238), (481, 8241), (484, 8247), (488, 8256), (512, 8304), (523, 8343), (524, 8346), (530, 8364), (556, 8460), (577, 8514), (632, 8667), (642, 8697), (666, 8727), (668, 8730),

Gene: Quokka_10 Start: 6379, Stop: 8160, Start Num: 55

Candidate Starts for Quokka_10:

(Start: 55 @6379 has 222 MA's), (Start: 142 @6523 has 2 MA's), (155, 6568), (164, 6610), (172, 6634), (191, 6697), (207, 6751), (256, 6892), (258, 6895), (269, 6934), (295, 7003), (310, 7093), (316, 7117), (356, 7246), (357, 7249), (427, 7522), (523, 7762), (530, 7783), (551, 7867), (556, 7879), (642, 8116), (665, 8143), (666, 8146), (668, 8149),

Gene: R4_6 Start: 2205, Stop: 3866, Start Num: 53

Candidate Starts for R4_6:

(Start: 53 @2205 has 92 MA's), (176, 2427), (204, 2523), (239, 2616), (243, 2631), (248, 2658), (259, 2679), (292, 2766), (310, 2862), (319, 2895), (336, 2949), (346, 2982), (354, 3006), (368, 3075), (398, 3138), (399, 3144), (407, 3174), (448, 3258), (469, 3321), (470, 3324), (476, 3336), (479, 3345), (482, 3354), (507, 3408), (516, 3435), (556, 3582), (567, 3603), (573, 3627), (605, 3687), (630, 3783), (670, 3861),

Gene: RER2_1 Start: 28, Stop: 1710, Start Num: 57

Candidate Starts for RER2_1:

(Start: 57 @28 has 139 MA's), (Start: 169 @214 has 2 MA's), (191, 286), (198, 298), (201, 322), (205, 334), (258, 487), (262, 502), (287, 562), (310, 670), (328, 727), (378, 925), (386, 943), (397, 997), (460, 1141), (469, 1180), (470, 1183), (484, 1216), (516, 1285), (556, 1429), (573, 1474), (605, 1534), (630, 1633), (642, 1666), (665, 1693), (666, 1696), (668, 1699),

Gene: Rachaly_15 Start: 9139, Stop: 10920, Start Num: 55

Candidate Starts for Rachaly_15:

(21, 9019), (40, 9112), (Start: 55 @9139 has 222 MA's), (139, 9271), (158, 9346), (164, 9370), (180, 9421), (256, 9652), (258, 9655), (269, 9694), (295, 9763), (310, 9853), (316, 9877), (346, 9976), (356, 10006), (357, 10009), (507, 10468), (512, 10483), (516, 10495), (523, 10522), (530, 10543), (556, 10639), (642, 10876), (665, 10903), (666, 10906),

Gene: Radiance_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Radiance_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Raela_35 Start: 10993, Stop: 12735, Start Num: 103

Candidate Starts for Raela_35:

(Start: 103 @10993 has 70 MA's), (166, 11110), (180, 11155), (195, 11221), (196, 11236), (201, 11269), (202, 11272), (207, 11287), (214, 11311), (216, 11314), (230, 11344), (236, 11365), (239, 11383), (242, 11392), (249, 11428), (258, 11443), (273, 11488), (292, 11530), (298, 11569), (302, 11581), (304, 11602), (317, 11653), (328, 11674), (390, 11896), (416, 12001), (419, 12010), (450, 12043), (459, 12064), (460, 12067), (465, 12094), (470, 12124), (476, 12136), (481, 12151), (486, 12160), (488, 12166), (506, 12208), (508, 12217), (514, 12232), (519, 12247), (537, 12307), (544, 12346), (552, 12379), (567, 12409), (568, 12412), (590, 12496), (605, 12550), (610, 12565), (619, 12592), (630, 12646), (665, 12718), (666, 12721),

Gene: Rahalelujah_11 Start: 6185, Stop: 7972, Start Num: 55

Candidate Starts for Rahalelujah_11:

(Start: 55 @6185 has 222 MA's), (139, 6314), (164, 6413), (212, 6575), (221, 6608), (241, 6647), (258, 6701), (269, 6740), (295, 6812), (310, 6902), (316, 6926), (352, 7043), (357, 7058), (383, 7166), (402, 7241), (430, 7340), (448, 7373), (476, 7457), (484, 7478), (507, 7520), (512, 7535), (516, 7547), (523, 7574), (530, 7595), (544, 7649), (556, 7691), (598, 7781), (606, 7799), (621, 7850), (642, 7928), (665, 7955), (666, 7958),

Gene: Raid_12 Start: 6738, Stop: 8426, Start Num: 54

Candidate Starts for Raid_12:

(Start: 54 @6738 has 363 MA's), (198, 7002), (201, 7026), (258, 7188), (295, 7296), (310, 7386), (316, 7410), (328, 7437), (338, 7485), (376, 7629), (380, 7641), (395, 7701), (481, 7926), (486, 7935), (490,

7947), (512, 7989), (519, 8010), (529, 8037), (556, 8145), (598, 8235), (627, 8340),

Gene: Rajelicia_11 Start: 6954, Stop: 8642, Start Num: 54

Candidate Starts for Rajelicia_11:

(Start: 54 @6954 has 363 MA's), (198, 7218), (201, 7242), (258, 7404), (267, 7437), (295, 7512), (310, 7602), (316, 7626), (328, 7653), (338, 7701), (376, 7845), (380, 7857), (395, 7917), (481, 8142), (486, 8151), (490, 8163), (512, 8205), (519, 8226), (529, 8253), (556, 8361), (598, 8451), (627, 8556),

Gene: Rana_6 Start: 2374, Stop: 4020, Start Num: 53

Candidate Starts for Rana_6:

(Start: 53 @2374 has 92 MA's), (Start: 68 @2392 has 32 MA's), (180, 2596), (191, 2632), (248, 2812), (259, 2833), (277, 2878), (292, 2920), (304, 2992), (310, 3016), (339, 3115), (344, 3130), (352, 3154), (354, 3160), (407, 3328), (470, 3478), (479, 3499), (516, 3589), (546, 3697), (556, 3736), (567, 3757), (569, 3763), (573, 3781), (630, 3937), (670, 4015),

Gene: RanchParmCat_7 Start: 1862, Stop: 3562, Start Num: 100

Candidate Starts for RanchParmCat_7:

(Start: 100 @1862 has 9 MA's), (Start: 132 @1916 has 1 MA's), (141, 1937), (152, 1964), (182, 2039), (191, 2075), (214, 2153), (243, 2237), (245, 2252), (258, 2282), (273, 2333), (302, 2432), (327, 2522), (349, 2612), (363, 2666), (384, 2741), (416, 2879), (457, 2939), (459, 2945), (473, 3011), (476, 3017), (512, 3101), (519, 3122), (537, 3182), (538, 3188), (546, 3221), (591, 3326), (599, 3350), (629, 3455), (630, 3458), (645, 3503), (666, 3548), (668, 3551),

Gene: Rasputin_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Rasputin_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: ReMo_14 Start: 6686, Stop: 8383, Start Num: 55

Candidate Starts for ReMo_14:

(Start: 55 @6686 has 222 MA's), (71, 6704), (166, 6866), (212, 7022), (241, 7091), (258, 7145), (295, 7253), (301, 7280), (310, 7343), (316, 7367), (480, 7883), (512, 7946), (524, 7988), (556, 8102), (605, 8207), (642, 8339), (665, 8366), (666, 8369), (668, 8372),

Gene: Reba_14 Start: 6700, Stop: 8400, Start Num: 57

Candidate Starts for Reba_14:

(Start: 57 @6700 has 139 MA's), (Start: 89 @6748 has 4 MA's), (166, 6883), (258, 7162), (310, 7360), (336, 7450), (356, 7513), (395, 7675), (470, 7873), (480, 7897), (481, 7900), (512, 7963), (516, 7975), (519, 7984), (523, 8002), (530, 8023), (556, 8119), (577, 8173), (598, 8209), (642, 8356), (666, 8386), (668, 8389),

Gene: Rebeuca_12 Start: 6881, Stop: 8557, Start Num: 54

Candidate Starts for Rebeuca_12:

(Start: 54 @6881 has 363 MA's), (Start: 142 @7013 has 2 MA's), (198, 7145), (208, 7190), (243, 7286), (258, 7331), (269, 7370), (292, 7418), (295, 7439), (300, 7463), (310, 7514), (346, 7637), (380, 7769), (399, 7844), (411, 7889), (443, 7955), (470, 8030), (480, 8054), (481, 8057), (512, 8120), (523, 8159), (524, 8162), (530, 8180), (556, 8276), (583, 8345), (642, 8513), (666, 8543), (668, 8546),

Gene: RedBaron_5 Start: 1158, Stop: 2837, Start Num: 103

Candidate Starts for RedBaron_5:

(Start: 103 @1158 has 70 MA's), (Start: 132 @1209 has 1 MA's), (141, 1230), (Start: 142 @1233 has 2 MA's), (167, 1275), (191, 1356), (210, 1422), (212, 1431), (239, 1503), (243, 1518), (252, 1554), (258, 1563), (273, 1614), (302, 1713), (313, 1767), (327, 1803), (363, 1947), (373, 1983), (384, 2022), (390, 2055), (403, 2103), (411, 2136), (416, 2160), (442, 2193), (459, 2226), (469, 2283), (473, 2292), (510, 2376), (537, 2463), (567, 2559), (599, 2631), (605, 2643), (637, 2763), (666, 2823), (668, 2826),

Gene: RedBear_8 Start: 2648, Stop: 4294, Start Num: 53

Candidate Starts for RedBear_8:

(Start: 53 @2648 has 92 MA's), (Start: 68 @2666 has 32 MA's), (180, 2870), (204, 2951), (248, 3086), (259, 3107), (277, 3152), (292, 3194), (304, 3266), (310, 3290), (339, 3389), (357, 3443), (367, 3500), (407, 3602), (431, 3662), (450, 3689), (479, 3773), (484, 3785), (516, 3863), (528, 3896), (546, 3971), (556, 4010), (567, 4031), (569, 4037), (573, 4055), (616, 4151), (630, 4211),

Gene: RedBird_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for RedBird_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: RedRaider_31 Start: 15061, Stop: 16740, Start Num: 84

Candidate Starts for RedRaider_31:

(Start: 84 @15061 has 10 MA's), (167, 15211), (184, 15268), (192, 15295), (197, 15307), (205, 15346), (212, 15379), (233, 15436), (314, 15721), (322, 15748), (367, 15916), (371, 15928), (381, 15961), (408, 16039), (458, 16141), (496, 16255), (512, 16312), (520, 16336), (523, 16351), (537, 16393), (544, 16426), (558, 16459), (576, 16507), (595, 16534), (618, 16603), (619, 16606), (636, 16675),

Gene: RedRaider77_35 Start: 10894, Stop: 12636, Start Num: 103

Candidate Starts for RedRaider77_35:

(Start: 103 @10894 has 70 MA's), (166, 11011), (180, 11056), (195, 11122), (196, 11137), (201, 11170), (202, 11173), (207, 11188), (214, 11212), (216, 11215), (230, 11245), (236, 11266), (239, 11284), (242, 11293), (249, 11329), (258, 11344), (273, 11389), (292, 11431), (298, 11470), (302, 11482), (304, 11503), (317, 11554), (328, 11575), (390, 11797), (416, 11902), (419, 11911), (450, 11944), (459, 11965), (460, 11968), (465, 11995), (470, 12025), (476, 12037), (481, 12052), (486, 12061), (488, 12067), (506, 12109), (508, 12118), (514, 12133), (519, 12148), (537, 12208), (544, 12247), (552, 12280), (567, 12310), (568, 12313), (590, 12397), (605, 12451), (610, 12466), (619, 12493), (630, 12547), (665, 12619), (666, 12622),

Gene: RedRock_15 Start: 9396, Stop: 11156, Start Num: 55

Candidate Starts for RedRock_15:

(27, 9312), (Start: 55 @9396 has 222 MA's), (123, 9504), (133, 9525), (158, 9609), (164, 9633), (172, 9657), (191, 9720), (207, 9774), (241, 9864), (258, 9918), (295, 10026), (310, 10116), (316, 10140), (357, 10272), (392, 10416), (398, 10440), (439, 10548), (470, 10632), (507, 10704), (512, 10719), (523, 10758), (524, 10761), (530, 10779), (556, 10875), (583, 10944), (642, 11112), (665, 11139), (666, 11142), (668, 11145), (669, 11148),

Gene: Reedo_2 Start: 544, Stop: 2244, Start Num: 77

Candidate Starts for Reedo_2:

(Start: 77 @544 has 7 MA's), (120, 607), (240, 913), (258, 970), (274, 1018), (302, 1108), (313, 1162), (327, 1207), (346, 1282), (425, 1534), (452, 1591), (470, 1654), (522, 1786), (546, 1873), (556, 1909),

(563, 1924), (570, 1942), (630, 2155), (634, 2167),

Gene: Refuge_15 Start: 9750, Stop: 11534, Start Num: 55

Candidate Starts for Refuge_15:

(Start: 55 @9750 has 222 MA's), (Start: 132 @9870 has 1 MA's), (139, 9882), (157, 9948), (164, 9981), (191, 10068), (241, 10212), (258, 10266), (269, 10305), (295, 10377), (310, 10467), (316, 10491), (346, 10590), (352, 10608), (357, 10623), (392, 10767), (419, 10875), (470, 11010), (507, 11082), (512, 11097), (530, 11157), (556, 11253), (598, 11343), (632, 11460), (641, 11487), (642, 11490), (665, 11517), (666, 11520), (668, 11523),

Gene: Relief_11 Start: 6885, Stop: 8582, Start Num: 54

Candidate Starts for Relief_11:

(Start: 54 @6885 has 363 MA's), (Start: 74 @6909 has 1 MA's), (Start: 142 @7032 has 2 MA's), (185, 7122), (198, 7155), (230, 7254), (256, 7338), (258, 7341), (269, 7380), (295, 7449), (300, 7473), (310, 7539), (336, 7629), (380, 7794), (403, 7881), (411, 7914), (443, 7980), (469, 8052), (470, 8055), (480, 8079), (507, 8130), (512, 8145), (523, 8184), (530, 8205), (556, 8301), (642, 8538), (666, 8568), (668, 8571),

Gene: Remus_14 Start: 6647, Stop: 8344, Start Num: 55

Candidate Starts for Remus_14:

(Start: 55 @6647 has 222 MA's), (71, 6665), (166, 6827), (241, 7052), (258, 7106), (295, 7214), (301, 7241), (310, 7304), (316, 7328), (480, 7844), (512, 7907), (524, 7949), (556, 8063), (605, 8168), (642, 8300), (665, 8327), (666, 8330), (668, 8333),

Gene: RemusLoopin_2 Start: 597, Stop: 2147, Start Num: 127

Candidate Starts for RemusLoopin_2:

(Start: 127 @597 has 4 MA's), (170, 669), (211, 816), (215, 825), (226, 873), (237, 918), (245, 954), (258, 978), (266, 1008), (269, 1017), (289, 1062), (296, 1092), (300, 1113), (307, 1146), (318, 1191), (326, 1203), (341, 1266), (349, 1296), (372, 1356), (406, 1455), (451, 1551), (453, 1554), (468, 1623), (491, 1674), (493, 1680), (499, 1689), (511, 1731), (534, 1833), (535, 1836), (539, 1854), (544, 1881), (562, 1929), (600, 2010), (610, 2034), (612, 2037), (631, 2112), (638, 2133),

Gene: Renaud18_2 Start: 458, Stop: 2236, Start Num: 57

Candidate Starts for Renaud18_2:

(Start: 57 @458 has 139 MA's), (96, 509), (109, 530), (125, 560), (Start: 129 @566 has 2 MA's), (Start: 137 @581 has 2 MA's), (158, 632), (177, 695), (180, 707), (191, 743), (205, 791), (209, 806), (212, 818), (216, 824), (238, 881), (239, 884), (241, 890), (244, 905), (247, 923), (248, 926), (258, 944), (302, 1085), (303, 1103), (310, 1130), (316, 1154), (327, 1187), (347, 1265), (367, 1355), (370, 1364), (375, 1379), (397, 1421), (398, 1424), (409, 1466), (411, 1475), (416, 1499), (447, 1541), (449, 1544), (460, 1568), (469, 1607), (470, 1610), (477, 1625), (484, 1643), (486, 1646), (520, 1727), (523, 1742), (524, 1745), (527, 1757), (533, 1796), (544, 1847), (546, 1853), (551, 1889), (556, 1901), (569, 1925), (577, 1952), (581, 1961), (582, 1964), (599, 2036), (616, 2084), (619, 2090), (624, 2123), (625, 2129), (627, 2135), (629, 2141), (630, 2144), (634, 2156), (641, 2174), (651, 2195), (662, 2213), (668, 2225),

Gene: ResDef_12 Start: 7044, Stop: 8741, Start Num: 54

Candidate Starts for ResDef_12:

(Start: 54 @7044 has 363 MA's), (Start: 74 @7068 has 1 MA's), (198, 7314), (250, 7488), (258, 7500), (269, 7539), (278, 7551), (295, 7608), (300, 7632), (310, 7698), (313, 7707), (336, 7788), (346, 7821), (380, 7953), (386, 7965), (397, 8019), (403, 8040), (411, 8073), (438, 8127), (470, 8214), (480, 8238), (481, 8241), (484, 8247), (488, 8256), (512, 8304), (523, 8343), (524, 8346), (530, 8364), (556, 8460), (577, 8514), (632, 8667), (642, 8697), (666, 8727), (668, 8730),

Gene: Retro23_12 Start: 7537, Stop: 9324, Start Num: 55

Candidate Starts for Retro23_12:

(Start: 55 @7537 has 222 MA's), (123, 7645), (133, 7666), (164, 7774), (212, 7936), (256, 8056), (258, 8059), (295, 8167), (310, 8257), (316, 8281), (352, 8398), (357, 8413), (439, 8713), (516, 8899), (523, 8926), (530, 8947), (556, 9043), (642, 9280), (665, 9307), (666, 9310),

Gene: RexFury_8 Start: 3187, Stop: 4869, Start Num: 57

Candidate Starts for RexFury_8:

(Start: 57 @3187 has 139 MA's), (Start: 169 @3373 has 2 MA's), (191, 3445), (198, 3457), (201, 3481), (205, 3493), (258, 3646), (262, 3661), (287, 3721), (310, 3829), (328, 3886), (378, 4084), (386, 4102), (397, 4156), (460, 4300), (470, 4342), (484, 4375), (516, 4444), (556, 4588), (573, 4633), (605, 4693), (630, 4792), (642, 4825), (665, 4852), (666, 4855), (668, 4858),

Gene: Rhodalysa_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Rhodalysa_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (469, 4308), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: RhynO_12 Start: 6844, Stop: 8535, Start Num: 54

Candidate Starts for RhynO_12:

(Start: 54 @6844 has 363 MA's), (Start: 74 @6868 has 1 MA's), (Start: 142 @6991 has 2 MA's), (175, 7057), (191, 7111), (198, 7123), (208, 7168), (230, 7222), (239, 7249), (243, 7264), (258, 7309), (269, 7348), (292, 7396), (295, 7417), (300, 7441), (310, 7492), (346, 7615), (387, 7762), (399, 7822), (411, 7867), (443, 7933), (470, 8008), (480, 8032), (512, 8098), (530, 8158), (556, 8254), (577, 8308), (642, 8491), (666, 8521), (668, 8524),

Gene: Rhynn_11 Start: 7048, Stop: 8736, Start Num: 54

Candidate Starts for Rhynn_11:

(Start: 54 @7048 has 363 MA's), (198, 7312), (201, 7336), (258, 7498), (267, 7531), (295, 7606), (305, 7660), (310, 7696), (316, 7720), (328, 7747), (338, 7795), (360, 7864), (380, 7951), (395, 8011), (486, 8245), (490, 8257), (512, 8299), (519, 8320), (529, 8347), (556, 8455), (598, 8545), (627, 8650),

Gene: RidgeCB_11 Start: 6575, Stop: 8263, Start Num: 54

Candidate Starts for RidgeCB_11:

(Start: 54 @6575 has 363 MA's), (Start: 169 @6755 has 2 MA's), (198, 6839), (205, 6875), (212, 6902), (258, 7025), (295, 7133), (310, 7223), (316, 7247), (328, 7274), (338, 7322), (380, 7478), (395, 7538), (486, 7772), (490, 7784), (512, 7826), (519, 7847), (529, 7874), (556, 7982), (598, 8072), (627, 8177),

Gene: Rifter_15 Start: 7506, Stop: 9260, Start Num: 55

Candidate Starts for Rifter_15:

(Start: 55 @7506 has 222 MA's), (139, 7638), (164, 7737), (172, 7761), (180, 7788), (191, 7824), (212, 7899), (258, 8022), (262, 8037), (269, 8061), (295, 8130), (300, 8154), (301, 8157), (310, 8220), (316, 8244), (356, 8373), (357, 8376), (386, 8487), (438, 8649), (470, 8736), (476, 8748), (480, 8760), (507, 8808), (512, 8823), (530, 8883), (551, 8967), (556, 8979), (642, 9216), (665, 9243), (666, 9246),

Gene: Ringer_11 Start: 7246, Stop: 8934, Start Num: 54

Candidate Starts for Ringer_11:

(Start: 54 @7246 has 363 MA's), (Start: 169 @7426 has 2 MA's), (198, 7510), (205, 7546), (212, 7573), (258, 7696), (295, 7804), (310, 7894), (316, 7918), (328, 7945), (338, 7993), (380, 8149), (395, 8209), (481, 8434), (486, 8443), (490, 8455), (512, 8497), (519, 8518), (529, 8545), (556, 8653), (598, 8743), (627, 8848),

Gene: Rita_2 Start: 588, Stop: 2225, Start Num: 88

Candidate Starts for Rita_2:

(Start: 88 @588 has 156 MA's), (94, 603), (Start: 101 @612 has 3 MA's), (Start: 105 @618 has 1 MA's), (Start: 121 @645 has 1 MA's), (Start: 134 @669 has 2 MA's), (136, 672), (168, 735), (174, 753), (184, 774), (208, 861), (209, 867), (224, 921), (233, 933), (238, 945), (241, 954), (242, 957), (245, 978), (251, 999), (260, 1014), (276, 1071), (292, 1110), (303, 1179), (306, 1185), (314, 1215), (315, 1218), (316, 1227), (322, 1242), (328, 1260), (339, 1311), (367, 1413), (422, 1584), (435, 1596), (449, 1614), (470, 1680), (483, 1710), (485, 1713), (487, 1716), (512, 1773), (517, 1788), (519, 1794), (520, 1797), (523, 1812), (529, 1821), (545, 1890), (554, 1920), (558, 1929), (571, 1962), (583, 1995), (597, 2022), (611, 2055), (618, 2082), (619, 2085), (623, 2106), (627, 2130), (630, 2139), (632, 2142), (660, 2199),

Gene: RitaG_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for RitaG_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Roary_9 Start: 5668, Stop: 7422, Start Num: 32

Candidate Starts for Roary_9:

(Start: 32 @5668 has 30 MA's), (49, 5710), (73, 5749), (139, 5857), (212, 6064), (287, 6265), (310, 6373), (346, 6502), (388, 6667), (397, 6700), (446, 6820), (470, 6895), (519, 7006), (523, 7024), (530, 7045), (544, 7099), (556, 7141), (583, 7210), (605, 7246), (630, 7345), (642, 7378), (668, 7411), (670, 7417),

Gene: RockScotty_2 Start: 594, Stop: 2282, Start Num: 79

Candidate Starts for RockScotty_2:

(Start: 79 @594 has 10 MA's), (235, 939), (243, 963), (258, 1008), (291, 1095), (302, 1149), (309, 1188), (346, 1323), (371, 1425), (457, 1647), (470, 1698), (546, 1917), (556, 1953), (563, 1968), (630, 2193), (634, 2205), (638, 2220), (668, 2271),

Gene: Rockne_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Rockne_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (578, 1982), (583, 1994), (597, 2021), (611, 2054), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Rockstar_11 Start: 6367, Stop: 8064, Start Num: 54

Candidate Starts for Rockstar_11:

(Start: 54 @6367 has 363 MA's), (102, 6439), (198, 6637), (212, 6700), (250, 6811), (258, 6823), (278, 6874), (295, 6931), (300, 6955), (310, 7021), (313, 7030), (336, 7111), (344, 7138), (380, 7276), (397, 7342), (403, 7363), (411, 7396), (443, 7462), (470, 7537), (480, 7561), (481, 7564), (484, 7570), (488, 7579), (512, 7627), (523, 7666), (530, 7687), (556, 7783), (577, 7837), (632, 7990), (642, 8020), (666, 8050), (668, 8053),

Gene: Rohr_12 Start: 7254, Stop: 8942, Start Num: 54

Candidate Starts for Rohr_12:

(Start: 54 @7254 has 363 MA's), (Start: 169 @7434 has 2 MA's), (198, 7518), (205, 7554), (212, 7581), (258, 7704), (267, 7737), (295, 7812), (310, 7902), (316, 7926), (328, 7953), (338, 8001), (380, 8157), (395, 8217), (481, 8442), (486, 8451), (490, 8463), (512, 8505), (519, 8526), (529, 8553), (556, 8661), (598, 8751), (627, 8856),

Gene: Roksolana_15 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for Roksolana_15:

(Start: 55 @7533 has 222 MA's), (139, 7665), (164, 7764), (172, 7788), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (262, 8064), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (356, 8400), (357, 8403), (386, 8514), (438, 8676), (470, 8763), (476, 8775), (480, 8787), (507, 8835), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: Romney_11 Start: 6883, Stop: 8580, Start Num: 54

Candidate Starts for Romney_11:

(Start: 54 @6883 has 363 MA's), (Start: 74 @6907 has 1 MA's), (Start: 142 @7030 has 2 MA's), (185, 7120), (198, 7153), (230, 7252), (256, 7336), (258, 7339), (269, 7378), (295, 7447), (300, 7471), (310, 7537), (336, 7627), (380, 7792), (403, 7879), (411, 7912), (443, 7978), (469, 8050), (470, 8053), (480, 8077), (507, 8128), (512, 8143), (523, 8182), (530, 8203), (556, 8299), (642, 8536), (666, 8566), (668, 8569),

Gene: RonRayGun_3 Start: 724, Stop: 2607, Start Num: 42

Candidate Starts for RonRayGun_3:

(5, 475), (Start: 42 @724 has 7 MA's), (93, 805), (98, 814), (147, 910), (151, 922), (191, 1054), (242, 1201), (243, 1207), (248, 1234), (258, 1252), (282, 1315), (314, 1450), (364, 1651), (389, 1708), (473, 1927), (495, 1978), (503, 2002), (520, 2053), (547, 2182), (552, 2221), (556, 2230), (573, 2281), (585, 2320), (599, 2407), (605, 2419), (629, 2512), (634, 2527), (635, 2530),

Gene: Roosevelt_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Roosevelt_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Rosa24_10 Start: 6859, Stop: 8556, Start Num: 54

Candidate Starts for Rosa24_10:

(Start: 54 @6859 has 363 MA's), (Start: 74 @6883 has 1 MA's), (Start: 142 @7006 has 2 MA's), (185, 7096), (198, 7129), (256, 7312), (258, 7315), (269, 7354), (295, 7423), (300, 7447), (310, 7513), (336, 7603), (380, 7768), (403, 7855), (411, 7888), (443, 7954), (469, 8026), (470, 8029), (480, 8053), (507, 8104), (512, 8119), (523, 8158), (530, 8179), (556, 8275), (642, 8512), (666, 8542), (668, 8545),

Gene: Rosalind_14 Start: 6808, Stop: 8505, Start Num: 55

Candidate Starts for Rosalind_14:

(Start: 55 @6808 has 222 MA's), (71, 6826), (166, 6988), (212, 7144), (241, 7213), (258, 7267), (295, 7375), (301, 7402), (310, 7465), (316, 7489), (480, 8005), (512, 8068), (524, 8110), (556, 8224), (605, 8329), (642, 8461), (665, 8488), (666, 8491), (668, 8494),

Gene: Rowdy_14 Start: 6755, Stop: 8446, Start Num: 54

Candidate Starts for Rowdy_14:

(Start: 54 @6755 has 363 MA's), (Start: 74 @6779 has 1 MA's), (Start: 142 @6902 has 2 MA's), (175, 6968), (191, 7022), (198, 7034), (208, 7079), (230, 7133), (239, 7160), (243, 7175), (258, 7220), (269, 7259), (292, 7307), (295, 7328), (300, 7352), (310, 7403), (346, 7526), (387, 7673), (399, 7733), (411, 7778), (443, 7844), (470, 7919), (480, 7943), (512, 8009), (530, 8069), (556, 8165), (577, 8219), (642, 8402), (666, 8432), (668, 8435),

Gene: Royals2015_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Royals2015_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Rubeus_12 Start: 7080, Stop: 8768, Start Num: 61

Candidate Starts for Rubeus_12:

(Start: 61 @7080 has 24 MA's), (166, 7251), (Start: 169 @7260 has 2 MA's), (198, 7344), (202, 7371), (205, 7380), (258, 7530), (267, 7563), (295, 7638), (310, 7728), (316, 7752), (328, 7779), (338, 7827), (380, 7983), (395, 8043), (481, 8268), (486, 8277), (490, 8289), (512, 8331), (519, 8352), (529, 8379), (556, 8487), (598, 8577), (627, 8682),

Gene: Ruby_2 Start: 573, Stop: 2210, Start Num: 88

Candidate Starts for Ruby_2:

(Start: 88 @573 has 156 MA's), (91, 582), (Start: 101 @597 has 3 MA's), (Start: 114 @618 has 1 MA's), (Start: 134 @654 has 2 MA's), (136, 657), (143, 675), (168, 720), (184, 759), (208, 846), (224, 906), (238, 930), (241, 939), (242, 942), (245, 963), (251, 984), (260, 999), (276, 1056), (292, 1095), (303, 1164), (306, 1170), (314, 1200), (315, 1203), (316, 1212), (322, 1227), (328, 1245), (339, 1296), (365, 1389), (367, 1398), (422, 1569), (435, 1581), (470, 1665), (483, 1695), (485, 1698), (487, 1701), (512, 1758), (517, 1773), (519, 1779), (520, 1782), (523, 1797), (529, 1806), (545, 1875), (554, 1905), (558, 1914), (571, 1947), (583, 1980), (597, 2007), (611, 2040), (619, 2070), (623, 2091), (627, 2115), (630, 2124), (632, 2127), (660, 2184),

Gene: Rufus_12 Start: 7137, Stop: 8825, Start Num: 61

Candidate Starts for Rufus_12:

(Start: 61 @7137 has 24 MA's), (166, 7308), (Start: 169 @7317 has 2 MA's), (198, 7401), (202, 7428), (205, 7437), (258, 7587), (267, 7620), (295, 7695), (310, 7785), (316, 7809), (328, 7836), (338, 7884), (360, 7953), (376, 8028), (380, 8040), (395, 8100), (486, 8334), (490, 8346), (512, 8388), (519, 8409), (529, 8436), (556, 8544), (598, 8634), (627, 8739),

Gene: Ruin_11 Start: 6883, Stop: 8580, Start Num: 54

Candidate Starts for Ruin_11:

(Start: 54 @6883 has 363 MA's), (Start: 74 @6907 has 1 MA's), (Start: 142 @7030 has 2 MA's), (185, 7120), (198, 7153), (230, 7252), (256, 7336), (258, 7339), (269, 7378), (295, 7447), (300, 7471), (310, 7537), (336, 7627), (380, 7792), (403, 7879), (411, 7912), (443, 7978), (469, 8050), (470, 8053), (480, 8077), (507, 8128), (512, 8143), (523, 8182), (530, 8203), (556, 8299), (642, 8536), (666, 8566), (668, 8569),

Gene: Rummer_13 Start: 7041, Stop: 8741, Start Num: 57

Candidate Starts for Rummer_13:

(Start: 57 @7041 has 139 MA's), (Start: 89 @7089 has 4 MA's), (166, 7224), (230, 7416), (258, 7503), (310, 7701), (336, 7791), (356, 7854), (395, 8016), (470, 8214), (480, 8238), (481, 8241), (512, 8304), (519, 8325), (530, 8364), (556, 8460), (577, 8514), (598, 8550), (642, 8697), (666, 8727), (668, 8730),

Gene: Ruotula_10 Start: 7196, Stop: 8884, Start Num: 54

Candidate Starts for Ruotula_10:

(Start: 54 @7196 has 363 MA's), (198, 7460), (201, 7484), (258, 7646), (267, 7679), (295, 7754), (310, 7844), (316, 7868), (328, 7895), (338, 7943), (360, 8012), (380, 8099), (395, 8159), (486, 8393), (490, 8405), (512, 8447), (519, 8468), (529, 8495), (556, 8603), (598, 8693), (627, 8798),

Gene: Rusticus_7 Start: 2580, Stop: 4208, Start Num: 68

Candidate Starts for Rusticus_7:

(Start: 53 @2562 has 92 MA's), (Start: 68 @2580 has 32 MA's), (180, 2784), (204, 2865), (248, 3000), (259, 3021), (277, 3066), (292, 3108), (304, 3180), (310, 3204), (336, 3291), (339, 3303), (357, 3357), (392, 3456), (407, 3516), (476, 3678), (479, 3687), (516, 3777), (528, 3810), (545, 3882), (546, 3885), (556, 3924), (567, 3945), (569, 3951), (573, 3969), (616, 4065), (630, 4125),

Gene: Rutherferd_13 Start: 7598, Stop: 9286, Start Num: 61

Candidate Starts for Rutherferd_13:

(Start: 61 @7598 has 24 MA's), (Start: 169 @7778 has 2 MA's), (198, 7862), (202, 7889), (205, 7898), (258, 8048), (267, 8081), (295, 8156), (310, 8246), (316, 8270), (328, 8297), (338, 8345), (380, 8501), (395, 8561), (481, 8786), (486, 8795), (490, 8807), (512, 8849), (519, 8870), (529, 8897), (556, 9005), (598, 9095), (627, 9200),

Gene: RyeScarlet_14 Start: 8166, Stop: 9932, Start Num: 72

Candidate Starts for RyeScarlet_14:

(Start: 55 @8145 has 222 MA's), (Start: 68 @8160 has 32 MA's), (Start: 72 @8166 has 5 MA's), (139, 8277), (164, 8376), (212, 8538), (241, 8610), (258, 8664), (269, 8703), (295, 8775), (310, 8865), (316, 8889), (352, 9006), (357, 9021), (383, 9129), (402, 9204), (411, 9240), (429, 9300), (476, 9420), (484, 9441), (507, 9480), (523, 9534), (524, 9537), (530, 9555), (544, 9609), (551, 9639), (556, 9651), (598, 9741), (606, 9759), (642, 9888), (665, 9915), (666, 9918),

Gene: SG4_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for SG4_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: SPB78_2 Start: 441, Stop: 2099, Start Num: 100

Candidate Starts for SPB78_2:

(Start: 100 @441 has 9 MA's), (Start: 132 @495 has 1 MA's), (139, 507), (166, 555), (171, 570), (175, 582), (191, 639), (202, 678), (231, 756), (239, 786), (249, 831), (258, 846), (263, 864), (314, 1041), (363, 1218), (384, 1293), (409, 1398), (416, 1431), (423, 1446), (459, 1497), (481, 1584), (488, 1599), (507, 1641), (512, 1656), (516, 1668), (529, 1704), (546, 1776), (555, 1812), (563, 1830), (577, 1869), (591, 1884), (601, 1911), (657, 2079),

Gene: STLscum_12 Start: 7167, Stop: 8855, Start Num: 54

Candidate Starts for STLscum_12:

(Start: 54 @7167 has 363 MA's), (198, 7431), (201, 7455), (258, 7617), (267, 7650), (295, 7725), (310, 7815), (316, 7839), (328, 7866), (338, 7914), (380, 8070), (383, 8079), (395, 8130), (486, 8364), (490, 8376), (512, 8418), (519, 8439), (529, 8466), (556, 8574), (598, 8664), (627, 8769),

Gene: Saal_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Saal_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (358, 1346), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Sabbb_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Sabbb_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (358, 1361), (367, 1412), (422, 1583), (435, 1595), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (571, 1961), (577, 1979), (583, 1994), (597, 2021), (611, 2054), (616, 2075), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Sabertooth_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Sabertooth_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Sabia_13 Start: 6950, Stop: 8650, Start Num: 57

Candidate Starts for Sabia_13:

(Start: 57 @6950 has 139 MA's), (Start: 89 @6998 has 4 MA's), (166, 7133), (230, 7325), (258, 7412), (310, 7610), (336, 7700), (356, 7763), (395, 7925), (470, 8123), (480, 8147), (481, 8150), (512, 8213), (519, 8234), (530, 8273), (556, 8369), (577, 8423), (598, 8459), (642, 8606), (666, 8636), (668, 8639),

Gene: Sabinator_13 Start: 6955, Stop: 8655, Start Num: 57

Candidate Starts for Sabinator_13:

(Start: 57 @6955 has 139 MA's), (Start: 89 @7003 has 4 MA's), (166, 7138), (230, 7330), (258, 7417), (310, 7615), (336, 7705), (356, 7768), (395, 7930), (470, 8128), (480, 8152), (481, 8155), (512, 8218), (519, 8239), (530, 8278), (556, 8374), (577, 8428), (598, 8464), (642, 8611), (666, 8641), (668, 8644),

Gene: Sabourin_2 Start: 593, Stop: 2281, Start Num: 79

Candidate Starts for Sabourin_2:

(Start: 79 @593 has 10 MA's), (187, 794), (235, 938), (243, 962), (258, 1007), (291, 1094), (302, 1148), (309, 1187), (346, 1322), (371, 1424), (412, 1535), (457, 1646), (470, 1697), (556, 1952), (563, 1967), (630, 2192), (634, 2204), (638, 2219),

Gene: Sachima_11 Start: 8124, Stop: 9896, Start Num: 68

Candidate Starts for Sachima_11:

(Start: 55 @8109 has 222 MA's), (Start: 68 @8124 has 32 MA's), (Start: 72 @8130 has 5 MA's), (139, 8241), (164, 8340), (212, 8502), (241, 8574), (258, 8628), (269, 8667), (295, 8739), (310, 8829), (316, 8853), (352, 8970), (357, 8985), (383, 9093), (402, 9168), (411, 9204), (429, 9264), (476, 9384), (484, 9405), (507, 9444), (523, 9498), (524, 9501), (530, 9519), (544, 9573), (551, 9603), (556, 9615), (598, 9705), (606, 9723), (642, 9852), (665, 9879), (666, 9882),

Gene: Saftant_6 Start: 2534, Stop: 4177, Start Num: 54

Candidate Starts for Saftant_6:

(Start: 53 @2531 has 92 MA's), (Start: 54 @2534 has 363 MA's), (Start: 68 @2549 has 32 MA's), (102, 2606), (180, 2753), (191, 2789), (205, 2837), (243, 2942), (248, 2969), (252, 2978), (259, 2990), (301, 3125), (310, 3173), (339, 3272), (357, 3326), (368, 3386), (392, 3425), (407, 3485), (412, 3503), (446, 3566), (470, 3635), (479, 3656), (507, 3719), (516, 3746), (523, 3773), (530, 3794), (546, 3854), (556, 3893), (569, 3920), (573, 3938), (636, 4115),

Gene: Sagefire_12 Start: 7849, Stop: 9537, Start Num: 54

Candidate Starts for Sagefire_12:

(Start: 54 @7849 has 363 MA's), (198, 8113), (201, 8137), (258, 8299), (267, 8332), (295, 8407), (310, 8497), (316, 8521), (328, 8548), (338, 8596), (380, 8752), (395, 8812), (486, 9046), (490, 9058), (512, 9100), (519, 9121), (529, 9148), (556, 9256), (598, 9346), (627, 9451),

Gene: Saintus_9 Start: 5681, Stop: 7435, Start Num: 32

Candidate Starts for Saintus_9:

(Start: 32 @5681 has 30 MA's), (49, 5723), (73, 5762), (139, 5870), (212, 6077), (287, 6278), (310, 6386), (346, 6515), (388, 6680), (397, 6713), (446, 6833), (470, 6908), (519, 7019), (523, 7037), (530, 7058), (544, 7112), (556, 7154), (630, 7358), (642, 7391), (668, 7424), (670, 7430),

Gene: Salz_12 Start: 8021, Stop: 9784, Start Num: 55

Candidate Starts for Salz_12:

(Start: 55 @8021 has 222 MA's), (Start: 72 @8042 has 5 MA's), (123, 8129), (164, 8258), (172, 8282), (191, 8345), (241, 8489), (256, 8540), (258, 8543), (295, 8654), (300, 8678), (301, 8681), (310, 8744), (313, 8753), (316, 8768), (352, 8885), (357, 8900), (368, 8960), (392, 9044), (443, 9185), (476, 9272), (480, 9284), (507, 9332), (512, 9347), (523, 9386), (530, 9407), (540, 9446), (551, 9491), (556, 9503), (642, 9740), (665, 9767),

Gene: Samora_2 Start: 588, Stop: 2150, Start Num: 127

Candidate Starts for Samora_2:

(Start: 127 @588 has 4 MA's), (215, 816), (217, 822), (226, 864), (245, 945), (246, 948), (258, 969), (259, 972), (266, 999), (289, 1053), (296, 1083), (298, 1098), (307, 1137), (309, 1149), (318, 1182), (349, 1287), (414, 1479), (449, 1542), (461, 1590), (464, 1602), (468, 1617), (491, 1668), (493, 1674), (499, 1683), (509, 1722), (534, 1827), (535, 1830), (552, 1899), (597, 1998), (600, 2004), (606, 2016), (610, 2028), (612, 2031),

Gene: Samy_5 Start: 1792, Stop: 3501, Start Num: 95

Candidate Starts for Samy_5:

(Start: 95 @1792 has 23 MA's), (Start: 106 @1807 has 1 MA's), (131, 1849), (139, 1864), (145, 1879), (164, 1912), (176, 1945), (186, 1981), (230, 2164), (242, 2200), (310, 2440), (330, 2515), (377, 2698), (390, 2707), (416, 2812), (537, 3100), (549, 3148), (563, 3193), (614, 3340), (617, 3355), (627, 3406), (630, 3415),

Gene: Sandaddy_10 Start: 6972, Stop: 8660, Start Num: 54

Candidate Starts for Sandaddy_10:

(Start: 54 @6972 has 363 MA's), (Start: 169 @7152 has 2 MA's), (198, 7236), (205, 7272), (212, 7299), (258, 7422), (295, 7530), (310, 7620), (316, 7644), (328, 7671), (338, 7719), (380, 7875), (395, 7935), (481, 8160), (486, 8169), (490, 8181), (512, 8223), (519, 8244), (529, 8271), (556, 8379), (598, 8469), (627, 8574),

Gene: Sandalphon_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Sandalphon_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Sanya_10 Start: 7634, Stop: 9322, Start Num: 54

Candidate Starts for Sanya_10:

(Start: 54 @7634 has 363 MA's), (198, 7898), (201, 7922), (258, 8084), (267, 8117), (295, 8192), (310, 8282), (316, 8306), (328, 8333), (338, 8381), (360, 8450), (380, 8537), (383, 8546), (395, 8597), (481, 8822), (486, 8831), (490, 8843), (512, 8885), (519, 8906), (529, 8933), (556, 9041), (598, 9131), (627, 9236),

Gene: SarFire_11 Start: 6833, Stop: 8521, Start Num: 54

Candidate Starts for SarFire_11:

(Start: 54 @6833 has 363 MA's), (Start: 169 @7013 has 2 MA's), (198, 7097), (205, 7133), (212, 7160), (258, 7283), (267, 7316), (295, 7391), (310, 7481), (316, 7505), (328, 7532), (338, 7580), (380, 7736), (383, 7745), (395, 7796), (486, 8030), (490, 8042), (512, 8084), (519, 8105), (529, 8132), (556, 8240), (598, 8330), (627, 8435),

Gene: SarahRose_6 Start: 2376, Stop: 4022, Start Num: 53

Candidate Starts for SarahRose_6:

(Start: 53 @2376 has 92 MA's), (Start: 68 @2394 has 32 MA's), (Start: 142 @2526 has 2 MA's), (180, 2598), (191, 2634), (248, 2814), (259, 2835), (277, 2880), (292, 2922), (304, 2994), (310, 3018), (339, 3117), (344, 3132), (352, 3156), (354, 3162), (407, 3330), (470, 3480), (479, 3501), (507, 3564), (516, 3591), (546, 3699), (556, 3738), (567, 3759), (569, 3765), (573, 3783), (616, 3879), (630, 3939), (670, 4017),

Gene: Sassafras_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Sassafras_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: SassyB_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for SassyB_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977),

(251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: SaturnRing_11 Start: 6496, Stop: 8193, Start Num: 54

Candidate Starts for SaturnRing_11:

(Start: 54 @6496 has 363 MA's), (Start: 74 @6520 has 1 MA's), (102, 6568), (198, 6766), (212, 6829), (250, 6940), (258, 6952), (269, 6991), (278, 7003), (295, 7060), (300, 7084), (310, 7150), (313, 7159), (336, 7240), (344, 7267), (380, 7405), (403, 7492), (411, 7525), (443, 7591), (470, 7666), (480, 7690), (481, 7693), (484, 7699), (488, 7708), (507, 7741), (512, 7756), (530, 7816), (556, 7912), (573, 7957), (577, 7966), (632, 8119), (642, 8149), (666, 8179), (668, 8182),

Gene: Scamp_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Scamp_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Scherzo_13 Start: 8163, Stop: 9929, Start Num: 72

Candidate Starts for Scherzo_13:

(Start: 55 @8142 has 222 MA's), (Start: 68 @8157 has 32 MA's), (Start: 72 @8163 has 5 MA's), (139, 8274), (164, 8373), (212, 8535), (241, 8607), (258, 8661), (269, 8700), (295, 8772), (310, 8862), (316, 8886), (352, 9003), (357, 9018), (383, 9126), (402, 9201), (411, 9237), (429, 9297), (476, 9417), (484, 9438), (507, 9477), (523, 9531), (524, 9534), (530, 9552), (544, 9606), (551, 9636), (556, 9648), (598, 9738), (606, 9756), (642, 9885), (665, 9912), (666, 9915),

Gene: Scorpia_10 Start: 5985, Stop: 7736, Start Num: 32

Candidate Starts for Scorpia_10:

(Start: 29 @5958 has 19 MA's), (Start: 32 @5985 has 30 MA's), (58, 6045), (66, 6054), (Start: 90 @6093 has 1 MA's), (139, 6174), (191, 6306), (212, 6381), (214, 6384), (279, 6558), (310, 6690), (324, 6735), (344, 6813), (346, 6819), (388, 6984), (397, 7017), (403, 7038), (470, 7212), (480, 7236), (523, 7338), (530, 7359), (544, 7413), (551, 7443), (556, 7455), (577, 7509), (641, 7689), (642, 7692), (668, 7725), (670, 7731),

Gene: Scottish_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Scottish_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Scout_11 Start: 5791, Stop: 7488, Start Num: 54

Candidate Starts for Scout_11:

(Start: 54 @5791 has 363 MA's), (102, 5863), (198, 6061), (250, 6235), (258, 6247), (269, 6286), (278, 6298), (295, 6355), (300, 6379), (310, 6445), (313, 6454), (336, 6535), (380, 6700), (397, 6766), (403, 6787), (409, 6811), (411, 6820), (443, 6886), (470, 6961), (480, 6985), (481, 6988), (484, 6994), (488,

7003), (512, 7051), (523, 7090), (530, 7111), (556, 7207), (573, 7252), (577, 7261), (632, 7414), (642, 7444), (666, 7474), (668, 7477),

Gene: Scowl_12 Start: 7525, Stop: 9213, Start Num: 54

Candidate Starts for Scowl_12:

(Start: 54 @7525 has 363 MA's), (198, 7789), (201, 7813), (258, 7975), (267, 8008), (295, 8083), (310, 8173), (316, 8197), (328, 8224), (338, 8272), (360, 8341), (380, 8428), (395, 8488), (481, 8713), (486, 8722), (490, 8734), (512, 8776), (519, 8797), (529, 8824), (556, 8932), (598, 9022), (627, 9127),

Gene: Scuba_33 Start: 13019, Stop: 14698, Start Num: 82

Candidate Starts for Scuba_33:

(Start: 82 @13019 has 25 MA's), (Start: 86 @13025 has 6 MA's), (143, 13130), (167, 13172), (184, 13229), (202, 13298), (205, 13307), (223, 13379), (241, 13418), (260, 13478), (314, 13679), (328, 13724), (367, 13874), (371, 13886), (485, 14180), (496, 14213), (520, 14294), (558, 14417), (562, 14429), (595, 14492), (618, 14561), (627, 14603), (636, 14633), (661, 14675), (669, 14690),

Gene: Seabastian_2 Start: 605, Stop: 2218, Start Num: 101

Candidate Starts for Seabastian_2:

(Start: 86 @578 has 6 MA's), (Start: 88 @581 has 156 MA's), (Start: 101 @605 has 3 MA's), (Start: 121 @638 has 1 MA's), (Start: 134 @662 has 2 MA's), (136, 665), (168, 728), (184, 767), (208, 854), (209, 860), (224, 914), (238, 938), (241, 947), (242, 950), (245, 971), (251, 992), (276, 1064), (292, 1103), (303, 1172), (306, 1178), (314, 1208), (315, 1211), (316, 1220), (322, 1235), (328, 1253), (339, 1304), (365, 1397), (367, 1406), (422, 1577), (435, 1589), (470, 1673), (483, 1703), (485, 1706), (487, 1709), (512, 1766), (517, 1781), (519, 1787), (520, 1790), (523, 1805), (529, 1814), (545, 1883), (554, 1913), (558, 1922), (571, 1955), (583, 1988), (597, 2015), (611, 2048), (616, 2069), (618, 2075), (619, 2078), (623, 2099), (627, 2123), (630, 2132), (632, 2135), (660, 2192),

Gene: Seabiscuit_13 Start: 7054, Stop: 8742, Start Num: 54

Candidate Starts for Seabiscuit_13:

(Start: 54 @7054 has 363 MA's), (198, 7318), (201, 7342), (246, 7477), (258, 7504), (267, 7537), (295, 7612), (310, 7702), (316, 7726), (328, 7753), (338, 7801), (360, 7870), (380, 7957), (383, 7966), (395, 8017), (486, 8251), (490, 8263), (512, 8305), (519, 8326), (529, 8353), (556, 8461), (598, 8551), (627, 8656),

Gene: Seanderson_12 Start: 7498, Stop: 9186, Start Num: 54

Candidate Starts for Seanderson_12:

(Start: 54 @7498 has 363 MA's), (Start: 169 @7678 has 2 MA's), (198, 7762), (205, 7798), (212, 7825), (258, 7948), (295, 8056), (310, 8146), (316, 8170), (328, 8197), (338, 8245), (360, 8314), (376, 8389), (380, 8401), (395, 8461), (481, 8686), (486, 8695), (490, 8707), (512, 8749), (519, 8770), (529, 8797), (556, 8905), (598, 8995), (627, 9100),

Gene: Sebastisaurus_2 Start: 597, Stop: 2150, Start Num: 127

Candidate Starts for Sebastisaurus_2:

(Start: 127 @597 has 4 MA's), (170, 669), (211, 816), (215, 825), (226, 873), (227, 885), (245, 954), (258, 978), (266, 1008), (269, 1017), (289, 1062), (296, 1092), (300, 1113), (307, 1146), (318, 1191), (326, 1203), (341, 1266), (349, 1296), (372, 1356), (451, 1551), (453, 1554), (468, 1623), (491, 1674), (493, 1680), (499, 1689), (505, 1713), (511, 1731), (534, 1833), (535, 1836), (539, 1854), (544, 1881), (562, 1929), (600, 2010), (610, 2034), (612, 2037), (631, 2112), (638, 2133),

Gene: SemperFi_14 Start: 7814, Stop: 9601, Start Num: 55

Candidate Starts for SemperFi_14:

(Start: 55 @7814 has 222 MA's), (123, 7922), (133, 7943), (164, 8051), (212, 8213), (256, 8333), (258, 8336), (295, 8444), (310, 8534), (316, 8558), (352, 8675), (357, 8690), (439, 8990), (516, 9176), (523,

9203), (530, 9224), (556, 9320), (642, 9557), (665, 9584), (666, 9587),

Gene: SenorClean_10 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for SenorClean_10:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Serenity_11 Start: 6379, Stop: 8160, Start Num: 55

Candidate Starts for Serenity_11:

(Start: 55 @6379 has 222 MA's), (Start: 142 @6523 has 2 MA's), (155, 6568), (164, 6610), (172, 6634), (191, 6697), (207, 6751), (256, 6892), (258, 6895), (269, 6934), (295, 7003), (310, 7093), (316, 7117), (356, 7246), (357, 7249), (427, 7522), (523, 7762), (530, 7783), (551, 7867), (556, 7879), (642, 8116), (665, 8143), (666, 8146), (668, 8149),

Gene: Severus_10 Start: 4781, Stop: 6472, Start Num: 54

Candidate Starts for Severus_10:

(Start: 54 @4781 has 363 MA's), (Start: 74 @4805 has 1 MA's), (Start: 142 @4928 has 2 MA's), (176, 4997), (191, 5048), (198, 5060), (207, 5102), (212, 5123), (243, 5201), (258, 5246), (269, 5285), (292, 5333), (295, 5354), (300, 5378), (310, 5429), (346, 5552), (387, 5699), (399, 5759), (411, 5804), (469, 5942), (470, 5945), (493, 5999), (512, 6035), (523, 6074), (530, 6095), (556, 6191), (583, 6260), (642, 6428), (666, 6458), (668, 6461),

Gene: Shaffner_2 Start: 545, Stop: 2242, Start Num: 75

Candidate Starts for Shaffner_2:

(6, 242), (Start: 75 @545 has 41 MA's), (Start: 132 @632 has 1 MA's), (240, 917), (258, 974), (269, 1016), (302, 1112), (313, 1166), (346, 1286), (367, 1376), (390, 1415), (470, 1661), (516, 1772), (537, 1841), (556, 1916), (563, 1931), (605, 2057), (626, 2141), (634, 2165),

Gene: Shaka_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Shaka_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: ShakeltOph_2 Start: 550, Stop: 2277, Start Num: 53

Candidate Starts for ShakeltOph_2:

(31, 490), (Start: 53 @550 has 92 MA's), (Start: 132 @661 has 1 MA's), (232, 925), (235, 934), (248, 985), (258, 1003), (274, 1051), (302, 1144), (481, 1720), (537, 1873), (556, 1948), (563, 1963), (605, 2092), (634, 2200), (666, 2263),

Gene: Sham4_12 Start: 8027, Stop: 9790, Start Num: 55

Candidate Starts for Sham4_12:

(Start: 55 @8027 has 222 MA's), (Start: 72 @8048 has 5 MA's), (123, 8135), (164, 8264), (172, 8288), (191, 8351), (241, 8495), (256, 8546), (258, 8549), (295, 8660), (300, 8684), (301, 8687), (310, 8750), (313, 8759), (316, 8774), (352, 8891), (357, 8906), (368, 8966), (392, 9050), (476, 9278), (480, 9290), (507, 9338), (512, 9353), (523, 9392), (530, 9413), (540, 9452), (551, 9497), (556, 9509), (642, 9746), (665, 9773),

Gene: Shapes_14 Start: 6755, Stop: 8446, Start Num: 54

Candidate Starts for Shapes_14:

(Start: 54 @6755 has 363 MA's), (Start: 74 @6779 has 1 MA's), (Start: 142 @6902 has 2 MA's), (175, 6968), (191, 7022), (198, 7034), (208, 7079), (230, 7133), (239, 7160), (243, 7175), (258, 7220), (269, 7259), (292, 7307), (295, 7328), (300, 7352), (310, 7403), (346, 7526), (387, 7673), (399, 7733), (411, 7778), (443, 7844), (470, 7919), (480, 7943), (512, 8009), (530, 8069), (556, 8165), (577, 8219), (642, 8402), (666, 8432), (668, 8435),

Gene: Shauna1_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Shauna1_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Shawty_2 Start: 588, Stop: 2165, Start Num: 122

Candidate Starts for Shawty_2:

(Start: 122 @588 has 3 MA's), (199, 771), (200, 774), (215, 825), (217, 831), (226, 873), (227, 885), (245, 954), (258, 978), (259, 981), (266, 1008), (278, 1029), (289, 1062), (298, 1107), (307, 1146), (318, 1191), (320, 1197), (372, 1356), (409, 1467), (421, 1512), (451, 1557), (453, 1560), (491, 1680), (493, 1686), (534, 1839), (600, 2016), (612, 2043), (628, 2115), (644, 2160),

Gene: ShayRa_15 Start: 6808, Stop: 8505, Start Num: 55

Candidate Starts for ShayRa_15:

(Start: 55 @6808 has 222 MA's), (71, 6826), (166, 6988), (241, 7213), (258, 7267), (295, 7375), (301, 7402), (310, 7465), (316, 7489), (480, 8005), (512, 8068), (524, 8110), (556, 8224), (605, 8329), (642, 8461), (665, 8488), (666, 8491), (668, 8494),

Gene: SheaKeira_12 Start: 6325, Stop: 8097, Start Num: 68

Candidate Starts for SheaKeira_12:

(Start: 55 @6310 has 222 MA's), (Start: 68 @6325 has 32 MA's), (Start: 72 @6331 has 5 MA's), (139, 6442), (164, 6541), (212, 6703), (241, 6775), (258, 6829), (269, 6868), (295, 6940), (307, 7012), (310, 7030), (316, 7054), (352, 7171), (357, 7186), (383, 7294), (402, 7369), (429, 7465), (448, 7501), (484, 7606), (507, 7645), (516, 7672), (523, 7699), (524, 7702), (530, 7720), (544, 7774), (551, 7804), (556, 7816), (598, 7906), (606, 7924), (642, 8053), (665, 8080), (666, 8083),

Gene: SheckWes_3 Start: 948, Stop: 2573, Start Num: 132

Candidate Starts for SheckWes_3:

(Start: 103 @897 has 70 MA's), (Start: 132 @948 has 1 MA's), (141, 969), (167, 1014), (235, 1221), (243, 1254), (252, 1290), (258, 1299), (259, 1302), (267, 1335), (273, 1350), (302, 1449), (304, 1470), (314, 1506), (319, 1527), (331, 1563), (349, 1629), (363, 1683), (409, 1863), (416, 1896), (459, 1962), (473, 2028), (476, 2034), (537, 2199), (544, 2232), (569, 2301), (605, 2379), (606, 2382), (629, 2472), (632, 2478), (637, 2499), (666, 2559), (668, 2562),

Gene: Sheen_13 Start: 8359, Stop: 10059, Start Num: 54

Candidate Starts for Sheen_13:

(Start: 54 @8359 has 363 MA's), (Start: 95 @8422 has 23 MA's), (176, 8566), (185, 8596), (198, 8629), (212, 8692), (258, 8815), (262, 8830), (295, 8923), (300, 8947), (310, 9013), (357, 9169), (380, 9268), (403, 9355), (411, 9388), (438, 9442), (446, 9457), (469, 9526), (470, 9529), (480, 9553), (516, 9631),

(556, 9775), (573, 9820), (606, 9883), (632, 9982), (642, 10012), (666, 10045),

Gene: SheldonCooper_11 Start: 6862, Stop: 8559, Start Num: 54

Candidate Starts for SheldonCooper_11:

(Start: 54 @6862 has 363 MA's), (Start: 74 @6886 has 1 MA's), (Start: 142 @7009 has 2 MA's), (185, 7099), (198, 7132), (256, 7315), (258, 7318), (269, 7357), (295, 7426), (300, 7450), (310, 7516), (336, 7606), (380, 7771), (403, 7858), (411, 7891), (443, 7957), (469, 8029), (470, 8032), (480, 8056), (507, 8107), (512, 8122), (523, 8161), (530, 8182), (556, 8278), (642, 8515), (666, 8545), (668, 8548),

Gene: ShiLan_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for ShiLan_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (538, 1844), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: ShortQueendom_10 Start: 6640, Stop: 8328, Start Num: 54

Candidate Starts for ShortQueendom_10:

(Start: 54 @6640 has 363 MA's), (Start: 169 @6820 has 2 MA's), (198, 6904), (205, 6940), (258, 7090), (295, 7198), (310, 7288), (316, 7312), (338, 7387), (360, 7456), (380, 7543), (395, 7603), (486, 7837), (490, 7849), (512, 7891), (519, 7912), (529, 7939), (556, 8047), (598, 8137), (627, 8242),

Gene: ShowerHandel_2 Start: 573, Stop: 2210, Start Num: 88

Candidate Starts for ShowerHandel_2:

(Start: 88 @573 has 156 MA's), (91, 582), (Start: 101 @597 has 3 MA's), (Start: 114 @618 has 1 MA's), (Start: 134 @654 has 2 MA's), (136, 657), (143, 675), (168, 720), (184, 759), (208, 846), (224, 906), (238, 930), (241, 939), (242, 942), (245, 963), (251, 984), (260, 999), (276, 1056), (292, 1095), (303, 1164), (306, 1170), (314, 1200), (315, 1203), (316, 1212), (322, 1227), (328, 1245), (339, 1296), (365, 1389), (367, 1398), (422, 1569), (435, 1581), (470, 1665), (483, 1695), (485, 1698), (487, 1701), (512, 1758), (517, 1773), (519, 1779), (520, 1782), (523, 1797), (529, 1806), (538, 1845), (545, 1875), (554, 1905), (558, 1914), (571, 1947), (583, 1980), (597, 2007), (611, 2040), (619, 2070), (623, 2091), (627, 2115), (630, 2124), (632, 2127), (660, 2184),

Gene: ShroomBoi_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for ShroomBoi_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Shuman_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Shuman_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662),

(630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Shygu2_11 Start: 6887, Stop: 8584, Start Num: 54

Candidate Starts for Shygu2_11:

(Start: 54 @6887 has 363 MA's), (Start: 74 @6911 has 1 MA's), (198, 7157), (256, 7340), (258, 7343), (269, 7382), (295, 7451), (300, 7475), (310, 7541), (336, 7631), (380, 7796), (403, 7883), (411, 7916), (458, 8009), (470, 8057), (480, 8081), (512, 8147), (523, 8186), (530, 8207), (556, 8303), (641, 8537), (642, 8540), (666, 8570), (668, 8573),

Gene: SiSi_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for SiSi_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 114 @617 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (143, 674), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Sibs6_13 Start: 7273, Stop: 8961, Start Num: 61

Candidate Starts for Sibs6_13:

(Start: 61 @7273 has 24 MA's), (166, 7444), (Start: 169 @7453 has 2 MA's), (198, 7537), (202, 7564), (205, 7573), (258, 7723), (267, 7756), (295, 7831), (310, 7921), (316, 7945), (328, 7972), (338, 8020), (380, 8176), (395, 8236), (481, 8461), (486, 8470), (490, 8482), (512, 8524), (519, 8545), (529, 8572), (556, 8680), (598, 8770), (627, 8875),

Gene: Simpson_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Simpson_2:

(Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1649), (556, 1904), (563, 1919), (583, 1973), (605, 2054), (626, 2138), (634, 2162),

Gene: SketchMex_3 Start: 1110, Stop: 2789, Start Num: 103

Candidate Starts for SketchMex_3:

(Start: 103 @1110 has 70 MA's), (Start: 132 @1161 has 1 MA's), (141, 1182), (165, 1221), (191, 1308), (204, 1353), (210, 1374), (212, 1383), (239, 1455), (252, 1506), (258, 1515), (273, 1566), (302, 1665), (304, 1686), (313, 1719), (327, 1755), (363, 1899), (373, 1935), (384, 1974), (390, 2007), (403, 2055), (416, 2112), (442, 2145), (459, 2178), (473, 2244), (476, 2250), (506, 2316), (510, 2328), (537, 2415), (567, 2511), (591, 2559), (618, 2634), (637, 2715), (666, 2775), (668, 2778),

Gene: SkiPole_13 Start: 7147, Stop: 8835, Start Num: 54

Candidate Starts for SkiPole_13:

(Start: 54 @7147 has 363 MA's), (198, 7411), (201, 7435), (258, 7597), (267, 7630), (295, 7705), (310, 7795), (316, 7819), (338, 7894), (380, 8050), (383, 8059), (394, 8107), (395, 8110), (486, 8344), (490, 8356), (512, 8398), (519, 8419), (529, 8446), (556, 8554), (598, 8644), (627, 8749),

Gene: Skipitt_11 Start: 7031, Stop: 8581, Start Num: 142

Candidate Starts for Skipitt_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Sknot_13 Start: 7484, Stop: 9271, Start Num: 55

Candidate Starts for Sknot_13:

(10, 7298), (27, 7400), (Start: 55 @7484 has 222 MA's), (123, 7592), (133, 7613), (164, 7721), (258, 8006), (295, 8114), (310, 8204), (316, 8228), (338, 8303), (352, 8345), (357, 8360), (469, 8744), (470, 8747), (523, 8873), (530, 8894), (551, 8978), (556, 8990), (642, 9227), (665, 9254), (666, 9257), (668, 9260), (669, 9263),

Gene: Skysand_26 Start: 13268, Stop: 14947, Start Num: 84

Candidate Starts for Skysand_26:

(Start: 84 @13268 has 10 MA's), (167, 13418), (184, 13475), (192, 13502), (197, 13514), (205, 13553), (212, 13586), (314, 13928), (322, 13955), (367, 14123), (371, 14135), (381, 14168), (408, 14246), (458, 14348), (496, 14462), (520, 14543), (523, 14558), (537, 14600), (558, 14666), (562, 14678), (576, 14714), (595, 14741), (618, 14810), (619, 14813), (636, 14882),

Gene: Slagathor_12 Start: 6925, Stop: 8613, Start Num: 54

Candidate Starts for Slagathor_12:

(Start: 54 @6925 has 363 MA's), (198, 7189), (201, 7213), (258, 7375), (267, 7408), (295, 7483), (310, 7573), (316, 7597), (328, 7624), (338, 7672), (376, 7816), (380, 7828), (395, 7888), (486, 8122), (490, 8134), (512, 8176), (519, 8197), (529, 8224), (556, 8332), (598, 8422), (627, 8527),

Gene: Smairt_12 Start: 7444, Stop: 9132, Start Num: 54

Candidate Starts for Smairt_12:

(Start: 54 @7444 has 363 MA's), (Start: 169 @7624 has 2 MA's), (198, 7708), (205, 7744), (212, 7771), (258, 7894), (295, 8002), (310, 8092), (316, 8116), (338, 8191), (380, 8347), (395, 8407), (481, 8632), (486, 8641), (490, 8653), (512, 8695), (519, 8716), (529, 8743), (556, 8851), (598, 8941), (627, 9046),

Gene: Smeadley_9 Start: 5701, Stop: 7455, Start Num: 32

Candidate Starts for Smeadley_9:

(Start: 32 @5701 has 30 MA's), (49, 5743), (73, 5782), (139, 5890), (212, 6097), (287, 6298), (310, 6406), (346, 6535), (388, 6700), (397, 6733), (446, 6853), (470, 6928), (519, 7039), (523, 7057), (530, 7078), (544, 7132), (556, 7174), (583, 7243), (605, 7279), (630, 7378), (642, 7411), (668, 7444), (670, 7450),

Gene: Smeagan_14 Start: 7883, Stop: 9670, Start Num: 55

Candidate Starts for Smeagan_14:

(Start: 55 @7883 has 222 MA's), (123, 7991), (133, 8012), (155, 8078), (156, 8084), (164, 8120), (191, 8207), (256, 8402), (258, 8405), (295, 8513), (310, 8603), (316, 8627), (338, 8702), (352, 8744), (357, 8759), (439, 9059), (516, 9245), (523, 9272), (530, 9293), (556, 9389), (642, 9626), (666, 9656),

Gene: Smeagol_12 Start: 7865, Stop: 9553, Start Num: 54

Candidate Starts for Smeagol_12:

(Start: 54 @7865 has 363 MA's), (Start: 169 @8045 has 2 MA's), (198, 8129), (205, 8165), (212, 8192), (258, 8315), (295, 8423), (310, 8513), (316, 8537), (328, 8564), (338, 8612), (380, 8768), (395, 8828), (481, 9053), (486, 9062), (490, 9074), (512, 9116), (519, 9137), (529, 9164), (556, 9272), (598, 9362), (627, 9467),

Gene: SmellyB_15 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for SmellyB_15:

(Start: 55 @7533 has 222 MA's), (164, 7764), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (346, 8370), (347, 8373), (356, 8400), (357, 8403), (443, 8688), (476, 8775), (480, 8787), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: Smoothie_31 Start: 8683, Stop: 10431, Start Num: 95

Candidate Starts for Smoothie_31:

(Start: 95 @8683 has 23 MA's), (112, 8713), (177, 8842), (225, 9028), (233, 9067), (242, 9091), (247, 9121), (256, 9139), (264, 9166), (274, 9196), (327, 9388), (330, 9406), (370, 9568), (393, 9616), (398, 9631), (457, 9814), (459, 9820), (480, 9904), (515, 9991), (524, 10024), (555, 10138), (569, 10174), (577, 10198), (586, 10213), (646, 10387), (653, 10393),

Gene: SnapTap_12 Start: 7386, Stop: 9173, Start Num: 55

Candidate Starts for SnapTap_12:

(Start: 55 @7386 has 222 MA's), (123, 7494), (133, 7515), (164, 7623), (212, 7785), (256, 7905), (258, 7908), (295, 8016), (310, 8106), (316, 8130), (352, 8247), (357, 8262), (439, 8562), (516, 8748), (523, 8775), (530, 8796), (556, 8892), (642, 9129), (665, 9156), (666, 9159),

Gene: Snape_12 Start: 8027, Stop: 9790, Start Num: 55

Candidate Starts for Snape_12:

(Start: 55 @8027 has 222 MA's), (Start: 72 @8048 has 5 MA's), (123, 8135), (164, 8264), (172, 8288), (191, 8351), (241, 8495), (256, 8546), (258, 8549), (295, 8660), (300, 8684), (301, 8687), (310, 8750), (313, 8759), (316, 8774), (352, 8891), (357, 8906), (368, 8966), (392, 9050), (443, 9191), (476, 9278), (480, 9290), (507, 9338), (512, 9353), (523, 9392), (530, 9413), (540, 9452), (551, 9497), (556, 9509), (642, 9746), (665, 9773),

Gene: Snazzy_9 Start: 6454, Stop: 8142, Start Num: 54

Candidate Starts for Snazzy_9:

(Start: 54 @6454 has 363 MA's), (198, 6718), (201, 6742), (258, 6904), (267, 6937), (295, 7012), (310, 7102), (316, 7126), (338, 7201), (380, 7357), (383, 7366), (394, 7414), (395, 7417), (481, 7642), (486, 7651), (490, 7663), (512, 7705), (519, 7726), (529, 7753), (556, 7861), (598, 7951), (627, 8056),

Gene: Snek_3 Start: 1419, Stop: 3110, Start Num: 75

Candidate Starts for Snek_3:

(Start: 75 @1419 has 41 MA's), (93, 1449), (120, 1485), (175, 1596), (235, 1779), (240, 1791), (258, 1848), (289, 1932), (302, 1989), (458, 2478), (546, 2745), (556, 2781), (563, 2796), (605, 2925), (613, 2946), (634, 3033),

Gene: Snickers_13 Start: 6931, Stop: 8631, Start Num: 57

Candidate Starts for Snickers_13:

(Start: 57 @6931 has 139 MA's), (Start: 89 @6979 has 4 MA's), (166, 7114), (230, 7306), (258, 7393), (310, 7591), (336, 7681), (356, 7744), (395, 7906), (470, 8104), (480, 8128), (481, 8131), (512, 8194), (519, 8215), (530, 8254), (556, 8350), (577, 8404), (598, 8440), (642, 8587), (666, 8617), (668, 8620),

Gene: Snorlax_6 Start: 2376, Stop: 4022, Start Num: 53

Candidate Starts for Snorlax_6:

(Start: 53 @2376 has 92 MA's), (Start: 68 @2394 has 32 MA's), (Start: 142 @2526 has 2 MA's), (180, 2598), (191, 2634), (248, 2814), (259, 2835), (277, 2880), (292, 2922), (304, 2994), (310, 3018), (339, 3117), (344, 3132), (352, 3156), (354, 3162), (407, 3330), (470, 3480), (479, 3501), (507, 3564), (516, 3591), (546, 3699), (556, 3738), (567, 3759), (569, 3765), (573, 3783), (616, 3879), (630, 3939), (670, 4017),

Gene: SoYo_13 Start: 6868, Stop: 8568, Start Num: 57

Candidate Starts for SoYo_13:

(Start: 57 @6868 has 139 MA's), (Start: 89 @6916 has 4 MA's), (166, 7051), (230, 7243), (258, 7330), (310, 7528), (336, 7618), (356, 7681), (395, 7843), (470, 8041), (480, 8065), (481, 8068), (512, 8131), (519, 8152), (530, 8191), (556, 8287), (577, 8341), (598, 8377), (642, 8524), (666, 8554), (668, 8557),

Gene: Socotra_5 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for Socotra_5:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (Start: 142 @1188 has 2 MA's), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (384, 1977), (390, 2010), (403, 2058), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: SoilDragon_13 Start: 6642, Stop: 8342, Start Num: 57

Candidate Starts for SoilDragon_13:

(Start: 57 @6642 has 139 MA's), (Start: 89 @6690 has 4 MA's), (166, 6825), (230, 7017), (258, 7104), (310, 7302), (336, 7392), (356, 7455), (395, 7617), (470, 7815), (480, 7839), (481, 7842), (512, 7905), (519, 7926), (530, 7965), (556, 8061), (577, 8115), (598, 8151), (642, 8298), (666, 8328), (668, 8331),

Gene: Solon_11 Start: 7606, Stop: 9294, Start Num: 54

Candidate Starts for Solon_11:

(Start: 54 @7606 has 363 MA's), (198, 7870), (201, 7894), (258, 8056), (267, 8089), (295, 8164), (310, 8254), (316, 8278), (328, 8305), (338, 8353), (380, 8509), (395, 8569), (486, 8803), (490, 8815), (512, 8857), (519, 8878), (529, 8905), (556, 9013), (598, 9103), (627, 9208),

Gene: Soondubu_2 Start: 568, Stop: 2274, Start Num: 75

Candidate Starts for Soondubu_2:

(Start: 75 @568 has 41 MA's), (191, 793), (235, 922), (258, 991), (267, 1027), (274, 1039), (302, 1132), (313, 1186), (367, 1396), (556, 1942), (563, 1957), (626, 2173), (634, 2197), (638, 2212), (666, 2260),

Gene: Sooty_2 Start: 593, Stop: 2281, Start Num: 79

Candidate Starts for Sooty_2:

(Start: 79 @593 has 10 MA's), (187, 794), (235, 938), (243, 962), (258, 1007), (291, 1094), (302, 1148), (309, 1187), (346, 1322), (371, 1424), (412, 1535), (457, 1646), (470, 1697), (556, 1952), (563, 1967), (630, 2192), (634, 2204), (638, 2219),

Gene: Sopespian_4 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for Sopespian_4:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (Start: 142 @1188 has 2 MA's), (165, 1224), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (384, 1977), (390, 2010), (403, 2058), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: SororFago_11 Start: 6539, Stop: 8296, Start Num: 55

Candidate Starts for SororFago_11:

(Start: 55 @6539 has 222 MA's), (126, 6647), (139, 6671), (154, 6725), (157, 6737), (158, 6746), (162, 6755), (164, 6770), (180, 6821), (212, 6932), (256, 7052), (258, 7055), (295, 7166), (300, 7190), (310, 7256), (316, 7280), (336, 7346), (357, 7412), (383, 7520), (402, 7595), (470, 7772), (476, 7784), (480, 7796), (481, 7799), (484, 7805), (512, 7859), (523, 7898), (556, 8015), (583, 8084), (642, 8252), (665, 8279),

Gene: Sorpresa_11 Start: 6972, Stop: 8660, Start Num: 54

Candidate Starts for Sorpresa_11:

(Start: 54 @6972 has 363 MA's), (Start: 169 @7152 has 2 MA's), (198, 7236), (205, 7272), (212, 7299), (258, 7422), (295, 7530), (310, 7620), (316, 7644), (328, 7671), (338, 7719), (380, 7875), (395, 7935),

(481, 8160), (486, 8169), (490, 8181), (512, 8223), (519, 8244), (529, 8271), (556, 8379), (598, 8469), (627, 8574),

Gene: Soshari_15 Start: 7040, Stop: 8740, Start Num: 57

Candidate Starts for Soshari_15:

(Start: 57 @7040 has 139 MA's), (Start: 89 @7088 has 4 MA's), (166, 7223), (230, 7415), (258, 7502), (310, 7700), (336, 7790), (356, 7853), (395, 8015), (470, 8213), (480, 8237), (481, 8240), (512, 8303), (519, 8324), (530, 8363), (556, 8459), (577, 8513), (598, 8549), (642, 8696), (666, 8726), (668, 8729),

Gene: Soups_14 Start: 6808, Stop: 8505, Start Num: 55

Candidate Starts for Soups_14:

(Start: 55 @6808 has 222 MA's), (71, 6826), (166, 6988), (212, 7144), (241, 7213), (258, 7267), (295, 7375), (301, 7402), (310, 7465), (316, 7489), (480, 8005), (512, 8068), (524, 8110), (556, 8224), (605, 8329), (642, 8461), (665, 8488), (666, 8491), (668, 8494),

Gene: South40_7 Start: 2648, Stop: 4294, Start Num: 53

Candidate Starts for South40_7:

(Start: 53 @2648 has 92 MA's), (Start: 68 @2666 has 32 MA's), (180, 2870), (204, 2951), (248, 3086), (259, 3107), (277, 3152), (292, 3194), (304, 3266), (310, 3290), (339, 3389), (357, 3443), (367, 3500), (407, 3602), (431, 3662), (450, 3689), (479, 3773), (484, 3785), (516, 3863), (528, 3896), (546, 3971), (556, 4010), (567, 4031), (569, 4037), (573, 4055), (616, 4151), (630, 4211),

Gene: Sparkdehlily_2 Start: 588, Stop: 2225, Start Num: 88

Candidate Starts for Sparkdehlily_2:

(Start: 88 @588 has 156 MA's), (94, 603), (Start: 101 @612 has 3 MA's), (Start: 105 @618 has 1 MA's), (Start: 121 @645 has 1 MA's), (Start: 134 @669 has 2 MA's), (136, 672), (168, 735), (174, 753), (184, 774), (208, 861), (209, 867), (224, 921), (233, 933), (238, 945), (241, 954), (242, 957), (245, 978), (251, 999), (276, 1071), (292, 1110), (303, 1179), (306, 1185), (314, 1215), (315, 1218), (316, 1227), (322, 1242), (328, 1260), (339, 1311), (367, 1413), (422, 1584), (435, 1596), (470, 1680), (483, 1710), (485, 1713), (487, 1716), (512, 1773), (517, 1788), (519, 1794), (520, 1797), (523, 1812), (529, 1821), (545, 1890), (554, 1920), (558, 1929), (571, 1962), (583, 1995), (597, 2022), (611, 2055), (618, 2082), (619, 2085), (623, 2106), (627, 2130), (630, 2139), (632, 2142), (660, 2199),

Gene: Sparky_2 Start: 507, Stop: 2288, Start Num: 54

Candidate Starts for Sparky_2:

(Start: 54 @507 has 363 MA's), (125, 612), (201, 831), (205, 843), (212, 870), (239, 936), (241, 942), (242, 945), (247, 975), (258, 996), (280, 1053), (303, 1155), (313, 1191), (327, 1239), (341, 1299), (364, 1389), (371, 1419), (397, 1473), (416, 1551), (470, 1659), (479, 1680), (484, 1692), (490, 1710), (523, 1809), (533, 1863), (536, 1878), (546, 1920), (556, 1968), (569, 1992), (581, 2028), (599, 2097), (604, 2103), (605, 2109), (621, 2160), (627, 2196), (629, 2202), (634, 2217), (641, 2235), (651, 2250),

Gene: Spartacus_2 Start: 575, Stop: 2212, Start Num: 88

Candidate Starts for Spartacus_2:

(Start: 88 @575 has 156 MA's), (91, 584), (Start: 101 @599 has 3 MA's), (Start: 114 @620 has 1 MA's), (Start: 121 @632 has 1 MA's), (Start: 134 @656 has 2 MA's), (136, 659), (143, 677), (168, 722), (184, 761), (208, 848), (224, 908), (233, 920), (238, 932), (241, 941), (242, 944), (245, 965), (251, 986), (260, 1001), (276, 1058), (292, 1097), (303, 1166), (306, 1172), (314, 1202), (315, 1205), (316, 1214), (322, 1229), (328, 1247), (339, 1298), (365, 1391), (367, 1400), (422, 1571), (435, 1583), (449, 1601), (470, 1667), (483, 1697), (485, 1700), (487, 1703), (512, 1760), (517, 1775), (519, 1781), (520, 1784), (523, 1799), (529, 1808), (545, 1877), (554, 1907), (558, 1916), (571, 1949), (583, 1982), (597, 2009), (611, 2042), (618, 2069), (619, 2072), (623, 2093), (627, 2117), (630, 2126), (632, 2129), (660, 2186),

Gene: Sparxx_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Sparxx_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: SpecialK_2 Start: 594, Stop: 2282, Start Num: 79

Candidate Starts for SpecialK_2:

(Start: 79 @594 has 10 MA's), (235, 939), (243, 963), (258, 1008), (291, 1095), (302, 1149), (309, 1188), (346, 1323), (371, 1425), (457, 1647), (470, 1698), (546, 1917), (556, 1953), (563, 1968), (630, 2193), (634, 2205), (638, 2220), (668, 2271),

Gene: SpeedDemon_130 Start: 6395, Stop: 8131, Start Num: 95

Candidate Starts for SpeedDemon_130:

(Start: 95 @6395 has 23 MA's), (139, 6467), (167, 6524), (207, 6656), (230, 6767), (242, 6803), (270, 6899), (310, 7043), (317, 7070), (330, 7118), (338, 7151), (394, 7325), (405, 7370), (555, 7841), (605, 7949), (630, 8045),

Gene: Speedwell_7 Start: 2470, Stop: 4116, Start Num: 53

Candidate Starts for Speedwell_7:

(Start: 50 @2461 has 1 MA's), (Start: 53 @2470 has 92 MA's), (Start: 54 @2473 has 363 MA's), (Start: 68 @2488 has 32 MA's), (102, 2545), (180, 2692), (204, 2773), (205, 2776), (248, 2908), (252, 2917), (258, 2926), (259, 2929), (310, 3112), (339, 3211), (357, 3265), (368, 3325), (392, 3364), (407, 3424), (446, 3505), (470, 3574), (479, 3595), (504, 3655), (507, 3658), (523, 3712), (530, 3733), (546, 3793), (556, 3832), (569, 3859), (573, 3877), (636, 4054),

Gene: Spike509_13 Start: 7041, Stop: 8741, Start Num: 57

Candidate Starts for Spike509_13:

(Start: 57 @7041 has 139 MA's), (Start: 89 @7089 has 4 MA's), (166, 7224), (230, 7416), (258, 7503), (310, 7701), (336, 7791), (356, 7854), (395, 8016), (470, 8214), (480, 8238), (481, 8241), (512, 8304), (519, 8325), (530, 8364), (556, 8460), (577, 8514), (598, 8550), (642, 8697), (666, 8727), (668, 8730),

Gene: SpikeBT_13 Start: 7909, Stop: 9597, Start Num: 61

Candidate Starts for SpikeBT_13:

(Start: 61 @7909 has 24 MA's), (Start: 169 @8089 has 2 MA's), (198, 8173), (202, 8200), (205, 8209), (258, 8359), (267, 8392), (295, 8467), (310, 8557), (316, 8581), (328, 8608), (338, 8656), (360, 8725), (380, 8812), (395, 8872), (481, 9097), (486, 9106), (490, 9118), (512, 9160), (519, 9181), (529, 9208), (556, 9316), (598, 9406), (627, 9511),

Gene: Spino_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Spino_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Spooks_48 Start: 26688, Stop: 28250, Start Num: 97

Candidate Starts for Spooks_48:

(Start: 97 @26688 has 1 MA's), (176, 26841), (202, 26931), (248, 27072), (250, 27078), (258, 27090), (277, 27141), (301, 27234), (302, 27237), (304, 27258), (344, 27405), (416, 27633), (476, 27756), (523, 27879), (567, 27990), (578, 28026), (630, 28170), (633, 28179), (652, 28215), (666, 28239),

Gene: Spoonbill_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Spoonbill_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Spouty_13 Start: 8139, Stop: 9926, Start Num: 55

Candidate Starts for Spouty_13:

(Start: 55 @8139 has 222 MA's), (Start: 68 @8154 has 32 MA's), (Start: 72 @8160 has 5 MA's), (139, 8271), (164, 8370), (212, 8532), (241, 8604), (258, 8658), (269, 8697), (295, 8769), (310, 8859), (316, 8883), (352, 9000), (357, 9015), (383, 9123), (402, 9198), (411, 9234), (429, 9294), (476, 9414), (484, 9435), (507, 9474), (523, 9528), (524, 9531), (530, 9549), (544, 9603), (551, 9633), (556, 9645), (598, 9735), (606, 9753), (642, 9882), (665, 9909), (666, 9912),

Gene: SqueakyClean_7 Start: 2449, Stop: 4095, Start Num: 53

Candidate Starts for SqueakyClean_7:

(Start: 53 @2449 has 92 MA's), (187, 2692), (191, 2707), (198, 2719), (209, 2770), (239, 2845), (248, 2887), (250, 2893), (259, 2908), (292, 2995), (304, 3067), (310, 3091), (339, 3190), (349, 3226), (357, 3244), (398, 3367), (407, 3403), (476, 3565), (479, 3574), (507, 3637), (523, 3691), (546, 3772), (556, 3811), (567, 3832), (573, 3856), (629, 4009), (630, 4012),

Gene: Squee_12 Start: 7450, Stop: 9138, Start Num: 54

Candidate Starts for Squee_12:

(Start: 54 @7450 has 363 MA's), (Start: 169 @7630 has 2 MA's), (198, 7714), (205, 7750), (212, 7777), (246, 7873), (258, 7900), (267, 7933), (295, 8008), (310, 8098), (316, 8122), (338, 8197), (380, 8353), (383, 8362), (395, 8413), (486, 8647), (490, 8659), (512, 8701), (519, 8722), (529, 8749), (556, 8857), (598, 8947), (627, 9052),

Gene: StAnnes_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for StAnnes_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: StCroix_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for StCroix_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (446, 4236), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Stagni_13 Start: 6959, Stop: 8659, Start Num: 57

Candidate Starts for Stagni_13:

(Start: 57 @6959 has 139 MA's), (Start: 89 @7007 has 4 MA's), (166, 7142), (230, 7334), (258, 7421), (310, 7619), (336, 7709), (356, 7772), (395, 7934), (470, 8132), (480, 8156), (481, 8159), (512, 8222), (519, 8243), (530, 8282), (556, 8378), (577, 8432), (598, 8468), (642, 8615), (666, 8645), (668, 8648),

Gene: StarStruck_25 Start: 12805, Stop: 14535, Start Num: 82

Candidate Starts for StarStruck_25:

(Start: 82 @12805 has 25 MA's), (Start: 86 @12811 has 6 MA's), (183, 13006), (184, 13012), (197, 13051), (202, 13081), (212, 13123), (253, 13300), (314, 13516), (322, 13543), (367, 13711), (371, 13723), (381, 13756), (408, 13834), (485, 14017), (496, 14050), (502, 14080), (520, 14131), (532, 14179), (558, 14254), (562, 14266), (576, 14302), (627, 14440), (636, 14470),

Gene: StarStuff_15 Start: 7375, Stop: 9162, Start Num: 55

Candidate Starts for StarStuff_15:

(16, 7216), (19, 7243), (Start: 55 @7375 has 222 MA's), (123, 7483), (133, 7504), (155, 7570), (164, 7612), (191, 7699), (256, 7894), (258, 7897), (295, 8005), (310, 8095), (316, 8119), (346, 8218), (356, 8248), (357, 8251), (386, 8362), (439, 8551), (507, 8710), (512, 8725), (516, 8737), (523, 8764), (530, 8785), (551, 8869), (556, 8881), (598, 8971), (642, 9118), (665, 9145), (666, 9148),

Gene: Starburst_5 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for Starburst_5:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (Start: 142 @1188 has 2 MA's), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (384, 1977), (390, 2010), (403, 2058), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (519, 2358), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: Stasia_12 Start: 7329, Stop: 9026, Start Num: 54

Candidate Starts for Stasia_12:

(Start: 54 @7329 has 363 MA's), (Start: 74 @7353 has 1 MA's), (198, 7599), (256, 7782), (258, 7785), (269, 7824), (295, 7893), (300, 7917), (310, 7983), (313, 7992), (336, 8073), (346, 8106), (380, 8238), (403, 8325), (411, 8358), (443, 8424), (470, 8499), (480, 8523), (512, 8589), (516, 8601), (523, 8628), (530, 8649), (556, 8745), (583, 8814), (642, 8982), (666, 9012), (668, 9015),

Gene: SteamedHams_6 Start: 1120, Stop: 2799, Start Num: 103

Candidate Starts for SteamedHams_6:

(Start: 103 @1120 has 70 MA's), (Start: 132 @1171 has 1 MA's), (141, 1192), (Start: 142 @1195 has 2 MA's), (167, 1237), (187, 1303), (204, 1363), (210, 1384), (212, 1393), (243, 1480), (252, 1516), (258, 1525), (273, 1576), (302, 1675), (304, 1696), (313, 1729), (327, 1765), (363, 1909), (373, 1945), (384, 1984), (419, 2131), (442, 2155), (473, 2254), (510, 2338), (537, 2425), (567, 2521), (591, 2569), (599, 2593), (637, 2725), (666, 2785), (668, 2788),

Gene: Steamy_13 Start: 7952, Stop: 9736, Start Num: 55

Candidate Starts for Steamy_13:

(Start: 55 @7952 has 222 MA's), (139, 8081), (164, 8180), (172, 8204), (191, 8267), (212, 8342), (243, 8423), (258, 8468), (269, 8507), (295, 8579), (310, 8669), (316, 8693), (346, 8792), (352, 8810), (357, 8825), (470, 9212), (507, 9284), (512, 9299), (523, 9338), (524, 9341), (530, 9359), (556, 9455), (641, 9689), (642, 9692), (665, 9719), (666, 9722), (668, 9725),

Gene: StepMih_13 Start: 6950, Stop: 8650, Start Num: 57

Candidate Starts for StepMih_13:

(Start: 57 @6950 has 139 MA's), (Start: 89 @6998 has 4 MA's), (166, 7133), (230, 7325), (258, 7412), (310, 7610), (336, 7700), (356, 7763), (395, 7925), (470, 8123), (480, 8147), (481, 8150), (512, 8213),

(519, 8234), (530, 8273), (556, 8369), (577, 8423), (598, 8459), (642, 8606), (666, 8636), (668, 8639),

Gene: Stephig9_9 Start: 5669, Stop: 7423, Start Num: 32

Candidate Starts for Stephig9_9:

(Start: 32 @5669 has 30 MA's), (49, 5711), (73, 5750), (139, 5858), (212, 6065), (287, 6266), (310, 6374), (346, 6503), (388, 6668), (397, 6701), (446, 6821), (470, 6896), (519, 7007), (523, 7025), (530, 7046), (544, 7100), (556, 7142), (605, 7247), (630, 7346), (642, 7379), (668, 7412), (670, 7418),

Gene: StewieG_10 Start: 6822, Stop: 8510, Start Num: 54

Candidate Starts for StewieG_10:

(Start: 54 @6822 has 363 MA's), (Start: 169 @7002 has 2 MA's), (198, 7086), (205, 7122), (212, 7149), (258, 7272), (295, 7380), (310, 7470), (316, 7494), (328, 7521), (338, 7569), (380, 7725), (395, 7785), (481, 8010), (486, 8019), (490, 8031), (512, 8073), (519, 8094), (529, 8121), (556, 8229), (598, 8319), (627, 8424),

Gene: Stink_11 Start: 6849, Stop: 8546, Start Num: 54

Candidate Starts for Stink_11:

(Start: 54 @6849 has 363 MA's), (Start: 74 @6873 has 1 MA's), (Start: 169 @7035 has 2 MA's), (198, 7119), (256, 7302), (258, 7305), (269, 7344), (295, 7413), (300, 7437), (305, 7467), (310, 7503), (336, 7593), (380, 7758), (392, 7803), (403, 7845), (411, 7878), (443, 7944), (470, 8019), (480, 8043), (512, 8109), (523, 8148), (530, 8169), (556, 8265), (642, 8502), (666, 8532), (668, 8535),

Gene: Strokeseat_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Strokeseat_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (571, 1946), (577, 1964), (583, 1979), (597, 2006), (611, 2039), (616, 2060), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Strosahl_14 Start: 6647, Stop: 8344, Start Num: 55

Candidate Starts for Strosahl_14:

(Start: 55 @6647 has 222 MA's), (71, 6665), (166, 6827), (241, 7052), (258, 7106), (295, 7214), (301, 7241), (310, 7304), (316, 7328), (480, 7844), (512, 7907), (524, 7949), (556, 8063), (605, 8168), (642, 8300), (665, 8327), (666, 8330), (668, 8333),

Gene: Stuu_2 Start: 594, Stop: 2282, Start Num: 79

Candidate Starts for Stuu_2:

(Start: 79 @594 has 10 MA's), (187, 795), (235, 939), (258, 1008), (291, 1095), (302, 1149), (309, 1188), (346, 1323), (371, 1425), (457, 1647), (470, 1698), (546, 1917), (556, 1953), (563, 1968), (630, 2193), (634, 2205), (638, 2220), (668, 2271),

Gene: SuMoo_2 Start: 632, Stop: 2350, Start Num: 68

Candidate Starts for SuMoo_2:

(Start: 68 @632 has 32 MA's), (235, 1004), (248, 1055), (258, 1073), (302, 1223), (313, 1277), (336, 1355), (349, 1403), (457, 1718), (507, 1853), (556, 2024), (563, 2039), (593, 2138), (616, 2204), (634, 2276),

Gene: Subaru_2 Start: 534, Stop: 2240, Start Num: 75

Candidate Starts for Subaru_2:

(Start: 75 @534 has 41 MA's), (Start: 132 @621 has 1 MA's), (240, 906), (258, 963), (263, 984), (274, 1011), (302, 1101), (313, 1155), (327, 1200), (346, 1275), (390, 1404), (412, 1488), (425, 1527), (470, 1650), (537, 1830), (544, 1863), (556, 1905), (563, 1920), (605, 2055), (616, 2091), (630, 2151), (634, 2163),

Gene: Success_50 Start: 25807, Stop: 27369, Start Num: 97

Candidate Starts for Success_50:

(Start: 97 @25807 has 1 MA's), (176, 25960), (248, 26191), (250, 26197), (258, 26209), (277, 26260), (302, 26356), (313, 26410), (314, 26413), (344, 26524), (416, 26752), (470, 26863), (476, 26875), (567, 27109), (578, 27145), (630, 27289), (652, 27334), (666, 27358),

Gene: Sue2_2 Start: 539, Stop: 2245, Start Num: 77

Candidate Starts for Sue2_2:

(5, 230), (6, 233), (8, 242), (35, 461), (Start: 77 @539 has 7 MA's), (258, 968), (269, 1010), (302, 1106), (305, 1130), (327, 1205), (341, 1265), (346, 1280), (425, 1532), (470, 1655), (476, 1667), (523, 1793), (530, 1814), (556, 1910), (563, 1925), (630, 2156), (634, 2168),

Gene: Sujidade_7 Start: 2672, Stop: 4318, Start Num: 53

Candidate Starts for Sujidade_7:

(Start: 53 @2672 has 92 MA's), (Start: 68 @2690 has 32 MA's), (180, 2894), (191, 2930), (248, 3110), (259, 3131), (292, 3218), (304, 3290), (310, 3314), (339, 3413), (344, 3428), (352, 3452), (354, 3458), (407, 3626), (470, 3776), (479, 3797), (516, 3887), (546, 3995), (556, 4034), (567, 4055), (569, 4061), (573, 4079), (630, 4235),

Gene: Sukkupi_26 Start: 11957, Stop: 13684, Start Num: 82

Candidate Starts for Sukkupi_26:

(Start: 82 @11957 has 25 MA's), (167, 12107), (183, 12158), (202, 12233), (205, 12242), (228, 12365), (233, 12383), (314, 12665), (322, 12692), (367, 12860), (371, 12872), (408, 12983), (485, 13166), (520, 13280), (523, 13295), (532, 13328), (558, 13403), (618, 13547), (627, 13589), (636, 13619), (661, 13661),

Gene: SummitAcademy_3 Start: 977, Stop: 2653, Start Num: 103

Candidate Starts for SummitAcademy_3:

(Start: 103 @977 has 70 MA's), (Start: 132 @1028 has 1 MA's), (141, 1049), (167, 1094), (180, 1136), (191, 1172), (210, 1238), (243, 1334), (252, 1370), (258, 1379), (259, 1382), (273, 1430), (279, 1442), (302, 1529), (349, 1709), (363, 1763), (393, 1886), (409, 1943), (416, 1976), (459, 2042), (473, 2108), (476, 2114), (512, 2198), (537, 2279), (544, 2312), (569, 2381), (605, 2459), (606, 2462), (632, 2558), (637, 2579), (641, 2585), (666, 2639), (668, 2642),

Gene: Sumter_10 Start: 6565, Stop: 8253, Start Num: 54

Candidate Starts for Sumter_10:

(Start: 54 @6565 has 363 MA's), (198, 6829), (201, 6853), (258, 7015), (267, 7048), (295, 7123), (310, 7213), (316, 7237), (328, 7264), (338, 7312), (360, 7381), (380, 7468), (395, 7528), (481, 7753), (486, 7762), (490, 7774), (512, 7816), (519, 7837), (529, 7864), (556, 7972), (598, 8062), (627, 8167),

Gene: Sunhee_10 Start: 6558, Stop: 8312, Start Num: 55

Candidate Starts for Sunhee_10:

(Start: 55 @6558 has 222 MA's), (Start: 72 @6576 has 5 MA's), (126, 6663), (133, 6678), (139, 6687), (157, 6753), (163, 6783), (164, 6786), (180, 6837), (256, 7068), (258, 7071), (295, 7182), (300, 7206), (310, 7272), (316, 7296), (336, 7362), (357, 7428), (383, 7536), (402, 7611), (441, 7713), (470, 7788), (476, 7800), (480, 7812), (481, 7815), (484, 7821), (512, 7875), (556, 8031), (583, 8100), (642, 8268), (665, 8295), (669, 8304),

Gene: SunsetPointe_6 Start: 2419, Stop: 4047, Start Num: 68

Candidate Starts for SunsetPointe_6:

(Start: 53 @2401 has 92 MA's), (Start: 68 @2419 has 32 MA's), (180, 2623), (204, 2704), (248, 2839), (259, 2860), (292, 2947), (304, 3019), (310, 3043), (339, 3142), (357, 3196), (392, 3295), (407, 3355), (476, 3517), (479, 3526), (516, 3616), (523, 3643), (545, 3721), (546, 3724), (556, 3763), (567, 3784), (569, 3790), (573, 3808), (616, 3904), (630, 3964),

Gene: Sunshine924_10 Start: 6548, Stop: 8236, Start Num: 54

Candidate Starts for Sunshine924_10:

(Start: 54 @6548 has 363 MA's), (198, 6812), (201, 6836), (258, 6998), (267, 7031), (295, 7106), (305, 7160), (310, 7196), (316, 7220), (328, 7247), (338, 7295), (360, 7364), (380, 7451), (395, 7511), (486, 7745), (490, 7757), (512, 7799), (519, 7820), (529, 7847), (556, 7955), (598, 8045), (627, 8150),

Gene: SuperAwesome_15 Start: 7523, Stop: 9277, Start Num: 55

Candidate Starts for SuperAwesome_15:

(Start: 55 @7523 has 222 MA's), (164, 7754), (180, 7805), (191, 7841), (212, 7916), (258, 8039), (269, 8078), (295, 8147), (300, 8171), (301, 8174), (310, 8237), (316, 8261), (356, 8390), (357, 8393), (386, 8504), (438, 8666), (470, 8753), (476, 8765), (480, 8777), (512, 8840), (523, 8879), (530, 8900), (551, 8984), (556, 8996), (642, 9233), (665, 9260), (666, 9263),

Gene: SuperCallie99_15 Start: 7524, Stop: 9278, Start Num: 55

Candidate Starts for SuperCallie99_15:

(Start: 55 @7524 has 222 MA's), (164, 7755), (180, 7806), (191, 7842), (212, 7917), (258, 8040), (269, 8079), (295, 8148), (300, 8172), (301, 8175), (310, 8238), (316, 8262), (346, 8361), (347, 8364), (356, 8391), (357, 8394), (443, 8679), (476, 8766), (480, 8778), (512, 8841), (523, 8880), (530, 8901), (551, 8985), (556, 8997), (642, 9234), (665, 9261), (666, 9264),

Gene: SuperGrey_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for SuperGrey_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: SuperSulley_25 Start: 12984, Stop: 14714, Start Num: 82

Candidate Starts for SuperSulley_25:

(Start: 82 @12984 has 25 MA's), (Start: 86 @12990 has 6 MA's), (167, 13134), (183, 13185), (184, 13191), (192, 13218), (197, 13230), (202, 13260), (209, 13284), (212, 13302), (314, 13695), (322, 13722), (367, 13890), (371, 13902), (381, 13935), (408, 14013), (496, 14229), (502, 14259), (520, 14310), (532, 14358), (558, 14433), (562, 14445), (576, 14481), (627, 14619), (636, 14649),

Gene: Superchunk_11 Start: 6158, Stop: 7942, Start Num: 55

Candidate Starts for Superchunk_11:

(Start: 55 @6158 has 222 MA's), (164, 6389), (191, 6476), (243, 6629), (256, 6671), (258, 6674), (295, 6785), (300, 6809), (301, 6812), (310, 6875), (316, 6899), (357, 7031), (484, 7451), (523, 7544), (530, 7565), (551, 7649), (556, 7661), (606, 7769), (642, 7898), (665, 7925), (666, 7928),

Gene: Superstar_8 Start: 3315, Stop: 4961, Start Num: 53

Candidate Starts for Superstar_8:

(Start: 53 @3315 has 92 MA's), (198, 3585), (207, 3627), (239, 3711), (248, 3753), (259, 3774), (292, 3861), (304, 3933), (310, 3957), (339, 4056), (349, 4092), (357, 4110), (397, 4230), (398, 4233), (407, 4269), (479, 4440), (484, 4452), (523, 4557), (546, 4638), (556, 4677), (567, 4698), (573, 4722), (630, 4878),

Gene: Survivors_6 Start: 1843, Stop: 3543, Start Num: 103

Candidate Starts for Survivors_6:

(Start: 103 @1843 has 70 MA's), (120, 1873), (141, 1915), (191, 2053), (205, 2101), (214, 2131), (230, 2164), (239, 2200), (243, 2215), (245, 2230), (258, 2260), (273, 2311), (302, 2410), (304, 2431), (327, 2500), (336, 2542), (345, 2572), (384, 2719), (394, 2770), (411, 2833), (416, 2857), (458, 2923), (465, 2956), (467, 2980), (469, 2983), (473, 2992), (481, 3013), (492, 3040), (512, 3085), (516, 3097), (518, 3103), (523, 3124), (533, 3163), (567, 3262), (579, 3298), (618, 3385), (637, 3466), (641, 3472), (666, 3529), (668, 3532),

Gene: SwagPiggett_2 Start: 573, Stop: 2210, Start Num: 88

Candidate Starts for SwagPiggett_2:

(Start: 88 @573 has 156 MA's), (91, 582), (Start: 101 @597 has 3 MA's), (Start: 114 @618 has 1 MA's), (Start: 134 @654 has 2 MA's), (136, 657), (143, 675), (168, 720), (184, 759), (208, 846), (224, 906), (238, 930), (241, 939), (242, 942), (245, 963), (251, 984), (260, 999), (276, 1056), (292, 1095), (303, 1164), (306, 1170), (314, 1200), (315, 1203), (316, 1212), (322, 1227), (328, 1245), (339, 1296), (365, 1389), (367, 1398), (422, 1569), (435, 1581), (470, 1665), (483, 1695), (485, 1698), (487, 1701), (512, 1758), (517, 1773), (519, 1779), (520, 1782), (523, 1797), (529, 1806), (538, 1845), (545, 1875), (554, 1905), (558, 1914), (571, 1947), (583, 1980), (597, 2007), (611, 2040), (619, 2070), (623, 2091), (627, 2115), (630, 2124), (632, 2127), (660, 2184),

Gene: Swann_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Swann_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (469, 4308), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: SweatNTears_6 Start: 1637, Stop: 3316, Start Num: 103

Candidate Starts for SweatNTears_6:

(Start: 103 @1637 has 70 MA's), (Start: 132 @1688 has 1 MA's), (141, 1709), (165, 1748), (191, 1835), (204, 1880), (210, 1901), (212, 1910), (239, 1982), (252, 2033), (258, 2042), (273, 2093), (302, 2192), (327, 2282), (363, 2426), (373, 2462), (384, 2501), (390, 2534), (403, 2582), (416, 2639), (442, 2672), (459, 2705), (473, 2771), (476, 2777), (506, 2843), (510, 2855), (537, 2942), (567, 3038), (591, 3086), (618, 3161), (637, 3242), (666, 3302), (668, 3305),

Gene: SweetiePie_12 Start: 7386, Stop: 9173, Start Num: 55

Candidate Starts for SweetiePie_12:

(Start: 55 @7386 has 222 MA's), (123, 7494), (133, 7515), (164, 7623), (182, 7683), (212, 7785), (256, 7905), (258, 7908), (295, 8016), (310, 8106), (316, 8130), (352, 8247), (357, 8262), (439, 8562), (516, 8748), (523, 8775), (530, 8796), (556, 8892), (642, 9129), (665, 9156), (666, 9159),

Gene: SwirlSquare_14 Start: 6290, Stop: 8074, Start Num: 55

Candidate Starts for SwirlSquare_14:

(Start: 55 @6290 has 222 MA's), (164, 6521), (191, 6608), (243, 6761), (256, 6803), (258, 6806), (295, 6917), (310, 7007), (316, 7031), (357, 7163), (360, 7175), (523, 7676), (530, 7697), (551, 7781), (556, 7793), (606, 7901), (642, 8030), (665, 8057), (666, 8060),

Gene: Swirley_9 Start: 6131, Stop: 7909, Start Num: 29

Candidate Starts for Swirley_9:

(Start: 29 @6131 has 19 MA's), (Start: 32 @6158 has 30 MA's), (66, 6227), (135, 6341), (139, 6347), (191, 6479), (212, 6554), (214, 6557), (230, 6590), (241, 6623), (279, 6731), (287, 6755), (295, 6788), (310, 6863), (324, 6908), (344, 6986), (346, 6992), (360, 7037), (388, 7157), (397, 7190), (403, 7211), (470, 7385), (480, 7409), (481, 7412), (512, 7472), (516, 7484), (523, 7511), (530, 7532), (551, 7616), (556, 7628), (642, 7865), (668, 7898), (670, 7904),

Gene: SwissCheese_11 Start: 7010, Stop: 8698, Start Num: 54

Candidate Starts for SwissCheese_11:

(Start: 54 @7010 has 363 MA's), (Start: 169 @7190 has 2 MA's), (198, 7274), (205, 7310), (258, 7460), (295, 7568), (310, 7658), (316, 7682), (338, 7757), (360, 7826), (380, 7913), (395, 7973), (486, 8207), (490, 8219), (512, 8261), (519, 8282), (529, 8309), (556, 8417), (598, 8507), (627, 8612),

Gene: Switzer_12 Start: 6933, Stop: 8621, Start Num: 54

Candidate Starts for Switzer_12:

(Start: 54 @6933 has 363 MA's), (198, 7197), (201, 7221), (246, 7356), (258, 7383), (267, 7416), (295, 7491), (310, 7581), (316, 7605), (328, 7632), (338, 7680), (360, 7749), (380, 7836), (394, 7893), (395, 7896), (481, 8121), (486, 8130), (490, 8142), (512, 8184), (519, 8205), (529, 8232), (556, 8340), (598, 8430), (627, 8535),

Gene: Switzerland_14 Start: 6808, Stop: 8505, Start Num: 55

Candidate Starts for Switzerland_14:

(Start: 55 @6808 has 222 MA's), (71, 6826), (166, 6988), (212, 7144), (241, 7213), (258, 7267), (295, 7375), (301, 7402), (310, 7465), (316, 7489), (480, 8005), (512, 8068), (524, 8110), (556, 8224), (605, 8329), (642, 8461), (665, 8488), (666, 8491), (668, 8494),

Gene: Swole_13 Start: 7479, Stop: 9167, Start Num: 54

Candidate Starts for Swole_13:

(Start: 54 @7479 has 363 MA's), (Start: 169 @7659 has 2 MA's), (198, 7743), (205, 7779), (212, 7806), (258, 7929), (295, 8037), (310, 8127), (316, 8151), (328, 8178), (338, 8226), (380, 8382), (395, 8442), (486, 8676), (490, 8688), (512, 8730), (519, 8751), (529, 8778), (556, 8886), (598, 8976), (627, 9081),

Gene: SydNat_9 Start: 6265, Stop: 8016, Start Num: 32

Candidate Starts for SydNat_9:

(Start: 29 @6238 has 19 MA's), (Start: 32 @6265 has 30 MA's), (66, 6334), (Start: 90 @6373 has 1 MA's), (135, 6448), (139, 6454), (191, 6586), (212, 6661), (214, 6664), (241, 6730), (279, 6838), (287, 6862), (310, 6970), (324, 7015), (344, 7093), (346, 7099), (347, 7102), (388, 7264), (390, 7270), (397, 7297), (470, 7492), (480, 7516), (512, 7579), (516, 7591), (523, 7618), (530, 7639), (544, 7693), (551, 7723), (556, 7735), (642, 7972), (668, 8005), (670, 8011),

Gene: TChen_2 Start: 458, Stop: 2236, Start Num: 57

Candidate Starts for TChen_2:

(Start: 57 @458 has 139 MA's), (96, 509), (109, 530), (125, 560), (Start: 129 @566 has 2 MA's), (Start: 137 @581 has 2 MA's), (158, 632), (177, 695), (180, 707), (191, 743), (205, 791), (209, 806), (212, 818), (216, 824), (238, 881), (239, 884), (241, 890), (244, 905), (247, 923), (248, 926), (258, 944), (302, 1085), (303, 1103), (310, 1130), (316, 1154), (327, 1187), (347, 1265), (367, 1355), (370, 1364), (375, 1379), (397, 1421), (398, 1424), (409, 1466), (411, 1475), (416, 1499), (447, 1541), (449, 1544), (460, 1568), (469, 1607), (470, 1610), (477, 1625), (484, 1643), (486, 1646), (520, 1727), (523, 1742), (524, 1745), (527, 1757), (533, 1796), (544, 1847), (546, 1853), (551, 1889), (556, 1901), (569, 1925), (577, 1952), (581, 1961), (582, 1964), (599, 2036), (616, 2084), (619, 2090), (624, 2123), (625, 2129), (627, 2135), (629, 2141), (630, 2144), (634, 2156), (641, 2174), (651, 2195), (662, 2213), (668, 2225),

Gene: TDanisky_2 Start: 588, Stop: 2225, Start Num: 88

Candidate Starts for TDanisky_2:

(Start: 88 @588 has 156 MA's), (94, 603), (Start: 101 @612 has 3 MA's), (Start: 105 @618 has 1 MA's), (Start: 121 @645 has 1 MA's), (Start: 134 @669 has 2 MA's), (136, 672), (168, 735), (174, 753), (184, 774), (208, 861), (209, 867), (224, 921), (233, 933), (238, 945), (241, 954), (242, 957), (245, 978), (251, 999), (276, 1071), (292, 1110), (303, 1179), (306, 1185), (314, 1215), (315, 1218), (316, 1227), (322, 1242), (328, 1260), (339, 1311), (367, 1413), (422, 1584), (435, 1596), (470, 1680), (483, 1710), (485, 1713), (487, 1716), (512, 1773), (517, 1788), (519, 1794), (520, 1797), (523, 1812), (529, 1821), (545, 1890), (554, 1920), (558, 1929), (571, 1962), (583, 1995), (597, 2022), (611, 2055), (618, 2082), (619, 2085), (623, 2106), (627, 2130), (630, 2139), (632, 2142), (660, 2199),

Gene: TG1_2 Start: 587, Stop: 2161, Start Num: 122

Candidate Starts for TG1_2:

(Start: 122 @587 has 3 MA's), (188, 734), (215, 824), (226, 872), (227, 884), (245, 953), (258, 977), (266, 1007), (278, 1028), (289, 1061), (318, 1190), (320, 1196), (372, 1355), (409, 1466), (417, 1499), (451, 1553), (453, 1556), (468, 1625), (493, 1682), (534, 1835), (539, 1856), (558, 1919), (597, 2006), (600, 2012), (606, 2024), (610, 2036), (612, 2039), (628, 2111),

Gene: TNguyen7_11 Start: 6466, Stop: 8163, Start Num: 54

Candidate Starts for TNguyen7_11:

(Start: 54 @6466 has 363 MA's), (Start: 74 @6490 has 1 MA's), (102, 6538), (198, 6736), (212, 6799), (250, 6910), (258, 6922), (269, 6961), (278, 6973), (295, 7030), (300, 7054), (310, 7120), (313, 7129), (336, 7210), (344, 7237), (380, 7375), (403, 7462), (411, 7495), (443, 7561), (470, 7636), (480, 7660), (481, 7663), (484, 7669), (488, 7678), (507, 7711), (512, 7726), (530, 7786), (556, 7882), (573, 7927), (577, 7936), (632, 8089), (642, 8119), (666, 8149), (668, 8152),

Gene: TPA4_2 Start: 526, Stop: 2238, Start Num: 90

Candidate Starts for TPA4_2:

(43, 451), (Start: 54 @475 has 363 MA's), (Start: 79 @505 has 10 MA's), (Start: 90 @526 has 1 MA's), (107, 550), (130, 595), (158, 658), (187, 757), (191, 772), (218, 856), (231, 889), (234, 898), (258, 970), (288, 1048), (291, 1054), (303, 1126), (313, 1162), (329, 1219), (333, 1243), (460, 1585), (476, 1639), (484, 1660), (488, 1669), (516, 1738), (523, 1765), (524, 1768), (546, 1876), (551, 1909), (556, 1921), (604, 2044), (627, 2137), (629, 2143), (668, 2227),

Gene: TWAMP_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for TWAMP_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (469, 4308), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: TAgePhighter_7 Start: 2376, Stop: 4022, Start Num: 53

Candidate Starts for TAgePhighter_7:

(Start: 53 @2376 has 92 MA's), (Start: 68 @2394 has 32 MA's), (Start: 142 @2526 has 2 MA's), (180, 2598), (191, 2634), (248, 2814), (259, 2835), (277, 2880), (292, 2922), (304, 2994), (310, 3018), (339, 3117), (344, 3132), (352, 3156), (354, 3162), (407, 3330), (431, 3390), (470, 3480), (479, 3501), (516, 3591), (546, 3699), (556, 3738), (567, 3759), (569, 3765), (573, 3783), (630, 3939), (670, 4017),

Gene: Taj_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Taj_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217),

(316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Takoda_8 Start: 3148, Stop: 4830, Start Num: 57

Candidate Starts for Takoda_8:

(Start: 57 @3148 has 139 MA's), (Start: 169 @3334 has 2 MA's), (191, 3406), (198, 3418), (201, 3442), (205, 3454), (262, 3622), (287, 3682), (310, 3790), (378, 4045), (397, 4117), (398, 4120), (460, 4261), (470, 4303), (484, 4336), (512, 4393), (516, 4405), (556, 4549), (573, 4594), (605, 4654), (630, 4753), (642, 4786), (665, 4813), (666, 4816), (668, 4819),

Gene: Tallboi_2 Start: 534, Stop: 2240, Start Num: 75

Candidate Starts for Tallboi_2:

(Start: 75 @534 has 41 MA's), (240, 906), (258, 963), (263, 984), (274, 1011), (302, 1101), (313, 1155), (327, 1200), (346, 1275), (412, 1488), (425, 1527), (470, 1650), (556, 1905), (563, 1920), (605, 2055), (616, 2091), (630, 2151), (634, 2163),

Gene: Taquarus_11 Start: 6887, Stop: 8584, Start Num: 54

Candidate Starts for Taquarus_11:

(Start: 54 @6887 has 363 MA's), (Start: 74 @6911 has 1 MA's), (Start: 142 @7034 has 2 MA's), (185, 7124), (198, 7157), (230, 7256), (256, 7340), (258, 7343), (269, 7382), (295, 7451), (300, 7475), (310, 7541), (336, 7631), (380, 7796), (403, 7883), (411, 7916), (443, 7982), (469, 8054), (470, 8057), (480, 8081), (507, 8132), (512, 8147), (523, 8186), (530, 8207), (556, 8303), (642, 8540), (666, 8570), (668, 8573),

Gene: Target_13 Start: 7766, Stop: 9457, Start Num: 54

Candidate Starts for Target_13:

(Start: 54 @7766 has 363 MA's), (Start: 169 @7946 has 2 MA's), (198, 8030), (209, 8081), (258, 8216), (295, 8327), (300, 8351), (310, 8417), (316, 8441), (363, 8609), (394, 8729), (395, 8732), (470, 8930), (481, 8957), (515, 9029), (519, 9041), (524, 9062), (540, 9119), (556, 9176), (598, 9266), (599, 9269), (630, 9380), (632, 9383), (642, 9413), (666, 9443), (668, 9446),

Gene: TarsusIV_12 Start: 7454, Stop: 9241, Start Num: 55

Candidate Starts for TarsusIV_12:

(Start: 55 @7454 has 222 MA's), (123, 7562), (133, 7583), (158, 7667), (164, 7691), (191, 7778), (207, 7832), (239, 7916), (256, 7973), (258, 7976), (295, 8084), (310, 8174), (316, 8198), (352, 8315), (357, 8330), (448, 8645), (470, 8717), (516, 8816), (523, 8843), (530, 8864), (556, 8960), (642, 9197), (666, 9227),

Gene: Tarynearal_8 Start: 6158, Stop: 7936, Start Num: 29

Candidate Starts for Tarynearal_8:

(Start: 29 @6158 has 19 MA's), (Start: 32 @6185 has 30 MA's), (66, 6254), (135, 6368), (139, 6374), (191, 6506), (212, 6581), (214, 6584), (230, 6617), (241, 6650), (279, 6758), (287, 6782), (295, 6815), (310, 6890), (324, 6935), (344, 7013), (346, 7019), (360, 7064), (397, 7217), (403, 7238), (470, 7412), (480, 7436), (481, 7439), (512, 7499), (516, 7511), (523, 7538), (530, 7559), (551, 7643), (556, 7655), (642, 7892), (668, 7925), (670, 7931),

Gene: Tasp14_12 Start: 7250, Stop: 8938, Start Num: 54

Candidate Starts for Tasp14_12:

(Start: 54 @7250 has 363 MA's), (Start: 169 @7430 has 2 MA's), (198, 7514), (205, 7550), (212, 7577), (258, 7700), (295, 7808), (310, 7898), (316, 7922), (328, 7949), (338, 7997), (360, 8066), (380, 8153), (395, 8213), (486, 8447), (490, 8459), (512, 8501), (519, 8522), (529, 8549), (556, 8657), (598, 8747),

(627, 8852),

Gene: Taurus_13 Start: 6955, Stop: 8655, Start Num: 57

Candidate Starts for Taurus_13:

(Start: 57 @6955 has 139 MA's), (Start: 89 @7003 has 4 MA's), (166, 7138), (230, 7330), (258, 7417), (268, 7453), (310, 7615), (336, 7705), (356, 7768), (395, 7930), (470, 8128), (480, 8152), (481, 8155), (512, 8218), (519, 8239), (530, 8278), (556, 8374), (577, 8428), (598, 8464), (642, 8611), (666, 8641), (668, 8644),

Gene: Tbone_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Tbone_2:

(Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1649), (556, 1904), (563, 1919), (605, 2054), (626, 2138), (634, 2162),

Gene: Tefunt_6 Start: 2173, Stop: 3822, Start Num: 53

Candidate Starts for Tefunt_6:

(Start: 53 @2173 has 92 MA's), (172, 2371), (180, 2398), (198, 2446), (204, 2479), (210, 2500), (243, 2587), (248, 2614), (259, 2635), (277, 2680), (292, 2722), (304, 2794), (310, 2818), (339, 2917), (349, 2953), (357, 2971), (397, 3091), (398, 3094), (407, 3130), (446, 3211), (479, 3301), (484, 3313), (507, 3364), (516, 3391), (523, 3418), (556, 3538), (567, 3559), (573, 3583), (605, 3643), (630, 3739), (670, 3817),

Gene: Temprado_16 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for Temprado_16:

(Start: 55 @7533 has 222 MA's), (139, 7665), (164, 7764), (172, 7788), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (262, 8064), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (356, 8400), (357, 8403), (386, 8514), (438, 8676), (470, 8763), (476, 8775), (480, 8787), (507, 8835), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: Teodoridan_9 Start: 6381, Stop: 8069, Start Num: 54

Candidate Starts for Teodoridan_9:

(Start: 54 @6381 has 363 MA's), (198, 6645), (201, 6669), (258, 6831), (267, 6864), (295, 6939), (310, 7029), (316, 7053), (338, 7128), (380, 7284), (383, 7293), (394, 7341), (395, 7344), (486, 7578), (490, 7590), (512, 7632), (519, 7653), (529, 7680), (556, 7788), (598, 7878), (627, 7983),

Gene: Terrific_16 Start: 7938, Stop: 9725, Start Num: 55

Candidate Starts for Terrific_16:

(10, 7752), (27, 7854), (Start: 55 @7938 has 222 MA's), (123, 8046), (133, 8067), (164, 8175), (258, 8460), (295, 8568), (310, 8658), (316, 8682), (357, 8814), (469, 9198), (470, 9201), (523, 9327), (530, 9348), (551, 9432), (556, 9444), (642, 9681), (665, 9708), (666, 9711), (668, 9714), (669, 9717),

Gene: Tesla_34 Start: 10743, Stop: 12485, Start Num: 103

Candidate Starts for Tesla_34:

(Start: 103 @10743 has 70 MA's), (166, 10860), (180, 10905), (195, 10971), (196, 10986), (201, 11019), (202, 11022), (207, 11037), (214, 11061), (216, 11064), (230, 11094), (236, 11115), (239, 11133), (242, 11142), (249, 11178), (258, 11193), (273, 11238), (292, 11280), (298, 11319), (302, 11331), (304, 11352), (317, 11403), (328, 11424), (390, 11646), (416, 11751), (419, 11760), (450, 11793), (459, 11814), (460, 11817), (465, 11844), (470, 11874), (476, 11886), (481, 11901), (486, 11910), (488, 11916), (506, 11958), (508, 11967), (514, 11982), (519, 11997), (537, 12057), (544, 12096), (552, 12129), (567, 12159), (568, 12162), (590, 12246), (605, 12300), (610, 12315), (619, 12342), (630, 12396), (665, 12468), (666, 12471),

Gene: Texage_11 Start: 7044, Stop: 8741, Start Num: 54

Candidate Starts for Texage_11:

(Start: 54 @7044 has 363 MA's), (Start: 74 @7068 has 1 MA's), (198, 7314), (250, 7488), (258, 7500), (269, 7539), (278, 7551), (295, 7608), (300, 7632), (310, 7698), (313, 7707), (336, 7788), (346, 7821), (380, 7953), (386, 7965), (397, 8019), (403, 8040), (411, 8073), (438, 8127), (470, 8214), (480, 8238), (481, 8241), (484, 8247), (488, 8256), (512, 8304), (523, 8343), (524, 8346), (530, 8364), (556, 8460), (577, 8514), (632, 8667), (642, 8697), (666, 8727), (668, 8730),

Gene: TforTroy_2 Start: 547, Stop: 2244, Start Num: 75

Candidate Starts for TforTroy_2:

(Start: 75 @547 has 41 MA's), (83, 556), (Start: 132 @634 has 1 MA's), (240, 919), (258, 976), (269, 1018), (302, 1114), (313, 1168), (346, 1288), (367, 1378), (470, 1663), (516, 1774), (537, 1843), (556, 1918), (563, 1933), (605, 2059), (626, 2143), (634, 2167),

Gene: Thanksgivukkah_11 Start: 6889, Stop: 8586, Start Num: 54

Candidate Starts for Thanksgivukkah_11:

(Start: 54 @6889 has 363 MA's), (Start: 74 @6913 has 1 MA's), (Start: 142 @7036 has 2 MA's), (185, 7126), (198, 7159), (230, 7258), (256, 7342), (258, 7345), (269, 7384), (295, 7453), (300, 7477), (310, 7543), (336, 7633), (380, 7798), (403, 7885), (411, 7918), (443, 7984), (469, 8056), (470, 8059), (480, 8083), (507, 8134), (512, 8149), (523, 8188), (530, 8209), (556, 8305), (642, 8542), (666, 8572), (668, 8575),

Gene: Theia_8 Start: 6097, Stop: 7875, Start Num: 29

Candidate Starts for Theia_8:

(Start: 29 @6097 has 19 MA's), (Start: 32 @6124 has 30 MA's), (66, 6193), (135, 6307), (139, 6313), (191, 6445), (212, 6520), (214, 6523), (230, 6556), (241, 6589), (279, 6697), (287, 6721), (295, 6754), (310, 6829), (324, 6874), (344, 6952), (346, 6958), (388, 7123), (397, 7156), (403, 7177), (470, 7351), (480, 7375), (481, 7378), (512, 7438), (516, 7450), (523, 7477), (530, 7498), (551, 7582), (556, 7594), (599, 7687), (642, 7831), (668, 7864), (670, 7870),

Gene: TheloniousMonk_13 Start: 7993, Stop: 9681, Start Num: 54

Candidate Starts for TheloniousMonk_13:

(Start: 54 @7993 has 363 MA's), (198, 8257), (201, 8281), (258, 8443), (267, 8476), (295, 8551), (310, 8641), (316, 8665), (328, 8692), (338, 8740), (360, 8809), (376, 8884), (380, 8896), (395, 8956), (481, 9181), (486, 9190), (490, 9202), (512, 9244), (519, 9265), (529, 9292), (556, 9400), (598, 9490), (627, 9595),

Gene: Thestral_7 Start: 2249, Stop: 3895, Start Num: 53

Candidate Starts for Thestral_7:

(Start: 53 @2249 has 92 MA's), (198, 2519), (201, 2543), (204, 2552), (239, 2645), (243, 2660), (248, 2687), (259, 2708), (292, 2795), (304, 2867), (310, 2891), (339, 2990), (349, 3026), (378, 3131), (398, 3167), (407, 3203), (412, 3221), (469, 3350), (470, 3353), (476, 3365), (479, 3374), (482, 3383), (516, 3464), (523, 3491), (531, 3518), (546, 3572), (556, 3611), (567, 3632), (573, 3656), (605, 3716), (630, 3812), (670, 3890),

Gene: ThetaBob_2 Start: 458, Stop: 2236, Start Num: 57

Candidate Starts for ThetaBob_2:

(Start: 57 @458 has 139 MA's), (96, 509), (109, 530), (125, 560), (Start: 129 @566 has 2 MA's), (Start: 137 @581 has 2 MA's), (158, 632), (177, 695), (180, 707), (191, 743), (205, 791), (209, 806), (212, 818), (216, 824), (238, 881), (239, 884), (241, 890), (244, 905), (247, 923), (248, 926), (258, 944), (302, 1085), (303, 1103), (310, 1130), (316, 1154), (327, 1187), (347, 1265), (367, 1355), (370, 1364), (375, 1379), (397, 1421), (398, 1424), (409, 1466), (411, 1475), (416, 1499), (447, 1541), (449, 1544), (460,

1568), (469, 1607), (470, 1610), (477, 1625), (484, 1643), (486, 1646), (520, 1727), (523, 1742), (524, 1745), (527, 1757), (533, 1796), (544, 1847), (546, 1853), (551, 1889), (556, 1901), (569, 1925), (577, 1952), (581, 1961), (582, 1964), (599, 2036), (616, 2084), (619, 2090), (624, 2123), (625, 2129), (627, 2135), (629, 2141), (630, 2144), (634, 2156), (641, 2174), (651, 2195), (662, 2213), (668, 2225),

Gene: Thor_11 Start: 6833, Stop: 8521, Start Num: 54

Candidate Starts for Thor_11:

(Start: 54 @6833 has 363 MA's), (Start: 169 @7013 has 2 MA's), (198, 7097), (205, 7133), (212, 7160), (258, 7283), (267, 7316), (295, 7391), (310, 7481), (316, 7505), (328, 7532), (338, 7580), (380, 7736), (383, 7745), (395, 7796), (486, 8030), (490, 8042), (512, 8084), (519, 8105), (529, 8132), (556, 8240), (598, 8330), (627, 8435),

Gene: Tian_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Tian_2:

(Start: 75 @533 has 41 MA's), (120, 599), (240, 905), (258, 962), (263, 983), (274, 1010), (302, 1100), (313, 1154), (327, 1199), (346, 1274), (425, 1526), (470, 1649), (537, 1829), (556, 1904), (563, 1919), (605, 2054), (630, 2150), (634, 2162),

Gene: Tiffany_13 Start: 6851, Stop: 8551, Start Num: 57

Candidate Starts for Tiffany_13:

(Start: 57 @6851 has 139 MA's), (Start: 89 @6899 has 4 MA's), (166, 7034), (230, 7226), (258, 7313), (310, 7511), (336, 7601), (356, 7664), (395, 7826), (470, 8024), (480, 8048), (481, 8051), (512, 8114), (519, 8135), (530, 8174), (556, 8270), (577, 8324), (598, 8360), (642, 8507), (666, 8537), (668, 8540),

Gene: Tiger_9 Start: 6005, Stop: 7756, Start Num: 32

Candidate Starts for Tiger_9:

(Start: 29 @5978 has 19 MA's), (Start: 32 @6005 has 30 MA's), (66, 6074), (Start: 90 @6113 has 1 MA's), (135, 6188), (139, 6194), (191, 6326), (212, 6401), (214, 6404), (262, 6539), (279, 6578), (287, 6602), (310, 6710), (324, 6755), (344, 6833), (346, 6839), (388, 7004), (397, 7037), (403, 7058), (470, 7232), (480, 7256), (481, 7259), (512, 7319), (516, 7331), (523, 7358), (530, 7379), (551, 7463), (556, 7475), (642, 7712), (668, 7745), (670, 7751),

Gene: Timothy_12 Start: 8024, Stop: 9787, Start Num: 55

Candidate Starts for Timothy_12:

(Start: 55 @8024 has 222 MA's), (Start: 72 @8045 has 5 MA's), (123, 8132), (164, 8261), (172, 8285), (191, 8348), (241, 8492), (256, 8543), (258, 8546), (295, 8657), (300, 8681), (301, 8684), (310, 8747), (313, 8756), (316, 8771), (352, 8888), (357, 8903), (368, 8963), (392, 9047), (443, 9188), (476, 9275), (480, 9287), (507, 9335), (512, 9350), (523, 9389), (530, 9410), (540, 9449), (551, 9494), (556, 9506), (642, 9743), (665, 9770),

Gene: Timshel_12 Start: 8311, Stop: 10005, Start Num: 54

Candidate Starts for Timshel_12:

(Start: 54 @8311 has 363 MA's), (160, 8479), (180, 8530), (198, 8578), (212, 8641), (230, 8677), (241, 8710), (250, 8752), (258, 8764), (262, 8779), (269, 8803), (295, 8872), (310, 8962), (313, 8971), (357, 9118), (380, 9217), (394, 9274), (403, 9304), (469, 9475), (470, 9478), (480, 9502), (481, 9505), (515, 9577), (530, 9628), (556, 9724), (569, 9751), (577, 9778), (632, 9931), (642, 9961), (666, 9991),

Gene: TinaBelcher_6 Start: 2200, Stop: 3846, Start Num: 53

Candidate Starts for TinaBelcher_6:

(Start: 53 @2200 has 92 MA's), (112, 2296), (198, 2470), (201, 2494), (204, 2503), (239, 2596), (243, 2611), (248, 2638), (259, 2659), (292, 2746), (304, 2818), (310, 2842), (339, 2941), (349, 2977), (378, 3082), (398, 3118), (407, 3154), (412, 3172), (469, 3301), (470, 3304), (476, 3316), (479, 3325), (482, 3334), (516, 3415), (523, 3442), (531, 3469), (546, 3523), (556, 3562), (567, 3583), (573, 3607), (583,

3631), (605, 3667), (630, 3763), (670, 3841),

Gene: TinaFeyge_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for TinaFeyge_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: TinyPebbles_13 Start: 7040, Stop: 8740, Start Num: 57

Candidate Starts for TinyPebbles_13:

(Start: 57 @7040 has 139 MA's), (Start: 89 @7088 has 4 MA's), (166, 7223), (230, 7415), (258, 7502), (310, 7700), (336, 7790), (356, 7853), (395, 8015), (470, 8213), (480, 8237), (481, 8240), (512, 8303), (519, 8324), (530, 8363), (556, 8459), (577, 8513), (598, 8549), (642, 8696), (666, 8726), (668, 8729),

Gene: TinyTimmy_12 Start: 8076, Stop: 9839, Start Num: 55

Candidate Starts for TinyTimmy_12:

(Start: 55 @8076 has 222 MA's), (Start: 72 @8097 has 5 MA's), (123, 8184), (164, 8313), (172, 8337), (191, 8400), (241, 8544), (256, 8595), (258, 8598), (295, 8709), (300, 8733), (301, 8736), (310, 8799), (313, 8808), (316, 8823), (352, 8940), (357, 8955), (368, 9015), (392, 9099), (476, 9327), (480, 9339), (507, 9387), (512, 9402), (523, 9441), (530, 9462), (540, 9501), (551, 9546), (556, 9558), (642, 9795), (665, 9822),

Gene: Tinybot_10 Start: 6864, Stop: 8561, Start Num: 54

Candidate Starts for Tinybot_10:

(Start: 54 @6864 has 363 MA's), (Start: 74 @6888 has 1 MA's), (Start: 142 @7011 has 2 MA's), (185, 7101), (198, 7134), (230, 7233), (256, 7317), (258, 7320), (269, 7359), (295, 7428), (300, 7452), (310, 7518), (336, 7608), (380, 7773), (403, 7860), (411, 7893), (443, 7959), (469, 8031), (470, 8034), (480, 8058), (507, 8109), (512, 8124), (523, 8163), (530, 8184), (556, 8280), (642, 8517), (666, 8547), (668, 8550),

Gene: TopsytheTRex_11 Start: 6516, Stop: 8297, Start Num: 55

Candidate Starts for TopsytheTRex_11:

(Start: 55 @6516 has 222 MA's), (Start: 142 @6660 has 2 MA's), (155, 6705), (164, 6747), (191, 6834), (207, 6888), (256, 7029), (258, 7032), (269, 7071), (295, 7140), (310, 7230), (316, 7254), (356, 7383), (357, 7386), (523, 7899), (530, 7920), (551, 8004), (556, 8016), (642, 8253), (665, 8280), (666, 8283), (668, 8286),

Gene: TiroTheta9_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for TiroTheta9_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Toaka_11 Start: 6489, Stop: 8273, Start Num: 55

Candidate Starts for Toaka_11:

(Start: 55 @6489 has 222 MA's), (139, 6618), (164, 6717), (166, 6723), (172, 6741), (212, 6879), (241, 6951), (258, 7005), (269, 7044), (295, 7116), (310, 7206), (316, 7230), (352, 7347), (357, 7362), (383, 7470), (402, 7545), (429, 7641), (476, 7761), (484, 7782), (523, 7875), (530, 7896), (544, 7950), (551, 7980), (556, 7992), (606, 8100), (621, 8151), (642, 8229), (665, 8256), (666, 8259),

Gene: Todacoro_12 Start: 7044, Stop: 8741, Start Num: 54

Candidate Starts for Todacoro_12:

(Start: 54 @7044 has 363 MA's), (Start: 74 @7068 has 1 MA's), (198, 7314), (250, 7488), (258, 7500), (269, 7539), (278, 7551), (295, 7608), (300, 7632), (310, 7698), (313, 7707), (336, 7788), (346, 7821), (380, 7953), (386, 7965), (397, 8019), (403, 8040), (411, 8073), (438, 8127), (470, 8214), (480, 8238), (481, 8241), (484, 8247), (488, 8256), (512, 8304), (523, 8343), (524, 8346), (530, 8364), (556, 8460), (577, 8514), (632, 8667), (642, 8697), (666, 8727), (668, 8730),

Gene: Tolls_6 Start: 1121, Stop: 2800, Start Num: 103

Candidate Starts for Tolls_6:

(Start: 103 @1121 has 70 MA's), (Start: 132 @1172 has 1 MA's), (141, 1193), (Start: 142 @1196 has 2 MA's), (167, 1238), (187, 1304), (204, 1364), (210, 1385), (212, 1394), (243, 1481), (252, 1517), (258, 1526), (273, 1577), (302, 1676), (304, 1697), (313, 1730), (327, 1766), (363, 1910), (373, 1946), (384, 1985), (419, 2132), (442, 2156), (473, 2255), (510, 2339), (537, 2426), (567, 2522), (591, 2570), (599, 2594), (618, 2645), (637, 2726), (666, 2786), (668, 2789),

Gene: Toma_6 Start: 2395, Stop: 4023, Start Num: 68

Candidate Starts for Toma_6:

(Start: 53 @2377 has 92 MA's), (Start: 68 @2395 has 32 MA's), (180, 2599), (191, 2635), (248, 2815), (259, 2836), (292, 2923), (304, 2995), (310, 3019), (339, 3118), (344, 3133), (352, 3157), (354, 3163), (407, 3331), (431, 3391), (470, 3481), (479, 3502), (516, 3592), (530, 3640), (556, 3739), (567, 3760), (569, 3766), (573, 3784), (630, 3940),

Gene: Tomathan_15 Start: 7375, Stop: 9162, Start Num: 55

Candidate Starts for Tomathan_15:

(16, 7216), (19, 7243), (Start: 55 @7375 has 222 MA's), (123, 7483), (133, 7504), (155, 7570), (164, 7612), (191, 7699), (256, 7894), (258, 7897), (295, 8005), (310, 8095), (316, 8119), (346, 8218), (356, 8248), (357, 8251), (386, 8362), (439, 8551), (507, 8710), (512, 8725), (516, 8737), (523, 8764), (530, 8785), (551, 8869), (556, 8881), (598, 8971), (642, 9118), (665, 9145), (666, 9148),

Gene: ToneTone_14 Start: 7446, Stop: 9200, Start Num: 55

Candidate Starts for ToneTone_14:

(Start: 55 @7446 has 222 MA's), (139, 7578), (164, 7677), (172, 7701), (180, 7728), (191, 7764), (212, 7839), (258, 7962), (262, 7977), (269, 8001), (295, 8070), (300, 8094), (301, 8097), (310, 8160), (316, 8184), (356, 8313), (357, 8316), (386, 8427), (438, 8589), (470, 8676), (476, 8688), (480, 8700), (507, 8748), (512, 8763), (523, 8802), (530, 8823), (551, 8907), (556, 8919), (642, 9156), (665, 9183), (666, 9186),

Gene: Toniann_30 Start: 8628, Stop: 10376, Start Num: 95

Candidate Starts for Toniann_30:

(Start: 95 @8628 has 23 MA's), (112, 8658), (177, 8787), (225, 8973), (233, 9012), (242, 9036), (247, 9066), (256, 9084), (264, 9111), (274, 9141), (327, 9333), (330, 9351), (370, 9513), (393, 9561), (398, 9576), (457, 9759), (459, 9765), (480, 9849), (515, 9936), (524, 9969), (555, 10083), (569, 10119), (577, 10143), (586, 10158), (646, 10332), (653, 10338),

Gene: Topanga_11 Start: 6816, Stop: 8507, Start Num: 54

Candidate Starts for Topanga_11:

(Start: 54 @6816 has 363 MA's), (Start: 74 @6840 has 1 MA's), (Start: 142 @6963 has 2 MA's), (191, 7083), (198, 7095), (208, 7140), (230, 7194), (239, 7221), (243, 7236), (258, 7281), (269, 7320), (292, 7368), (295, 7389), (300, 7413), (310, 7464), (346, 7587), (380, 7719), (399, 7794), (411, 7839), (443, 7905), (470, 7980), (480, 8004), (512, 8070), (523, 8109), (524, 8112), (530, 8130), (556, 8226), (583, 8295), (642, 8463), (666, 8493), (668, 8496),

Gene: Topgun_11 Start: 6738, Stop: 8426, Start Num: 54

Candidate Starts for Topgun_11:

(Start: 54 @6738 has 363 MA's), (198, 7002), (201, 7026), (258, 7188), (267, 7221), (295, 7296), (310, 7386), (316, 7410), (338, 7485), (380, 7641), (383, 7650), (394, 7698), (395, 7701), (486, 7935), (490, 7947), (512, 7989), (519, 8010), (529, 8037), (556, 8145), (598, 8235), (627, 8340),

Gene: Toro_14 Start: 8301, Stop: 10001, Start Num: 54

Candidate Starts for Toro_14:

(Start: 54 @8301 has 363 MA's), (Start: 95 @8364 has 23 MA's), (176, 8508), (185, 8538), (198, 8571), (212, 8634), (258, 8757), (262, 8772), (295, 8865), (300, 8889), (310, 8955), (357, 9111), (380, 9210), (403, 9297), (411, 9330), (438, 9384), (446, 9399), (469, 9468), (470, 9471), (480, 9495), (516, 9573), (556, 9717), (573, 9762), (606, 9825), (632, 9924), (642, 9954), (666, 9987),

Gene: Toron_2 Start: 458, Stop: 2236, Start Num: 57

Candidate Starts for Toron_2:

(Start: 57 @458 has 139 MA's), (76, 479), (96, 509), (109, 530), (125, 560), (Start: 129 @566 has 2 MA's), (Start: 137 @581 has 2 MA's), (158, 632), (177, 695), (180, 707), (191, 743), (205, 791), (209, 806), (212, 818), (216, 824), (238, 881), (239, 884), (241, 890), (244, 905), (247, 923), (248, 926), (258, 944), (302, 1085), (303, 1103), (310, 1130), (316, 1154), (327, 1187), (347, 1265), (370, 1364), (375, 1379), (397, 1421), (403, 1442), (409, 1466), (411, 1475), (416, 1499), (447, 1541), (449, 1544), (460, 1568), (469, 1607), (470, 1610), (477, 1625), (484, 1643), (520, 1727), (523, 1742), (524, 1745), (527, 1757), (533, 1796), (544, 1847), (546, 1853), (551, 1889), (556, 1901), (569, 1925), (577, 1952), (582, 1964), (589, 2000), (599, 2036), (616, 2084), (619, 2090), (624, 2123), (625, 2129), (627, 2135), (629, 2141), (630, 2144), (634, 2156), (641, 2174), (651, 2195), (662, 2213), (668, 2225),

Gene: Tote_13 Start: 7479, Stop: 9167, Start Num: 54

Candidate Starts for Tote_13:

(Start: 54 @7479 has 363 MA's), (Start: 169 @7659 has 2 MA's), (198, 7743), (205, 7779), (212, 7806), (258, 7929), (295, 8037), (310, 8127), (316, 8151), (328, 8178), (338, 8226), (380, 8382), (395, 8442), (486, 8676), (490, 8688), (512, 8730), (519, 8751), (529, 8778), (556, 8886), (598, 8976), (627, 9081),

Gene: TouchMeNot_3 Start: 1236, Stop: 2873, Start Num: 89

Candidate Starts for TouchMeNot_3:

(Start: 89 @1236 has 4 MA's), (104, 1260), (144, 1338), (176, 1404), (205, 1503), (210, 1521), (212, 1530), (216, 1536), (233, 1584), (235, 1590), (239, 1599), (248, 1641), (250, 1647), (252, 1650), (258, 1659), (284, 1737), (310, 1854), (314, 1866), (315, 1869), (316, 1878), (336, 1941), (357, 2013), (363, 2046), (394, 2124), (433, 2235), (460, 2280), (510, 2412), (512, 2418), (549, 2550), (556, 2589), (598, 2679), (609, 2706), (629, 2787), (634, 2802), (635, 2805), (637, 2814), (668, 2862),

Gene: Towmatter_12 Start: 4822, Stop: 6558, Start Num: 95

Candidate Starts for Towmatter_12:

(Start: 95 @4822 has 23 MA's), (Start: 106 @4837 has 1 MA's), (139, 4894), (167, 4951), (207, 5083), (230, 5194), (242, 5230), (270, 5326), (310, 5470), (317, 5497), (330, 5545), (394, 5752), (405, 5797), (459, 5950), (512, 6112), (537, 6193), (555, 6268), (586, 6340), (605, 6376), (616, 6412), (630, 6472),

Gene: Tracker_24 Start: 11932, Stop: 13659, Start Num: 81

Candidate Starts for Tracker_24:

(9, 11698), (30, 11827), (Start: 81 @11932 has 11 MA's), (167, 12082), (183, 12133), (184, 12139), (197, 12178), (202, 12208), (209, 12232), (212, 12250), (219, 12277), (228, 12340), (233, 12358), (314, 12643), (322, 12670), (345, 12754), (367, 12838), (371, 12850), (381, 12883), (408, 12961), (444, 13039), (470, 13111), (485, 13144), (502, 13207), (512, 13234), (520, 13258), (529, 13282), (558, 13381), (576, 13429), (627, 13567), (636, 13597), (669, 13651),

Gene: Traft412_13 Start: 7666, Stop: 9354, Start Num: 54

Candidate Starts for Traft412_13:

(Start: 54 @7666 has 363 MA's), (198, 7930), (201, 7954), (258, 8116), (267, 8149), (295, 8224), (310, 8314), (316, 8338), (328, 8365), (338, 8413), (380, 8569), (395, 8629), (486, 8863), (490, 8875), (512, 8917), (519, 8938), (529, 8965), (556, 9073), (598, 9163), (627, 9268),

Gene: Travvers_15 Start: 7375, Stop: 9162, Start Num: 55

Candidate Starts for Travvers_15:

(16, 7216), (19, 7243), (Start: 55 @7375 has 222 MA's), (123, 7483), (133, 7504), (155, 7570), (164, 7612), (191, 7699), (256, 7894), (258, 7897), (295, 8005), (310, 8095), (316, 8119), (346, 8218), (356, 8248), (357, 8251), (386, 8362), (439, 8551), (507, 8710), (512, 8725), (516, 8737), (523, 8764), (530, 8785), (551, 8869), (556, 8881), (598, 8971), (642, 9118), (665, 9145), (666, 9148),

Gene: Treddle_13 Start: 7975, Stop: 9663, Start Num: 61

Candidate Starts for Treddle_13:

(Start: 61 @7975 has 24 MA's), (Start: 169 @8155 has 2 MA's), (198, 8239), (202, 8266), (205, 8275), (258, 8425), (267, 8458), (295, 8533), (310, 8623), (316, 8647), (328, 8674), (338, 8722), (380, 8878), (395, 8938), (486, 9172), (490, 9184), (512, 9226), (519, 9247), (529, 9274), (556, 9382), (598, 9472), (627, 9577),

Gene: Trike_9 Start: 4773, Stop: 6464, Start Num: 54

Candidate Starts for Trike_9:

(Start: 54 @4773 has 363 MA's), (Start: 74 @4797 has 1 MA's), (Start: 142 @4920 has 2 MA's), (180, 5004), (191, 5040), (198, 5052), (207, 5094), (243, 5193), (258, 5238), (269, 5277), (292, 5325), (295, 5346), (300, 5370), (310, 5421), (346, 5544), (387, 5691), (399, 5751), (411, 5796), (470, 5937), (493, 5991), (512, 6027), (523, 6066), (530, 6087), (556, 6183), (583, 6252), (642, 6420), (666, 6450), (668, 6453),

Gene: Tripl3t_12 Start: 7661, Stop: 9349, Start Num: 54

Candidate Starts for Tripl3t_12:

(Start: 54 @7661 has 363 MA's), (198, 7925), (201, 7949), (246, 8084), (258, 8111), (267, 8144), (295, 8219), (310, 8309), (316, 8333), (328, 8360), (338, 8408), (380, 8564), (383, 8573), (395, 8624), (481, 8849), (486, 8858), (490, 8870), (512, 8912), (519, 8933), (529, 8960), (556, 9068), (598, 9158), (627, 9263),

Gene: Tristan_13 Start: 9212, Stop: 10990, Start Num: 55

Candidate Starts for Tristan_13:

(Start: 55 @9212 has 222 MA's), (Start: 72 @9230 has 5 MA's), (139, 9341), (Start: 142 @9353 has 2 MA's), (154, 9395), (157, 9407), (158, 9416), (164, 9440), (191, 9527), (256, 9722), (258, 9725), (269, 9764), (295, 9833), (310, 9923), (316, 9947), (346, 10046), (357, 10079), (439, 10379), (470, 10466), (516, 10565), (523, 10592), (530, 10613), (556, 10709), (642, 10946), (665, 10973), (666, 10976),

Gene: Triste_6 Start: 2377, Stop: 4023, Start Num: 53

Candidate Starts for Triste_6:

(Start: 53 @2377 has 92 MA's), (Start: 68 @2395 has 32 MA's), (Start: 142 @2527 has 2 MA's), (180, 2599), (191, 2635), (248, 2815), (259, 2836), (277, 2881), (292, 2923), (304, 2995), (310, 3019), (339, 3118), (344, 3133), (352, 3157), (354, 3163), (407, 3331), (470, 3481), (479, 3502), (507, 3565), (516, 3592), (546, 3700), (556, 3739), (565, 3757), (567, 3760), (569, 3766), (573, 3784), (630, 3940), (670, 4018),

Gene: Trixie_15 Start: 9087, Stop: 10874, Start Num: 55

Candidate Starts for Trixie_15:

(Start: 55 @9087 has 222 MA's), (123, 9195), (133, 9216), (164, 9324), (180, 9375), (191, 9411), (256, 9606), (258, 9609), (295, 9717), (310, 9807), (316, 9831), (357, 9963), (470, 10350), (516, 10449), (523, 10476), (524, 10479), (530, 10497), (556, 10593), (642, 10830), (665, 10857), (666, 10860), (668, 10863), (669, 10866),

Gene: Troje_4 Start: 1111, Stop: 2790, Start Num: 103

Candidate Starts for Troje_4:

(Start: 103 @1111 has 70 MA's), (Start: 132 @1162 has 1 MA's), (141, 1183), (165, 1222), (191, 1309), (204, 1354), (210, 1375), (212, 1384), (239, 1456), (252, 1507), (258, 1516), (273, 1567), (302, 1666), (304, 1687), (313, 1720), (327, 1756), (363, 1900), (373, 1936), (384, 1975), (390, 2008), (403, 2056), (416, 2113), (442, 2146), (459, 2179), (473, 2245), (476, 2251), (506, 2317), (510, 2329), (537, 2416), (567, 2512), (591, 2560), (618, 2635), (637, 2716), (666, 2776), (668, 2779),

Gene: Trooper_12 Start: 7244, Stop: 9031, Start Num: 55

Candidate Starts for Trooper_12:

(Start: 55 @7244 has 222 MA's), (123, 7352), (133, 7373), (161, 7463), (164, 7481), (180, 7532), (191, 7568), (207, 7622), (212, 7643), (229, 7676), (258, 7766), (269, 7805), (295, 7874), (310, 7964), (316, 7988), (352, 8105), (357, 8120), (470, 8507), (516, 8606), (523, 8633), (524, 8636), (530, 8654), (556, 8750), (642, 8987), (666, 9017),

Gene: Trouble_11 Start: 7310, Stop: 8998, Start Num: 54

Candidate Starts for Trouble_11:

(Start: 54 @7310 has 363 MA's), (Start: 169 @7490 has 2 MA's), (198, 7574), (205, 7610), (212, 7637), (258, 7760), (295, 7868), (310, 7958), (316, 7982), (328, 8009), (338, 8057), (360, 8126), (376, 8201), (380, 8213), (395, 8273), (481, 8498), (486, 8507), (490, 8519), (512, 8561), (519, 8582), (529, 8609), (556, 8717), (598, 8807), (627, 8912),

Gene: TroyPia_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for TroyPia_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: TrvxScott_5 Start: 2201, Stop: 3847, Start Num: 53

Candidate Starts for TrvxScott_5:

(Start: 53 @2201 has 92 MA's), (112, 2297), (198, 2471), (201, 2495), (204, 2504), (239, 2597), (243, 2612), (248, 2639), (259, 2660), (292, 2747), (304, 2819), (310, 2843), (339, 2942), (349, 2978), (378, 3083), (398, 3119), (407, 3155), (412, 3173), (469, 3302), (470, 3305), (476, 3317), (479, 3326), (482, 3335), (507, 3389), (516, 3416), (523, 3443), (531, 3470), (546, 3524), (556, 3563), (567, 3584), (573, 3608), (583, 3632), (605, 3668), (630, 3764), (670, 3842),

Gene: TuanPN_6 Start: 2380, Stop: 4026, Start Num: 53

Candidate Starts for TuanPN_6:

(Start: 53 @2380 has 92 MA's), (Start: 68 @2398 has 32 MA's), (180, 2602), (191, 2638), (248, 2818), (259, 2839), (292, 2926), (304, 2998), (310, 3022), (339, 3121), (344, 3136), (352, 3160), (354, 3166), (407, 3334), (431, 3394), (470, 3484), (479, 3505), (516, 3595), (546, 3703), (556, 3742), (567, 3763), (569, 3769), (573, 3787), (630, 3943), (670, 4021),

Gene: Tubs_13 Start: 8109, Stop: 9896, Start Num: 55

Candidate Starts for Tubs_13:

(Start: 55 @8109 has 222 MA's), (Start: 68 @8124 has 32 MA's), (Start: 72 @8130 has 5 MA's), (139, 8241), (164, 8340), (212, 8502), (241, 8574), (258, 8628), (269, 8667), (295, 8739), (310, 8829), (316, 8853), (352, 8970), (357, 8985), (383, 9093), (402, 9168), (411, 9204), (429, 9264), (476, 9384), (484, 9405), (507, 9444), (523, 9498), (524, 9501), (530, 9519), (544, 9573), (551, 9603), (556, 9615), (598, 9705), (606, 9723), (642, 9852), (665, 9879), (666, 9882),

Gene: Tuck_3 Start: 1594, Stop: 3300, Start Num: 75

Candidate Starts for Tuck_3:

(Start: 75 @1594 has 41 MA's), (258, 2023), (274, 2071), (302, 2161), (333, 2293), (346, 2335), (425, 2587), (470, 2710), (546, 2929), (556, 2965), (563, 2980), (605, 3115), (630, 3211), (634, 3223),

Gene: Tucker_15 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for Tucker_15:

(Start: 55 @7533 has 222 MA's), (139, 7665), (164, 7764), (172, 7788), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (262, 8064), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (356, 8400), (357, 8403), (386, 8514), (438, 8676), (470, 8763), (476, 8775), (480, 8787), (507, 8835), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: Turab_2 Start: 537, Stop: 2243, Start Num: 75

Candidate Starts for Turab_2:

(Start: 75 @537 has 41 MA's), (Start: 132 @624 has 1 MA's), (240, 909), (258, 966), (263, 987), (274, 1014), (302, 1104), (346, 1278), (425, 1530), (470, 1653), (537, 1833), (556, 1908), (563, 1923), (605, 2058), (616, 2094), (626, 2142), (630, 2154), (634, 2166),

Gene: Turbido_14 Start: 7910, Stop: 9697, Start Num: 55

Candidate Starts for Turbido_14:

(Start: 55 @7910 has 222 MA's), (123, 8018), (133, 8039), (155, 8105), (156, 8111), (164, 8147), (172, 8171), (191, 8234), (256, 8429), (258, 8432), (295, 8540), (310, 8630), (316, 8654), (338, 8729), (352, 8771), (357, 8786), (439, 9086), (516, 9272), (523, 9299), (530, 9320), (556, 9416), (642, 9653), (666, 9683),

Gene: Turj99_10 Start: 6754, Stop: 8442, Start Num: 54

Candidate Starts for Turj99_10:

(Start: 54 @6754 has 363 MA's), (Start: 169 @6934 has 2 MA's), (198, 7018), (205, 7054), (258, 7204), (295, 7312), (310, 7402), (316, 7426), (338, 7501), (360, 7570), (380, 7657), (395, 7717), (486, 7951), (490, 7963), (512, 8005), (519, 8026), (529, 8053), (556, 8161), (598, 8251), (627, 8356),

Gene: Turuncu_28 Start: 13351, Stop: 15027, Start Num: 84

Candidate Starts for Turuncu_28:

(Start: 84 @13351 has 10 MA's), (167, 13501), (184, 13558), (192, 13585), (197, 13597), (202, 13627), (314, 14011), (322, 14038), (367, 14206), (371, 14218), (381, 14251), (408, 14329), (447, 14410), (470, 14479), (487, 14515), (496, 14545), (520, 14626), (523, 14641), (540, 14701), (558, 14749), (627, 14935), (636, 14965),

Gene: Tutumahutu_2 Start: 533, Stop: 2290, Start Num: 75

Candidate Starts for Tutumahutu_2:

(6, 242), (8, 251), (Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1700), (556, 1955), (563, 1970), (583, 2024), (605, 2105), (626, 2189), (634, 2213),

Gene: Tweety_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Tweety_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Tweety19_3 Start: 1419, Stop: 3110, Start Num: 75

Candidate Starts for Tweety19_3:

(Start: 75 @1419 has 41 MA's), (93, 1449), (120, 1485), (175, 1596), (235, 1779), (240, 1791), (258, 1848), (289, 1932), (302, 1989), (458, 2478), (546, 2745), (556, 2781), (563, 2796), (605, 2925), (613, 2946), (634, 3033),

Gene: Twigg_9 Start: 6157, Stop: 7908, Start Num: 32

Candidate Starts for Twigg_9:

(Start: 29 @6130 has 19 MA's), (Start: 32 @6157 has 30 MA's), (66, 6226), (135, 6340), (139, 6346), (191, 6478), (212, 6553), (214, 6556), (230, 6589), (241, 6622), (279, 6730), (287, 6754), (295, 6787), (310, 6862), (324, 6907), (344, 6985), (346, 6991), (360, 7036), (397, 7189), (403, 7210), (470, 7384), (480, 7408), (481, 7411), (512, 7471), (516, 7483), (523, 7510), (530, 7531), (551, 7615), (556, 7627), (642, 7864), (668, 7897), (670, 7903),

Gene: Twister_11 Start: 6715, Stop: 8406, Start Num: 54

Candidate Starts for Twister_11:

(Start: 54 @6715 has 363 MA's), (Start: 74 @6739 has 1 MA's), (Start: 142 @6862 has 2 MA's), (191, 6982), (198, 6994), (208, 7039), (230, 7093), (239, 7120), (243, 7135), (258, 7180), (269, 7219), (292, 7267), (295, 7288), (300, 7312), (310, 7363), (346, 7486), (380, 7618), (399, 7693), (411, 7738), (443, 7804), (470, 7879), (480, 7903), (512, 7969), (523, 8008), (524, 8011), (530, 8029), (556, 8125), (583, 8194), (642, 8362), (666, 8392), (668, 8395),

Gene: TwoPeat_12 Start: 7272, Stop: 8960, Start Num: 54

Candidate Starts for TwoPeat_12:

(Start: 54 @7272 has 363 MA's), (198, 7536), (201, 7560), (258, 7722), (267, 7755), (295, 7830), (310, 7920), (316, 7944), (328, 7971), (338, 8019), (360, 8088), (380, 8175), (383, 8184), (395, 8235), (486, 8469), (490, 8481), (512, 8523), (519, 8544), (529, 8571), (556, 8679), (598, 8769), (627, 8874),

Gene: TygerBlood_11 Start: 6886, Stop: 8583, Start Num: 54

Candidate Starts for TygerBlood_11:

(Start: 54 @6886 has 363 MA's), (Start: 74 @6910 has 1 MA's), (Start: 142 @7033 has 2 MA's), (185, 7123), (198, 7156), (230, 7255), (256, 7339), (258, 7342), (269, 7381), (295, 7450), (300, 7474), (310, 7540), (336, 7630), (380, 7795), (403, 7882), (411, 7915), (443, 7981), (469, 8053), (470, 8056), (480, 8080), (507, 8131), (512, 8146), (523, 8185), (530, 8206), (556, 8302), (642, 8539), (666, 8569), (668, 8572),

Gene: Typhonomachy_5 Start: 1113, Stop: 2792, Start Num: 103

Candidate Starts for Typhonomachy_5:

(Start: 103 @1113 has 70 MA's), (Start: 132 @1164 has 1 MA's), (141, 1185), (Start: 142 @1188 has 2 MA's), (167, 1230), (191, 1311), (210, 1377), (212, 1386), (239, 1458), (243, 1473), (252, 1509), (258, 1518), (273, 1569), (302, 1668), (313, 1722), (327, 1758), (363, 1902), (373, 1938), (390, 2010), (403, 2058), (411, 2091), (416, 2115), (442, 2148), (459, 2181), (469, 2238), (473, 2247), (510, 2331), (519, 2358), (537, 2418), (567, 2514), (599, 2586), (605, 2598), (637, 2718), (666, 2778), (668, 2781),

Gene: U2_11 Start: 6935, Stop: 8623, Start Num: 54

Candidate Starts for U2_11:

(Start: 54 @6935 has 363 MA's), (198, 7199), (201, 7223), (246, 7358), (258, 7385), (267, 7418), (295, 7493), (310, 7583), (316, 7607), (328, 7634), (338, 7682), (360, 7751), (380, 7838), (394, 7895), (395, 7898), (481, 8123), (486, 8132), (490, 8144), (512, 8186), (519, 8207), (529, 8234), (556, 8342), (598, 8432), (627, 8537),

Gene: Ugenie5_10 Start: 8142, Stop: 9929, Start Num: 55

Candidate Starts for Ugenie5_10:

(Start: 55 @8142 has 222 MA's), (Start: 68 @8157 has 32 MA's), (Start: 72 @8163 has 5 MA's), (139, 8274), (164, 8373), (212, 8535), (241, 8607), (258, 8661), (269, 8700), (295, 8772), (310, 8862), (316, 8886), (352, 9003), (357, 9018), (383, 9126), (402, 9201), (411, 9237), (429, 9297), (476, 9417), (484, 9438), (507, 9477), (523, 9531), (524, 9534), (530, 9552), (544, 9606), (551, 9636), (556, 9648), (598, 9738), (606, 9756), (642, 9885), (665, 9912), (666, 9915),

Gene: UhSalsa_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for UhSalsa_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (258, 3615), (262, 3630), (287, 3690), (310, 3798), (328, 3855), (378, 4053), (386, 4071), (397, 4125), (446, 4236), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Ulysses_10 Start: 6603, Stop: 8300, Start Num: 54

Candidate Starts for Ulysses_10:

(Start: 54 @6603 has 363 MA's), (Start: 74 @6627 has 1 MA's), (Start: 142 @6750 has 2 MA's), (185, 6840), (198, 6873), (230, 6972), (256, 7056), (258, 7059), (269, 7098), (295, 7167), (300, 7191), (310, 7257), (336, 7347), (380, 7512), (403, 7599), (411, 7632), (443, 7698), (469, 7770), (470, 7773), (480, 7797), (507, 7848), (512, 7863), (523, 7902), (530, 7923), (556, 8019), (642, 8256), (666, 8286), (668, 8289),

Gene: UnionJack_9 Start: 5697, Stop: 7475, Start Num: 29

Candidate Starts for UnionJack_9:

(Start: 29 @5697 has 19 MA's), (Start: 32 @5724 has 30 MA's), (66, 5793), (Start: 90 @5832 has 1 MA's), (135, 5907), (139, 5913), (191, 6045), (212, 6120), (214, 6123), (279, 6297), (287, 6321), (310, 6429), (324, 6474), (344, 6552), (346, 6558), (388, 6723), (397, 6756), (403, 6777), (470, 6951), (512, 7038), (516, 7050), (523, 7077), (530, 7098), (551, 7182), (556, 7194), (641, 7428), (642, 7431), (668, 7464), (670, 7470),

Gene: Unstoppable_6 Start: 2420, Stop: 4048, Start Num: 68

Candidate Starts for Unstoppable_6:

(Start: 53 @2402 has 92 MA's), (Start: 68 @2420 has 32 MA's), (180, 2624), (204, 2705), (248, 2840), (259, 2861), (292, 2948), (304, 3020), (310, 3044), (339, 3143), (357, 3197), (392, 3296), (407, 3356), (476, 3518), (479, 3527), (516, 3617), (523, 3644), (545, 3722), (546, 3725), (556, 3764), (567, 3785), (569, 3791), (573, 3809), (616, 3905), (630, 3965),

Gene: Updawg_14 Start: 7926, Stop: 9713, Start Num: 55

Candidate Starts for Updawg_14:

(10, 7740), (27, 7842), (Start: 55 @7926 has 222 MA's), (123, 8034), (133, 8055), (161, 8145), (164, 8163), (241, 8394), (256, 8445), (258, 8448), (295, 8556), (310, 8646), (316, 8670), (357, 8802), (470, 9189), (523, 9315), (530, 9336), (551, 9420), (556, 9432), (642, 9669), (665, 9696), (666, 9699), (668, 9702), (669, 9705),

Gene: Urza_6 Start: 2578, Stop: 4239, Start Num: 53

Candidate Starts for Urza_6:

(Start: 53 @2578 has 92 MA's), (159, 2761), (175, 2797), (231, 2968), (248, 3031), (269, 3088), (292, 3139), (304, 3211), (310, 3235), (319, 3268), (331, 3304), (339, 3334), (346, 3355), (368, 3448), (392, 3487), (398, 3511), (407, 3547), (470, 3697), (479, 3718), (488, 3739), (524, 3838), (556, 3955), (573, 4000),

Gene: UtzChips_2 Start: 634, Stop: 2352, Start Num: 68

Candidate Starts for UtzChips_2:

(Start: 68 @634 has 32 MA's), (235, 1006), (248, 1057), (258, 1075), (302, 1225), (457, 1720), (556, 2026), (563, 2041), (616, 2206), (634, 2278),

Gene: VA6_12 Start: 7428, Stop: 9218, Start Num: 55

Candidate Starts for VA6_12:

(12, 7254), (Start: 55 @7428 has 222 MA's), (123, 7536), (133, 7557), (164, 7665), (258, 7953), (295, 8061), (310, 8151), (316, 8175), (352, 8292), (357, 8307), (439, 8607), (516, 8793), (523, 8820), (530, 8841), (556, 8937), (642, 9174), (665, 9201), (666, 9204),

Gene: VC3_15 Start: 7374, Stop: 9164, Start Num: 55

Candidate Starts for VC3_15:

(Start: 29 @7296 has 19 MA's), (41, 7347), (Start: 55 @7374 has 222 MA's), (123, 7482), (133, 7503), (155, 7569), (164, 7611), (172, 7635), (212, 7773), (256, 7893), (258, 7896), (295, 8007), (310, 8097), (316, 8121), (336, 8187), (347, 8223), (356, 8250), (357, 8253), (439, 8553), (470, 8640), (484, 8673), (516, 8739), (523, 8766), (530, 8787), (551, 8871), (556, 8883), (599, 8976), (606, 8991), (642, 9120), (665, 9147), (666, 9150),

Gene: VRedHorse_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for VRedHorse_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (358, 1346), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (577, 1964), (583, 1979), (597, 2006), (608, 2030), (611, 2039), (616, 2060), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: VResidence_2 Start: 601, Stop: 2307, Start Num: 77

Candidate Starts for VResidence_2:

(Start: 77 @601 has 7 MA's), (83, 610), (93, 631), (Start: 132 @688 has 1 MA's), (258, 1030), (263, 1051), (274, 1078), (302, 1168), (305, 1192), (327, 1267), (346, 1342), (412, 1555), (425, 1594), (470, 1717), (546, 1936), (556, 1972), (563, 1987), (634, 2230),

Gene: VWB_2 Start: 559, Stop: 2169, Start Num: 139

Candidate Starts for VWB_2:

(Start: 100 @493 has 9 MA's), (139, 559), (182, 661), (187, 676), (212, 766), (236, 823), (239, 838), (243, 853), (258, 898), (314, 1093), (363, 1270), (384, 1345), (423, 1498), (448, 1525), (450, 1528), (459, 1549), (466, 1588), (488, 1651), (507, 1711), (512, 1726), (524, 1768), (529, 1774), (546, 1846), (548, 1852), (555, 1882), (565, 1903), (601, 1981), (620, 2035), (657, 2149),

Gene: Vanisoa_11 Start: 6197, Stop: 7987, Start Num: 55

Candidate Starts for Vanisoa_11:

(Start: 55 @6197 has 222 MA's), (Start: 68 @6212 has 32 MA's), (139, 6329), (164, 6428), (212, 6590), (221, 6623), (241, 6662), (258, 6716), (269, 6755), (295, 6827), (301, 6854), (310, 6917), (316, 6941),

(352, 7058), (357, 7073), (383, 7181), (402, 7256), (430, 7355), (448, 7388), (476, 7472), (484, 7493), (523, 7589), (524, 7592), (530, 7610), (544, 7664), (551, 7694), (556, 7706), (599, 7799), (606, 7814), (621, 7865), (642, 7943), (665, 7970), (666, 7973),

Gene: Vanseggelen_9 Start: 2121, Stop: 3767, Start Num: 53

Candidate Starts for Vanseggelen_9:

(Start: 50 @2112 has 1 MA's), (Start: 53 @2121 has 92 MA's), (Start: 54 @2124 has 363 MA's), (Start: 68 @2139 has 32 MA's), (99, 2193), (180, 2343), (187, 2364), (231, 2496), (239, 2517), (243, 2532), (248, 2559), (252, 2568), (259, 2580), (292, 2667), (301, 2715), (302, 2718), (304, 2739), (310, 2763), (339, 2862), (392, 3015), (397, 3036), (407, 3075), (431, 3135), (470, 3225), (473, 3231), (479, 3246), (484, 3258), (507, 3309), (516, 3336), (523, 3363), (544, 3438), (556, 3483), (569, 3510), (573, 3528), (630, 3684),

Gene: Vash_2 Start: 591, Stop: 2153, Start Num: 129

Candidate Starts for Vash_2:

(Start: 129 @591 has 2 MA's), (170, 660), (215, 816), (226, 864), (245, 945), (246, 948), (258, 969), (259, 972), (264, 990), (266, 999), (278, 1020), (289, 1053), (296, 1083), (298, 1098), (325, 1191), (362, 1314), (372, 1347), (390, 1380), (414, 1479), (449, 1542), (453, 1548), (468, 1617), (472, 1623), (491, 1668), (493, 1674), (509, 1722), (534, 1827), (535, 1830), (539, 1848), (600, 2004), (610, 2028), (612, 2031), (628, 2103),

Gene: VasuNzinga_35 Start: 10327, Stop: 12069, Start Num: 103

Candidate Starts for VasuNzinga_35:

(Start: 103 @10327 has 70 MA's), (166, 10444), (180, 10489), (195, 10555), (196, 10570), (201, 10603), (202, 10606), (207, 10621), (214, 10645), (216, 10648), (230, 10678), (236, 10699), (239, 10717), (242, 10726), (249, 10762), (258, 10777), (273, 10822), (292, 10864), (298, 10903), (302, 10915), (304, 10936), (317, 10987), (328, 11008), (390, 11230), (416, 11335), (419, 11344), (450, 11377), (459, 11398), (460, 11401), (465, 11428), (470, 11458), (476, 11470), (481, 11485), (486, 11494), (488, 11500), (506, 11542), (508, 11551), (514, 11566), (519, 11581), (537, 11641), (544, 11680), (552, 11713), (567, 11743), (568, 11746), (590, 11830), (605, 11884), (610, 11899), (619, 11926), (630, 11980), (665, 12052), (666, 12055),

Gene: Verabelle_7 Start: 2488, Stop: 4134, Start Num: 53

Candidate Starts for Verabelle_7:

(Start: 53 @2488 has 92 MA's), (Start: 68 @2506 has 32 MA's), (180, 2710), (204, 2791), (205, 2794), (248, 2926), (259, 2947), (292, 3034), (310, 3130), (336, 3217), (339, 3229), (357, 3283), (407, 3442), (412, 3460), (470, 3592), (479, 3613), (512, 3691), (516, 3703), (523, 3730), (546, 3811), (556, 3850), (569, 3877), (573, 3895), (636, 4072),

Gene: Veracruz_11 Start: 7044, Stop: 8741, Start Num: 54

Candidate Starts for Veracruz_11:

(Start: 54 @7044 has 363 MA's), (Start: 74 @7068 has 1 MA's), (198, 7314), (250, 7488), (258, 7500), (269, 7539), (278, 7551), (295, 7608), (300, 7632), (310, 7698), (313, 7707), (336, 7788), (346, 7821), (380, 7953), (386, 7965), (397, 8019), (403, 8040), (411, 8073), (438, 8127), (470, 8214), (480, 8238), (481, 8241), (484, 8247), (488, 8256), (512, 8304), (523, 8343), (524, 8346), (530, 8364), (556, 8460), (577, 8514), (632, 8667), (642, 8697), (666, 8727), (668, 8730),

Gene: Verse_6 Start: 2569, Stop: 4215, Start Num: 53

Candidate Starts for Verse_6:

(Start: 50 @2560 has 1 MA's), (Start: 53 @2569 has 92 MA's), (Start: 54 @2572 has 363 MA's), (Start: 68 @2587 has 32 MA's), (99, 2641), (112, 2665), (180, 2791), (204, 2872), (239, 2965), (243, 2980), (248, 3007), (252, 3016), (259, 3028), (292, 3115), (301, 3163), (310, 3211), (339, 3310), (352, 3349), (392, 3463), (397, 3484), (407, 3523), (470, 3673), (473, 3679), (479, 3694), (484, 3706), (507, 3757),

(523, 3811), (545, 3889), (546, 3892), (556, 3931), (569, 3958), (573, 3976), (630, 4132),

Gene: Veteran_2 Start: 588, Stop: 2225, Start Num: 88

Candidate Starts for Veteran_2:

(Start: 88 @588 has 156 MA's), (94, 603), (Start: 101 @612 has 3 MA's), (Start: 105 @618 has 1 MA's), (Start: 121 @645 has 1 MA's), (Start: 134 @669 has 2 MA's), (136, 672), (168, 735), (174, 753), (184, 774), (208, 861), (209, 867), (224, 921), (233, 933), (238, 945), (241, 954), (242, 957), (245, 978), (251, 999), (260, 1014), (276, 1071), (292, 1110), (303, 1179), (306, 1185), (314, 1215), (315, 1218), (316, 1227), (322, 1242), (328, 1260), (339, 1311), (367, 1413), (422, 1584), (435, 1596), (449, 1614), (470, 1680), (483, 1710), (485, 1713), (487, 1716), (512, 1773), (517, 1788), (519, 1794), (520, 1797), (523, 1812), (529, 1821), (545, 1890), (554, 1920), (571, 1962), (577, 1980), (583, 1995), (597, 2022), (611, 2055), (618, 2082), (619, 2085), (623, 2106), (627, 2130), (630, 2139), (632, 2142), (660, 2199),

Gene: VieEnRose_6 Start: 2652, Stop: 4313, Start Num: 53

Candidate Starts for VieEnRose_6:

(Start: 53 @2652 has 92 MA's), (159, 2835), (175, 2871), (231, 3042), (248, 3105), (269, 3162), (292, 3213), (304, 3285), (310, 3309), (319, 3342), (331, 3378), (339, 3408), (346, 3429), (368, 3522), (392, 3561), (398, 3585), (407, 3621), (431, 3681), (470, 3771), (479, 3792), (488, 3813), (524, 3912), (556, 4029), (573, 4074),

Gene: Vine_5 Start: 1901, Stop: 3577, Start Num: 103

Candidate Starts for Vine_5:

(Start: 103 @1901 has 70 MA's), (Start: 132 @1952 has 1 MA's), (141, 1973), (167, 2018), (180, 2060), (191, 2096), (210, 2162), (243, 2258), (252, 2294), (258, 2303), (259, 2306), (273, 2354), (279, 2366), (302, 2453), (314, 2510), (349, 2633), (363, 2687), (409, 2867), (416, 2900), (459, 2966), (473, 3032), (476, 3038), (512, 3122), (537, 3203), (544, 3236), (569, 3305), (605, 3383), (632, 3482), (637, 3503), (641, 3509), (666, 3563), (668, 3566),

Gene: Violac_2 Start: 652, Stop: 2208, Start Num: 134

Candidate Starts for Violac_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 121 @628 has 1 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (168, 718), (184, 757), (208, 844), (224, 904), (233, 916), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (358, 1345), (367, 1396), (422, 1567), (433, 1576), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795), (529, 1804), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (577, 1963), (583, 1978), (597, 2005), (611, 2038), (618, 2065), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Vivum_2 Start: 629, Stop: 2209, Start Num: 121

Candidate Starts for Vivum_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (233, 917), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (583, 1979), (597, 2006), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Vix_13 Start: 7039, Stop: 8739, Start Num: 57

Candidate Starts for Vix_13:

(Start: 57 @7039 has 139 MA's), (Start: 89 @7087 has 4 MA's), (166, 7222), (230, 7414), (258, 7501), (310, 7699), (336, 7789), (356, 7852), (395, 8014), (470, 8212), (480, 8236), (481, 8239), (512, 8302), (516, 8314), (519, 8323), (530, 8362), (556, 8458), (577, 8512), (598, 8548), (642, 8695), (666, 8725), (668, 8728),

Gene: VohminGhazi_15 Start: 7533, Stop: 9287, Start Num: 55

Candidate Starts for VohminGhazi_15:

(Start: 55 @7533 has 222 MA's), (164, 7764), (180, 7815), (191, 7851), (212, 7926), (258, 8049), (269, 8088), (295, 8157), (300, 8181), (301, 8184), (310, 8247), (316, 8271), (346, 8370), (347, 8373), (356, 8400), (357, 8403), (443, 8688), (476, 8775), (480, 8787), (512, 8850), (523, 8889), (530, 8910), (551, 8994), (556, 9006), (642, 9243), (665, 9270), (666, 9273),

Gene: VroomVroom_2 Start: 553, Stop: 2283, Start Num: 53

Candidate Starts for VroomVroom_2:

(Start: 53 @553 has 92 MA's), (Start: 132 @667 has 1 MA's), (191, 811), (232, 931), (235, 940), (248, 991), (258, 1009), (274, 1057), (302, 1150), (367, 1414), (481, 1726), (537, 1879), (556, 1954), (563, 1969), (587, 2047), (605, 2098), (634, 2206), (666, 2269),

Gene: Wachhund_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Wachhund_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (358, 1346), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (449, 1598), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (577, 1964), (583, 1979), (597, 2006), (608, 2030), (611, 2039), (616, 2060), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Waits_14 Start: 6653, Stop: 8350, Start Num: 55

Candidate Starts for Waits_14:

(Start: 55 @6653 has 222 MA's), (71, 6671), (166, 6833), (241, 7058), (258, 7112), (295, 7220), (301, 7247), (310, 7310), (316, 7334), (480, 7850), (512, 7913), (524, 7955), (556, 8069), (605, 8174), (642, 8306), (665, 8333), (666, 8336), (668, 8339),

Gene: WalterMcMickey_11 Start: 6715, Stop: 8406, Start Num: 54

Candidate Starts for WalterMcMickey_11:

(Start: 54 @6715 has 363 MA's), (Start: 74 @6739 has 1 MA's), (Start: 142 @6862 has 2 MA's), (191, 6982), (198, 6994), (208, 7039), (230, 7093), (239, 7120), (243, 7135), (258, 7180), (269, 7219), (292, 7267), (295, 7288), (300, 7312), (310, 7363), (346, 7486), (380, 7618), (399, 7693), (411, 7738), (443, 7804), (470, 7879), (480, 7903), (512, 7969), (523, 8008), (524, 8011), (530, 8029), (556, 8125), (583, 8194), (642, 8362), (666, 8392), (668, 8395),

Gene: Wander_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for Wander_11:

(Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (230, 7253), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Warda_2 Start: 533, Stop: 2239, Start Num: 75

Candidate Starts for Warda_2:

(Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1649), (556, 1904), (563, 1919), (605, 2054), (626, 2138), (634, 2162),

Gene: Warrior24_15 Start: 6657, Stop: 8354, Start Num: 55

Candidate Starts for Warrior24_15:

(Start: 55 @6657 has 222 MA's), (71, 6675), (166, 6837), (212, 6993), (241, 7062), (258, 7116), (295, 7224), (301, 7251), (310, 7314), (316, 7338), (480, 7854), (512, 7917), (524, 7959), (556, 8073), (605, 8178), (642, 8310), (665, 8337), (666, 8340), (668, 8343),

Gene: Watermelon_13 Start: 7861, Stop: 9549, Start Num: 54

Candidate Starts for Watermelon_13:

(Start: 54 @7861 has 363 MA's), (198, 8125), (201, 8149), (258, 8311), (267, 8344), (295, 8419), (310, 8509), (316, 8533), (328, 8560), (338, 8608), (360, 8677), (380, 8764), (395, 8824), (486, 9058), (490, 9070), (512, 9112), (519, 9133), (529, 9160), (556, 9268), (598, 9358), (627, 9463),

Gene: Watson_13 Start: 6949, Stop: 8649, Start Num: 57

Candidate Starts for Watson_13:

(Start: 57 @6949 has 139 MA's), (Start: 89 @6997 has 4 MA's), (166, 7132), (230, 7324), (258, 7411), (310, 7609), (336, 7699), (356, 7762), (395, 7924), (470, 8122), (480, 8146), (481, 8149), (512, 8212), (519, 8233), (530, 8272), (556, 8368), (577, 8422), (598, 8458), (642, 8605), (666, 8635), (668, 8638),

Gene: Wee_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Wee_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (241, 953), (242, 956), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: WeiHuaDA_18 Start: 9697, Stop: 11484, Start Num: 55

Candidate Starts for WeiHuaDA_18:

(Start: 55 @9697 has 222 MA's), (123, 9805), (133, 9826), (164, 9934), (180, 9985), (191, 10021), (256, 10216), (258, 10219), (295, 10327), (310, 10417), (316, 10441), (357, 10573), (470, 10960), (516, 11059), (523, 11086), (524, 11089), (530, 11107), (556, 11203), (642, 11440), (665, 11467), (666, 11470), (668, 11473), (669, 11476),

Gene: Werner_6 Start: 2377, Stop: 4023, Start Num: 53

Candidate Starts for Werner_6:

(Start: 53 @2377 has 92 MA's), (Start: 68 @2395 has 32 MA's), (Start: 142 @2527 has 2 MA's), (180, 2599), (191, 2635), (248, 2815), (259, 2836), (277, 2881), (292, 2923), (304, 2995), (310, 3019), (339, 3118), (344, 3133), (352, 3157), (354, 3163), (407, 3331), (470, 3481), (479, 3502), (507, 3565), (516, 3592), (546, 3700), (556, 3739), (567, 3760), (569, 3766), (573, 3784), (616, 3880), (630, 3940), (670, 4018),

Gene: Whabigail7_14 Start: 7898, Stop: 9685, Start Num: 55

Candidate Starts for Whabigail7_14:

(Start: 55 @7898 has 222 MA's), (123, 8006), (133, 8027), (155, 8093), (156, 8099), (164, 8135), (172, 8159), (191, 8222), (256, 8417), (258, 8420), (295, 8528), (310, 8618), (316, 8642), (338, 8717), (352, 8759), (357, 8774), (439, 9074), (516, 9260), (523, 9287), (530, 9308), (556, 9404), (642, 9641), (666,

9671),

Gene: Whatever_6 Start: 2377, Stop: 4023, Start Num: 53

Candidate Starts for Whatever_6:

(Start: 53 @2377 has 92 MA's), (Start: 68 @2395 has 32 MA's), (Start: 142 @2527 has 2 MA's), (180, 2599), (191, 2635), (248, 2815), (259, 2836), (277, 2881), (292, 2923), (304, 2995), (310, 3019), (339, 3118), (344, 3133), (352, 3157), (354, 3163), (407, 3331), (470, 3481), (479, 3502), (507, 3565), (516, 3592), (546, 3700), (556, 3739), (567, 3760), (569, 3766), (573, 3784), (616, 3880), (630, 3940), (670, 4018),

Gene: Whatsapiecost_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Whatsapiecost_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Wheeler_11 Start: 7027, Stop: 8715, Start Num: 54

Candidate Starts for Wheeler_11:

(Start: 54 @7027 has 363 MA's), (198, 7291), (201, 7315), (258, 7477), (267, 7510), (295, 7585), (310, 7675), (316, 7699), (328, 7726), (338, 7774), (380, 7930), (395, 7990), (486, 8224), (490, 8236), (512, 8278), (519, 8299), (529, 8326), (556, 8434), (598, 8524), (627, 8629),

Gene: Wheezy_24 Start: 12135, Stop: 13862, Start Num: 81

Candidate Starts for Wheezy_24:

(9, 11901), (30, 12030), (Start: 81 @12135 has 11 MA's), (167, 12285), (183, 12336), (184, 12342), (197, 12381), (202, 12411), (209, 12435), (212, 12453), (219, 12480), (228, 12543), (233, 12561), (314, 12846), (322, 12873), (345, 12957), (367, 13041), (371, 13053), (381, 13086), (408, 13164), (444, 13242), (470, 13314), (485, 13347), (502, 13410), (512, 13437), (520, 13461), (529, 13485), (558, 13584), (576, 13632), (627, 13770), (636, 13800), (669, 13854),

Gene: Whitty_3 Start: 724, Stop: 2607, Start Num: 42

Candidate Starts for Whitty_3:

(5, 475), (Start: 42 @724 has 7 MA's), (93, 805), (98, 814), (147, 910), (151, 922), (191, 1054), (242, 1201), (243, 1207), (248, 1234), (258, 1252), (282, 1315), (314, 1450), (364, 1651), (389, 1708), (473, 1927), (495, 1978), (503, 2002), (520, 2053), (547, 2182), (552, 2221), (556, 2230), (573, 2281), (585, 2320), (599, 2407), (605, 2419), (629, 2512), (634, 2527), (635, 2530),

Gene: WhoseManz_26 Start: 10017, Stop: 11744, Start Num: 82

Candidate Starts for WhoseManz_26:

(Start: 82 @10017 has 25 MA's), (Start: 121 @10080 has 1 MA's), (167, 10167), (183, 10218), (202, 10293), (205, 10302), (228, 10425), (233, 10443), (314, 10725), (322, 10752), (367, 10920), (371, 10932), (408, 11043), (485, 11226), (520, 11340), (523, 11355), (532, 11388), (558, 11463), (618, 11607), (627, 11649), (636, 11679), (661, 11721),

Gene: Whouxphf_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Whouxphf_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238,

929), (241, 938), (242, 941), (245, 962), (251, 983), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (367, 1397), (422, 1568), (435, 1580), (449, 1598), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (571, 1946), (577, 1964), (583, 1979), (597, 2006), (608, 2030), (611, 2039), (616, 2060), (618, 2066), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: WideWale_14 Start: 7926, Stop: 9713, Start Num: 55

Candidate Starts for WideWale_14:

(10, 7740), (27, 7842), (Start: 55 @7926 has 222 MA's), (123, 8034), (133, 8055), (161, 8145), (164, 8163), (241, 8394), (256, 8445), (258, 8448), (295, 8556), (310, 8646), (316, 8670), (357, 8802), (470, 9189), (523, 9315), (530, 9336), (551, 9420), (556, 9432), (642, 9669), (665, 9696), (666, 9699), (668, 9702), (669, 9705),

Gene: Wiks_15 Start: 7514, Stop: 9268, Start Num: 55

Candidate Starts for Wiks_15:

(Start: 55 @7514 has 222 MA's), (139, 7646), (164, 7745), (172, 7769), (180, 7796), (191, 7832), (212, 7907), (258, 8030), (262, 8045), (269, 8069), (295, 8138), (300, 8162), (301, 8165), (310, 8228), (316, 8252), (356, 8381), (357, 8384), (386, 8495), (438, 8657), (470, 8744), (476, 8756), (480, 8768), (507, 8816), (512, 8831), (523, 8870), (530, 8891), (551, 8975), (556, 8987), (642, 9224), (665, 9251), (666, 9254),

Gene: Wilbur_11 Start: 6883, Stop: 8580, Start Num: 54

Candidate Starts for Wilbur_11:

(Start: 54 @6883 has 363 MA's), (Start: 74 @6907 has 1 MA's), (Start: 142 @7030 has 2 MA's), (185, 7120), (198, 7153), (230, 7252), (256, 7336), (258, 7339), (269, 7378), (295, 7447), (300, 7471), (310, 7537), (336, 7627), (380, 7792), (403, 7879), (411, 7912), (443, 7978), (469, 8050), (470, 8053), (480, 8077), (507, 8128), (512, 8143), (523, 8182), (530, 8203), (556, 8299), (642, 8536), (666, 8566), (668, 8569),

Gene: Wildwest_3 Start: 1478, Stop: 3184, Start Num: 75

Candidate Starts for Wildwest_3:

(6, 1187), (7, 1190), (Start: 75 @1478 has 41 MA's), (Start: 89 @1499 has 4 MA's), (120, 1544), (258, 1907), (274, 1955), (302, 2045), (346, 2219), (412, 2432), (425, 2471), (470, 2594), (507, 2678), (544, 2807), (546, 2813), (556, 2849), (563, 2864), (605, 2999), (630, 3095), (634, 3107),

Gene: Wile_11 Start: 6894, Stop: 8591, Start Num: 54

Candidate Starts for Wile_11:

(Start: 54 @6894 has 363 MA's), (Start: 74 @6918 has 1 MA's), (198, 7164), (231, 7269), (256, 7347), (258, 7350), (269, 7389), (295, 7458), (300, 7482), (310, 7548), (336, 7638), (380, 7803), (392, 7848), (403, 7890), (411, 7923), (443, 7989), (469, 8061), (470, 8064), (480, 8088), (512, 8154), (523, 8193), (530, 8214), (556, 8310), (641, 8544), (642, 8547), (666, 8577), (668, 8580),

Gene: Wilkins_11 Start: 6738, Stop: 8426, Start Num: 54

Candidate Starts for Wilkins_11:

(Start: 54 @6738 has 363 MA's), (198, 7002), (201, 7026), (258, 7188), (267, 7221), (295, 7296), (310, 7386), (316, 7410), (328, 7437), (338, 7485), (380, 7641), (383, 7650), (394, 7698), (395, 7701), (481, 7926), (486, 7935), (490, 7947), (512, 7989), (519, 8010), (529, 8037), (556, 8145), (598, 8235), (627, 8340),

Gene: WillSterrel_2 Start: 575, Stop: 2212, Start Num: 88

Candidate Starts for WillSterrel_2:

(Start: 88 @575 has 156 MA's), (91, 584), (Start: 101 @599 has 3 MA's), (Start: 114 @620 has 1 MA's), (Start: 121 @632 has 1 MA's), (Start: 134 @656 has 2 MA's), (136, 659), (143, 677), (168, 722), (184, 761), (208, 848), (224, 908), (233, 920), (238, 932), (241, 941), (242, 944), (245, 965), (251, 986), (260, 1001), (276, 1058), (292, 1097), (303, 1166), (306, 1172), (314, 1202), (315, 1205), (316, 1214), (322, 1229), (328, 1247), (339, 1298), (365, 1391), (367, 1400), (422, 1571), (435, 1583), (449, 1601), (470, 1667), (483, 1697), (485, 1700), (487, 1703), (512, 1760), (517, 1775), (519, 1781), (520, 1784), (523, 1799), (529, 1808), (545, 1877), (554, 1907), (558, 1916), (571, 1949), (583, 1982), (597, 2009), (611, 2042), (618, 2069), (619, 2072), (623, 2093), (627, 2117), (630, 2126), (632, 2129), (660, 2186),

Gene: WilliamBoone_30 Start: 8027, Stop: 9775, Start Num: 95

Candidate Starts for WilliamBoone_30:

(Start: 95 @8027 has 23 MA's), (112, 8057), (152, 8132), (177, 8186), (180, 8198), (186, 8216), (205, 8282), (225, 8372), (233, 8411), (242, 8435), (256, 8483), (327, 8732), (330, 8750), (393, 8960), (398, 8975), (452, 9143), (470, 9224), (480, 9248), (515, 9335), (544, 9440), (555, 9482), (569, 9518), (577, 9542), (586, 9557), (646, 9731), (653, 9737),

Gene: Wizard007_11 Start: 6886, Stop: 8583, Start Num: 54

Candidate Starts for Wizard007_11:

(Start: 54 @6886 has 363 MA's), (Start: 74 @6910 has 1 MA's), (Start: 142 @7033 has 2 MA's), (185, 7123), (198, 7156), (230, 7255), (256, 7339), (258, 7342), (269, 7381), (295, 7450), (300, 7474), (310, 7540), (336, 7630), (380, 7795), (403, 7882), (411, 7915), (443, 7981), (469, 8053), (470, 8056), (480, 8080), (507, 8131), (512, 8146), (523, 8185), (530, 8206), (556, 8302), (642, 8539), (666, 8569), (668, 8572),

Gene: Wooldri_15 Start: 6868, Stop: 8568, Start Num: 57

Candidate Starts for Wooldri_15:

(Start: 57 @6868 has 139 MA's), (Start: 89 @6916 has 4 MA's), (166, 7051), (230, 7243), (258, 7330), (310, 7528), (336, 7618), (356, 7681), (395, 7843), (470, 8041), (480, 8065), (481, 8068), (512, 8131), (519, 8152), (530, 8191), (556, 8287), (577, 8341), (598, 8377), (642, 8524), (666, 8554), (668, 8557),

Gene: Wrigley_2 Start: 485, Stop: 2281, Start Num: 57

Candidate Starts for Wrigley_2:

(Start: 57 @485 has 139 MA's), (Start: 137 @611 has 2 MA's), (140, 620), (187, 779), (191, 794), (218, 878), (235, 920), (238, 926), (239, 929), (247, 968), (258, 989), (291, 1073), (302, 1127), (303, 1145), (313, 1181), (332, 1256), (347, 1307), (351, 1328), (370, 1409), (393, 1454), (403, 1487), (416, 1544), (460, 1613), (476, 1667), (481, 1682), (484, 1688), (488, 1697), (504, 1736), (512, 1754), (516, 1766), (546, 1904), (551, 1940), (556, 1952), (560, 1958), (569, 1976), (577, 2003), (584, 2027), (604, 2090), (616, 2132), (629, 2189), (639, 2219), (651, 2243), (666, 2267), (668, 2270),

Gene: WunderPhul_15 Start: 7514, Stop: 9268, Start Num: 55

Candidate Starts for WunderPhul_15:

(Start: 55 @7514 has 222 MA's), (139, 7646), (164, 7745), (172, 7769), (180, 7796), (191, 7832), (212, 7907), (258, 8030), (262, 8045), (269, 8069), (295, 8138), (300, 8162), (301, 8165), (310, 8228), (316, 8252), (356, 8381), (357, 8384), (386, 8495), (438, 8657), (470, 8744), (476, 8756), (480, 8768), (507, 8816), (512, 8831), (523, 8870), (530, 8891), (551, 8975), (556, 8987), (642, 9224), (665, 9251), (666, 9254),

Gene: XFactor_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for XFactor_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217),

(316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Xena_11 Start: 6881, Stop: 8578, Start Num: 54

Candidate Starts for Xena_11:

(Start: 54 @6881 has 363 MA's), (Start: 74 @6905 has 1 MA's), (198, 7151), (231, 7256), (256, 7334), (258, 7337), (269, 7376), (295, 7445), (300, 7469), (310, 7535), (336, 7625), (380, 7790), (392, 7835), (403, 7877), (411, 7910), (443, 7976), (469, 8048), (470, 8051), (480, 8075), (512, 8141), (523, 8180), (530, 8201), (556, 8297), (641, 8531), (642, 8534), (666, 8564), (668, 8567),

Gene: XianYue_12 Start: 7369, Stop: 9150, Start Num: 55

Candidate Starts for XianYue_12:

(21, 7249), (40, 7342), (Start: 55 @7369 has 222 MA's), (139, 7501), (Start: 142 @7513 has 2 MA's), (161, 7582), (164, 7600), (256, 7882), (258, 7885), (269, 7924), (295, 7993), (310, 8083), (316, 8107), (346, 8206), (356, 8236), (357, 8239), (470, 8626), (516, 8725), (523, 8752), (530, 8773), (551, 8857), (556, 8869), (642, 9106), (665, 9133), (666, 9136), (668, 9139), (669, 9142),

Gene: Yakult_5 Start: 1064, Stop: 2764, Start Num: 100

Candidate Starts for Yakult_5:

(Start: 100 @1064 has 9 MA's), (Start: 132 @1118 has 1 MA's), (141, 1139), (152, 1166), (241, 1430), (243, 1439), (245, 1454), (252, 1475), (258, 1484), (273, 1535), (279, 1547), (302, 1634), (327, 1724), (347, 1802), (363, 1868), (373, 1904), (416, 2081), (473, 2213), (524, 2342), (537, 2381), (538, 2387), (630, 2657), (643, 2699), (666, 2750), (668, 2753),

Gene: Yang_2 Start: 545, Stop: 2242, Start Num: 75

Candidate Starts for Yang_2:

(6, 242), (Start: 75 @545 has 41 MA's), (Start: 132 @632 has 1 MA's), (240, 917), (258, 974), (269, 1016), (302, 1112), (313, 1166), (346, 1286), (367, 1376), (470, 1661), (516, 1772), (537, 1841), (556, 1916), (563, 1931), (605, 2057), (626, 2141), (634, 2165),

Gene: Yarn_3 Start: 1114, Stop: 2793, Start Num: 103

Candidate Starts for Yarn_3:

(Start: 103 @1114 has 70 MA's), (Start: 132 @1165 has 1 MA's), (141, 1186), (Start: 142 @1189 has 2 MA's), (167, 1231), (187, 1297), (204, 1357), (210, 1378), (212, 1387), (243, 1474), (252, 1510), (258, 1519), (273, 1570), (302, 1669), (304, 1690), (313, 1723), (327, 1759), (363, 1903), (373, 1939), (384, 1978), (419, 2125), (442, 2149), (473, 2248), (510, 2332), (537, 2419), (567, 2515), (591, 2563), (599, 2587), (618, 2638), (637, 2719), (666, 2779), (668, 2782),

Gene: Yasdnii_6 Start: 2376, Stop: 4022, Start Num: 53

Candidate Starts for Yasdnii_6:

(Start: 53 @2376 has 92 MA's), (Start: 68 @2394 has 32 MA's), (180, 2598), (191, 2634), (248, 2814), (259, 2835), (292, 2922), (304, 2994), (310, 3018), (339, 3117), (344, 3132), (352, 3156), (354, 3162), (407, 3330), (431, 3390), (470, 3480), (479, 3501), (516, 3591), (546, 3699), (556, 3738), (567, 3759), (569, 3765), (573, 3783), (630, 3939), (670, 4017),

Gene: Yecey3_12 Start: 6313, Stop: 8085, Start Num: 68

Candidate Starts for Yecey3_12:

(Start: 68 @6313 has 32 MA's), (139, 6430), (164, 6529), (212, 6691), (241, 6763), (258, 6817), (269, 6856), (295, 6928), (310, 7018), (313, 7027), (316, 7042), (352, 7159), (357, 7174), (383, 7282), (402, 7357), (411, 7393), (429, 7453), (448, 7489), (458, 7513), (484, 7594), (507, 7633), (523, 7687), (530, 7708), (551, 7792), (556, 7804), (599, 7897), (606, 7912), (621, 7963), (642, 8041), (665, 8068), (666,

8071),

Gene: YesChef_2 Start: 533, Stop: 2290, Start Num: 75

Candidate Starts for YesChef_2:

(6, 242), (8, 251), (Start: 75 @533 has 41 MA's), (240, 905), (258, 962), (274, 1010), (302, 1100), (313, 1154), (346, 1274), (367, 1364), (425, 1526), (470, 1700), (556, 1955), (563, 1970), (583, 2024), (605, 2105), (626, 2189), (634, 2213),

Gene: Yndexa_26 Start: 11957, Stop: 13684, Start Num: 82

Candidate Starts for Yndexa_26:

(Start: 82 @11957 has 25 MA's), (167, 12107), (183, 12158), (202, 12233), (205, 12242), (228, 12365), (233, 12383), (314, 12665), (322, 12692), (367, 12860), (371, 12872), (408, 12983), (485, 13166), (520, 13280), (523, 13295), (532, 13328), (558, 13403), (618, 13547), (627, 13589), (636, 13619), (661, 13661),

Gene: YoSam321_11 Start: 6884, Stop: 8581, Start Num: 54

Candidate Starts for YoSam321_11:

(13, 6707), (17, 6725), (Start: 20 @6755 has 1 MA's), (Start: 54 @6884 has 363 MA's), (Start: 74 @6908 has 1 MA's), (Start: 142 @7031 has 2 MA's), (185, 7121), (198, 7154), (256, 7337), (258, 7340), (269, 7379), (295, 7448), (300, 7472), (310, 7538), (336, 7628), (380, 7793), (403, 7880), (411, 7913), (443, 7979), (469, 8051), (470, 8054), (480, 8078), (507, 8129), (512, 8144), (523, 8183), (530, 8204), (556, 8300), (642, 8537), (666, 8567), (668, 8570),

Gene: Yogi_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Yogi_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (262, 3630), (287, 3690), (300, 3747), (301, 3750), (310, 3798), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Yokurt_15 Start: 7514, Stop: 9268, Start Num: 55

Candidate Starts for Yokurt_15:

(Start: 55 @7514 has 222 MA's), (139, 7646), (164, 7745), (172, 7769), (180, 7796), (191, 7832), (212, 7907), (258, 8030), (262, 8045), (269, 8069), (295, 8138), (300, 8162), (301, 8165), (310, 8228), (316, 8252), (356, 8381), (357, 8384), (386, 8495), (438, 8657), (470, 8744), (476, 8756), (480, 8768), (507, 8816), (512, 8831), (523, 8870), (530, 8891), (551, 8975), (556, 8987), (642, 9224), (665, 9251), (666, 9254),

Gene: Yoncess_8 Start: 3156, Stop: 4838, Start Num: 57

Candidate Starts for Yoncess_8:

(Start: 57 @3156 has 139 MA's), (Start: 169 @3342 has 2 MA's), (191, 3414), (198, 3426), (201, 3450), (205, 3462), (262, 3630), (287, 3690), (300, 3747), (301, 3750), (310, 3798), (378, 4053), (386, 4071), (397, 4125), (460, 4269), (470, 4311), (484, 4344), (516, 4413), (556, 4557), (573, 4602), (605, 4662), (630, 4761), (642, 4794), (665, 4821), (666, 4824), (668, 4827),

Gene: Yorick_2 Start: 571, Stop: 2208, Start Num: 88

Candidate Starts for Yorick_2:

(Start: 88 @571 has 156 MA's), (91, 580), (Start: 101 @595 has 3 MA's), (Start: 114 @616 has 1 MA's), (Start: 121 @628 has 1 MA's), (Start: 134 @652 has 2 MA's), (136, 655), (143, 673), (168, 718), (184, 757), (208, 844), (209, 850), (224, 904), (238, 928), (241, 937), (242, 940), (245, 961), (251, 982), (260, 997), (276, 1054), (292, 1093), (303, 1162), (306, 1168), (314, 1198), (315, 1201), (316, 1210), (322, 1225), (328, 1243), (339, 1294), (365, 1387), (367, 1396), (422, 1567), (435, 1579), (470, 1663), (483, 1693), (485, 1696), (487, 1699), (512, 1756), (517, 1771), (519, 1777), (520, 1780), (523, 1795),

(529, 1804), (538, 1843), (545, 1873), (554, 1903), (558, 1912), (571, 1945), (583, 1978), (597, 2005), (611, 2038), (619, 2068), (623, 2089), (627, 2113), (630, 2122), (632, 2125), (660, 2182),

Gene: Yosif_7 Start: 2837, Stop: 4483, Start Num: 53

Candidate Starts for Yosif_7:

(46, 2822), (Start: 50 @2828 has 1 MA's), (Start: 53 @2837 has 92 MA's), (Start: 54 @2840 has 363 MA's), (Start: 68 @2855 has 32 MA's), (180, 3059), (191, 3095), (204, 3140), (205, 3143), (243, 3248), (248, 3275), (250, 3281), (252, 3284), (259, 3296), (292, 3383), (301, 3431), (310, 3479), (339, 3578), (368, 3692), (392, 3731), (397, 3752), (407, 3791), (470, 3941), (479, 3962), (484, 3974), (507, 4025), (523, 4079), (546, 4160), (556, 4199), (569, 4226), (573, 4244), (630, 4400), (670, 4478),

Gene: Yucky_5 Start: 1762, Stop: 3438, Start Num: 103

Candidate Starts for Yucky_5:

(Start: 103 @1762 has 70 MA's), (Start: 132 @1813 has 1 MA's), (141, 1834), (167, 1879), (180, 1921), (191, 1957), (210, 2023), (235, 2086), (243, 2119), (252, 2155), (258, 2164), (259, 2167), (273, 2215), (279, 2227), (302, 2314), (349, 2494), (363, 2548), (393, 2671), (409, 2728), (416, 2761), (459, 2827), (473, 2893), (476, 2899), (512, 2983), (537, 3064), (544, 3097), (569, 3166), (605, 3244), (632, 3343), (637, 3364), (641, 3370), (666, 3424), (668, 3427),

Gene: Yummy_5 Start: 1017, Stop: 2696, Start Num: 103

Candidate Starts for Yummy_5:

(Start: 103 @1017 has 70 MA's), (Start: 132 @1068 has 1 MA's), (141, 1089), (165, 1128), (191, 1215), (204, 1260), (210, 1281), (212, 1290), (239, 1362), (252, 1413), (258, 1422), (273, 1473), (302, 1572), (304, 1593), (313, 1626), (327, 1662), (363, 1806), (373, 1842), (384, 1881), (390, 1914), (403, 1962), (416, 2019), (442, 2052), (459, 2085), (473, 2151), (476, 2157), (506, 2223), (510, 2235), (512, 2241), (537, 2322), (567, 2418), (591, 2466), (618, 2541), (637, 2622), (666, 2682), (668, 2685),

Gene: Yvonnetastic_28 Start: 10462, Stop: 12180, Start Num: 95

Candidate Starts for Yvonnetastic_28:

(Start: 95 @10462 has 23 MA's), (119, 10498), (168, 10594), (225, 10807), (230, 10834), (233, 10846), (242, 10870), (280, 10984), (330, 11179), (343, 11227), (366, 11329), (393, 11389), (398, 11404), (476, 11647), (508, 11728), (516, 11749), (523, 11776), (544, 11851), (555, 11893), (629, 12094), (640, 12127),

Gene: Zainub_8 Start: 2746, Stop: 4392, Start Num: 53

Candidate Starts for Zainub_8:

(Start: 53 @2746 has 92 MA's), (Start: 142 @2896 has 2 MA's), (198, 3016), (201, 3040), (239, 3142), (248, 3184), (250, 3190), (259, 3205), (292, 3292), (304, 3364), (310, 3388), (339, 3487), (349, 3523), (357, 3541), (398, 3664), (407, 3700), (432, 3763), (470, 3850), (479, 3871), (484, 3883), (516, 3961), (523, 3988), (546, 4069), (556, 4108), (567, 4129), (573, 4153), (605, 4213), (630, 4309),

Gene: Zaka_15 Start: 7514, Stop: 9268, Start Num: 55

Candidate Starts for Zaka_15:

(Start: 55 @7514 has 222 MA's), (139, 7646), (164, 7745), (172, 7769), (180, 7796), (191, 7832), (212, 7907), (258, 8030), (262, 8045), (269, 8069), (295, 8138), (300, 8162), (301, 8165), (310, 8228), (316, 8252), (356, 8381), (357, 8384), (386, 8495), (438, 8657), (470, 8744), (476, 8756), (480, 8768), (507, 8816), (512, 8831), (523, 8870), (530, 8891), (551, 8975), (556, 8987), (642, 9224), (665, 9251), (666, 9254),

Gene: Zareef_7 Start: 2020, Stop: 3690, Start Num: 120

Candidate Starts for Zareef_7:

(Start: 103 @1990 has 70 MA's), (120, 2020), (141, 2062), (191, 2200), (205, 2248), (214, 2278), (230, 2311), (239, 2347), (243, 2362), (245, 2377), (258, 2407), (273, 2458), (302, 2557), (304, 2578), (327,

2647), (336, 2689), (345, 2719), (384, 2866), (394, 2917), (411, 2980), (416, 3004), (458, 3070), (465, 3103), (467, 3127), (469, 3130), (473, 3139), (481, 3160), (492, 3187), (512, 3232), (516, 3244), (518, 3250), (523, 3271), (533, 3310), (567, 3409), (579, 3445), (618, 3532), (637, 3613), (641, 3619), (666, 3676), (668, 3679),

Gene: Zeeculate_10 Start: 6722, Stop: 8410, Start Num: 54

Candidate Starts for Zeeculate_10:

(Start: 54 @6722 has 363 MA's), (198, 6986), (201, 7010), (258, 7172), (267, 7205), (295, 7280), (310, 7370), (316, 7394), (328, 7421), (338, 7469), (380, 7625), (395, 7685), (452, 7817), (481, 7910), (486, 7919), (490, 7931), (512, 7973), (519, 7994), (529, 8021), (556, 8129), (598, 8219), (627, 8324),

Gene: Zemlya_7 Start: 2376, Stop: 4022, Start Num: 53

Candidate Starts for Zemlya_7:

(Start: 53 @2376 has 92 MA's), (Start: 68 @2394 has 32 MA's), (180, 2598), (191, 2634), (248, 2814), (259, 2835), (277, 2880), (292, 2922), (304, 2994), (310, 3018), (339, 3117), (344, 3132), (352, 3156), (354, 3162), (407, 3330), (470, 3480), (479, 3501), (484, 3513), (516, 3591), (546, 3699), (556, 3738), (567, 3759), (569, 3765), (573, 3783), (630, 3939),

Gene: ZenTime222_3 Start: 724, Stop: 2607, Start Num: 42

Candidate Starts for ZenTime222_3:

(5, 475), (Start: 42 @724 has 7 MA's), (93, 805), (98, 814), (147, 910), (151, 922), (191, 1054), (242, 1201), (243, 1207), (248, 1234), (258, 1252), (282, 1315), (314, 1450), (364, 1651), (389, 1708), (473, 1927), (495, 1978), (503, 2002), (520, 2053), (547, 2182), (552, 2221), (556, 2230), (573, 2281), (585, 2320), (599, 2407), (605, 2419), (629, 2512), (634, 2527), (635, 2530),

Gene: Zephyr_11 Start: 6863, Stop: 8551, Start Num: 54

Candidate Starts for Zephyr_11:

(Start: 54 @6863 has 363 MA's), (Start: 169 @7043 has 2 MA's), (198, 7127), (205, 7163), (212, 7190), (258, 7313), (295, 7421), (310, 7511), (316, 7535), (328, 7562), (338, 7610), (360, 7679), (380, 7766), (395, 7826), (481, 8051), (486, 8060), (490, 8072), (512, 8114), (519, 8135), (529, 8162), (556, 8270), (598, 8360), (627, 8465),

Gene: Zerg_2 Start: 572, Stop: 2209, Start Num: 88

Candidate Starts for Zerg_2:

(Start: 88 @572 has 156 MA's), (91, 581), (Start: 101 @596 has 3 MA's), (Start: 121 @629 has 1 MA's), (Start: 134 @653 has 2 MA's), (136, 656), (168, 719), (184, 758), (208, 845), (224, 905), (238, 929), (241, 938), (242, 941), (245, 962), (251, 983), (260, 998), (276, 1055), (292, 1094), (303, 1163), (306, 1169), (314, 1199), (315, 1202), (316, 1211), (322, 1226), (328, 1244), (339, 1295), (358, 1346), (365, 1388), (367, 1397), (422, 1568), (435, 1580), (470, 1664), (483, 1694), (485, 1697), (487, 1700), (512, 1757), (517, 1772), (519, 1778), (520, 1781), (523, 1796), (529, 1805), (545, 1874), (554, 1904), (558, 1913), (571, 1946), (577, 1964), (583, 1979), (597, 2006), (608, 2030), (611, 2039), (619, 2069), (623, 2090), (627, 2114), (630, 2123), (632, 2126), (660, 2183),

Gene: Zeta1847_2 Start: 478, Stop: 2175, Start Num: 68

Candidate Starts for Zeta1847_2:

(Start: 68 @478 has 32 MA's), (173, 649), (181, 676), (187, 688), (212, 778), (235, 832), (258, 901), (274, 949), (524, 1726), (556, 1840), (634, 2098),

Gene: Zetzy_12 Start: 6522, Stop: 8222, Start Num: 57

Candidate Starts for Zetzy_12:

(Start: 57 @6522 has 139 MA's), (Start: 89 @6570 has 4 MA's), (Start: 132 @6642 has 1 MA's), (166, 6705), (258, 6984), (310, 7182), (336, 7272), (356, 7335), (395, 7497), (470, 7695), (480, 7719), (481, 7722), (512, 7785), (516, 7797), (519, 7806), (530, 7845), (556, 7941), (577, 7995), (598, 8031), (642,

8178), (666, 8208), (668, 8211),

Gene: Zeuska_12 Start: 7541, Stop: 9229, Start Num: 54

Candidate Starts for Zeuska_12:

(Start: 54 @7541 has 363 MA's), (Start: 169 @7721 has 2 MA's), (198, 7805), (205, 7841), (212, 7868), (258, 7991), (295, 8099), (310, 8189), (316, 8213), (328, 8240), (338, 8288), (360, 8357), (380, 8444), (395, 8504), (481, 8729), (486, 8738), (490, 8750), (512, 8792), (519, 8813), (529, 8840), (556, 8948), (598, 9038), (627, 9143),

Gene: Zimmer_14 Start: 9025, Stop: 10809, Start Num: 55

Candidate Starts for Zimmer_14:

(39, 8998), (Start: 55 @9025 has 222 MA's), (139, 9157), (157, 9223), (164, 9256), (191, 9343), (241, 9487), (258, 9541), (269, 9580), (295, 9652), (310, 9742), (316, 9766), (346, 9865), (352, 9883), (357, 9898), (392, 10042), (448, 10213), (470, 10285), (507, 10357), (512, 10372), (530, 10432), (556, 10528), (598, 10618), (641, 10762), (642, 10765), (665, 10792), (666, 10795), (668, 10798),

Gene: Zizzle_2 Start: 587, Stop: 2224, Start Num: 88

Candidate Starts for Zizzle_2:

(Start: 88 @587 has 156 MA's), (94, 602), (Start: 101 @611 has 3 MA's), (Start: 105 @617 has 1 MA's), (Start: 121 @644 has 1 MA's), (Start: 134 @668 has 2 MA's), (136, 671), (168, 734), (174, 752), (184, 773), (208, 860), (209, 866), (224, 920), (233, 932), (238, 944), (241, 953), (242, 956), (245, 977), (251, 998), (260, 1013), (276, 1070), (292, 1109), (303, 1178), (306, 1184), (314, 1214), (315, 1217), (316, 1226), (322, 1241), (328, 1259), (339, 1310), (367, 1412), (422, 1583), (435, 1595), (449, 1613), (470, 1679), (483, 1709), (485, 1712), (487, 1715), (512, 1772), (517, 1787), (519, 1793), (520, 1796), (523, 1811), (529, 1820), (545, 1889), (554, 1919), (558, 1928), (571, 1961), (583, 1994), (597, 2021), (611, 2054), (618, 2081), (619, 2084), (623, 2105), (627, 2129), (630, 2138), (632, 2141), (660, 2198),

Gene: Zolita_8 Start: 6266, Stop: 8017, Start Num: 32

Candidate Starts for Zolita_8:

(Start: 29 @6239 has 19 MA's), (Start: 32 @6266 has 30 MA's), (66, 6335), (Start: 90 @6374 has 1 MA's), (135, 6449), (139, 6455), (191, 6587), (212, 6662), (214, 6665), (241, 6731), (279, 6839), (287, 6863), (310, 6971), (324, 7016), (344, 7094), (346, 7100), (347, 7103), (388, 7265), (390, 7271), (397, 7298), (470, 7493), (480, 7517), (512, 7580), (516, 7592), (523, 7619), (530, 7640), (544, 7694), (551, 7724), (556, 7736), (642, 7973), (668, 8006), (670, 8012),

Gene: Zulu_15 Start: 7513, Stop: 9267, Start Num: 55

Candidate Starts for Zulu_15:

(Start: 55 @7513 has 222 MA's), (139, 7645), (164, 7744), (172, 7768), (180, 7795), (191, 7831), (212, 7906), (258, 8029), (262, 8044), (269, 8068), (295, 8137), (300, 8161), (301, 8164), (310, 8227), (316, 8251), (356, 8380), (357, 8383), (386, 8494), (438, 8656), (470, 8743), (476, 8755), (480, 8767), (507, 8815), (512, 8830), (523, 8869), (530, 8890), (551, 8974), (556, 8986), (642, 9223), (665, 9250), (666, 9253),

Gene: phiBT1_33 Start: 597, Stop: 2180, Start Num: 116

Candidate Starts for phiBT1_33:

(113, 591), (116, 597), (170, 687), (213, 840), (215, 843), (217, 849), (226, 891), (245, 972), (246, 975), (258, 996), (259, 999), (266, 1026), (278, 1047), (288, 1077), (289, 1080), (298, 1125), (318, 1209), (372, 1374), (414, 1506), (461, 1620), (468, 1647), (472, 1653), (491, 1698), (493, 1704), (509, 1752), (534, 1857), (535, 1860), (552, 1929), (564, 1956), (600, 2034), (603, 2037), (610, 2058), (612, 2061),

Gene: phiCAM_06 Start: 2516, Stop: 4162, Start Num: 53

Candidate Starts for phiCAM_06:

(Start: 50 @2507 has 1 MA's), (Start: 53 @2516 has 92 MA's), (Start: 54 @2519 has 363 MA's), (Start: 68 @2534 has 32 MA's), (99, 2588), (112, 2612), (180, 2738), (187, 2759), (191, 2774), (239, 2912), (243, 2927), (248, 2954), (252, 2963), (259, 2975), (292, 3062), (295, 3083), (301, 3110), (310, 3158), (339, 3257), (392, 3410), (397, 3431), (407, 3470), (470, 3620), (473, 3626), (479, 3641), (484, 3653), (507, 3704), (523, 3758), (556, 3878), (569, 3905), (573, 3923), (630, 4079),

Gene: phiSASD1_22 Start: 558, Stop: 2168, Start Num: 106

Candidate Starts for phiSASD1_22:

(Start: 106 @558 has 1 MA's), (117, 582), (167, 651), (178, 684), (189, 735), (194, 753), (197, 759), (233, 924), (245, 981), (247, 990), (258, 1011), (266, 1041), (278, 1059), (281, 1068), (308, 1182), (314, 1203), (319, 1224), (328, 1239), (365, 1365), (416, 1521), (456, 1590), (478, 1662), (516, 1770), (523, 1797), (541, 1839), (551, 1875), (562, 1902), (566, 1908), (610, 2013), (627, 2082), (628, 2085), (630, 2091), (658, 2157),