

1. DontArgue_31	195	52	77	95	106	109	118	135	159	202	212	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476					
2. WalterMcMickey_33 + 1	195	36	52	69	77	100	104	108	120	135	151	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476			
3. Poompha_31	195	13	52			83	100	104	108	120	135	151	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476		
4. Topanga_33	195	36	52				100	104	108	120	135	151	167	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476	
5. KittenMittens_31	195						88	100	104	108	120	135	151	167	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476
6. Chupacabra_32	195	36	52	77			100	104	108	120	135	151	166	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476	
7. PeaceMeal1_31	195			58			98	100	104	108	120	135	151	166	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476
8. Kristoff_34	195			58	69		100	104	108	120	135	151	166	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476	
9. Eaglepride_34	195			58			88	100	104	108	120	135	151	166	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476
10. RhynO_34	195			58			98	100	104	108	120	135	151	166	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476
11. Edison31_33	195	36	52	77			100	104	108	120	135	151	166	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476	
12. Drake94_31	195						88	100	104	108	120	135	151	166	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476
13. Goose_32	195			58			98	100	104	108	120	135	151	166	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476
14. Rebeuca_34	195						88	100	104	108	120	135	151	166	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476
15. OKCentral2016_32	195			58			98	100	104	108	120	135	151	166	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476
16. Shapes_37 + 2	195	36	52	77			100	104	108	120	135	151	166	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	449	476	
17. Tnke_30	195	36	52	77			88	100	104	110	120	135	151	166	175	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476
18. Severus_31	195	13	33	78							131	151	166	175	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476	
19. Sunhee_31	195	36	52	59	76						131	151	166	175	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476	
20. Jeeves_31	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
21. SolorFago_31	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
22. Gail_31	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
23. Luchador_33	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
24. 4UAC_34	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
25. MyraDee_29	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
26. Kimona_28	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
27. Baehexic_32 + 1	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
28. Gratitude_32 + 3	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
29. TopsytheRex_30	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
30. Loser_35	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
31. Bradman_30 + 2	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
32. XianYue_31	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
33. Odin_30	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
34. Iwokeupikedis_32	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
35. Sknol_31 + 1	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
36. Pukovnik_33	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
37. Bengivulion_32	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
38. KingCyrus_33	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
39. DeerParkRS_33	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
40. BobSwagel_34	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
41. DBQu4n_34	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
42. Jaan_35	195	21			62	130				101	119	168	184	201	211	228	246	262	280	291	305	317	330	342	359	366	393	419	476		
43. LionsBait_32 + 1	195	21			62	130				101	119</																				

[illegible]

[illegible]

t51: B1_29	15	38	53	68	95	115	130	145	161	181	196	205	218	237	244	261	276	291	305	308	320	351	366	407	454	478	498	544	572		
t52: HaveUMetRed_34 + 1	15	38	53	68	95	115	130	145	161	181	196	205	218	237	244	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t53: MK4_31	15	38	53	68	95	115	130	145	161	181	196	205	218	237	244	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t54: SolidDragon_33	15	38	53	68	95	115	130	145	161	181	196	205	218	237	244	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t55: Rockstar_31	15	38	53	68	95	115	130	145	161	181	196	205	218	237	244	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t56: OlanP_33	15	38	53	68	95	113	130	145	161	181	196	211	218	237	244	261	276	291	305	308	320	351	366	391	401	421	454	478	498	544	572
t57: Phantastic_31	15	38	53	68	95	115	130	145	161	181	196	205	218	237	244	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t58: PhisnRPNFriends_32	16	34	50	66	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t59: HamSlice_30 + 8	12	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t60: Morpher26_31 + 11	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t61: Stasia_32	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t62: Pumba_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t63: Barumeaus_31 + 45	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t64: Bruiser_30 + 12	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t65: Arturo_30	12	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t66: Wile_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t67: Koan_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t68: Sunk_32 + 2	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t69: Mazhar510_31 + 6	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t70: Annyong_31 + 6	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t71: Nebs_31 + 4	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t72: LochMonster_31 + 4	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t73: OKaivui_32	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t74: Abdiel_30	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t75: Cintron_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t76: Broseidon_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t77: SheldonCooper_32 + 6	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t78: Tinybot_30 + 1	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t79: Tina-eyege_31 + 1	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t80: Kratak_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t81: Maxo_31 + 2	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t82: Camperdownii_30	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t83: Cindaradix_30	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t84: Mundrea_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t85: Enis_30 + 1	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t86: Scamp_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t87: Phontbonne_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t88: Noelle_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t89: Jaykayelowell_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t90: Huxley_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t91: Happiness_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t92: ChampagnePapi_32	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t93: Kremtemuion_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t94: Nyxis_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t95: Iceman_32	12	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t96: Shygu2_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t97: LeoAvram_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t98: LittleGuy_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308	320	351	366	391	416	454	478	498	544	572	
t99: NotAPhaseMom_31	16	31	49	67	74	81	99	124	130	141	206	216	226	239	245	261	276	291	305	308											

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201: Palestino_30	16		35	53	71	89	96		124													
202: Tuos_33 + 11	35	40	48	53	61	69	74		130	140												
203: Yecey3_32	35	40	48	53	61	69	74		130	140												
204: Mamimama_32 + 1	35	40	48	53	61	69	74		130	140												
205: LoneWolf_32	35	40	48	53	61	69	74		130	140												
206: Rahaleujan_30 + 4	35	40	48	53	61	69	74		130	140												
207: Eldsmoe_33 + 6	35	40	48	53	61	69	74		130	140												
208: Hanray_32 + 6	35	40	48	53	61	69	74		130	140												
209: Ayanochan_33	35	40	48	53	61	69	74		130	140												
210: Toaka_30	35	40	48	53	61	69	74		130	140												
211: EdogawaKiddo_31	35	40	48	53	61	69	74		130	140												
212: Darrell_33	35	40	48	53	61	69	74		130	140												
213: Alma_33	35	40	48	53	61	69	74		130	140												
214: MegTheMird_31 + 1	35	40	48	53	61	69	74		130	140												
215: Kiodith_31	35	40	48	53	61	69	74		130	140												
216: Keziachares14_31	35	40	48	53	61	69	74		130	140												
217: Elephantoon_32	35	40	48	53	61	69	74		130	140												
218: Sheakeira_31	35	40	48	53	61	69	74		130	140												
219: DreamTeam1_31	35	40	48	53	61	69	74		130	140												
220: Charm_31	35	40	48	53	61	69	74		130	140												
221: Sachima_31	35	40	48	53	61	69	74		130	140												

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 330322 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330322 has 492 members, 62 are drafts.

Phages represented in each track:

- Track 1 : DontArgue_31
- Track 2 : WalterMcMickey_33, Twister_33
- Track 3 : Poompha_31
- Track 4 : Topanga_33
- Track 5 : KittenMittens_31
- Track 6 : Chupacabra_32
- Track 7 : PeaceMeal1_31
- Track 8 : Kristoff_34
- Track 9 : Eaglepride_34
- Track 10 : RhynO_34
- Track 11 : Edison31_33
- Track 12 : Drake94_31
- Track 13 : Goose_32
- Track 14 : Rebeuca_34
- Track 15 : OKCentral2016_32
- Track 16 : Shapes_37, Rowdy_37, DustyMartin_37
- Track 17 : Trike_30
- Track 18 : Severus_31
- Track 19 : Sunhee_31
- Track 20 : Jeeves_31
- Track 21 : SororFago_31
- Track 22 : Gail_31
- Track 23 : Luchador_33
- Track 24 : 40AC_34
- Track 25 : MyraDee_29
- Track 26 : Kimona_28
- Track 27 : Baehexic_32, Centaur_33
- Track 28 : Gratitude_32, WideWale_33, Updawg_33, Equemioh13_33
- Track 29 : TopsytheTRex_30
- Track 30 : Loser_35
- Track 31 : Bradman_30, Quokka_29, MajorMajor_30
- Track 32 : XianYue_31
- Track 33 : Odin_30
- Track 34 : Iwokeuplikedis_32
- Track 35 : Sknot_31, Flare16_31
- Track 36 : Pukovnik_33
- Track 37 : BengiVuitton_32

- Track 38 : KingCyrus_33
- Track 39 : DeerParkTS_33
- Track 40 : BobSwaget_34
- Track 41 : DBQu4n_34
- Track 42 : Jaan_35
- Track 43 : LionsBait_32, HippoHollow_32
- Track 44 : MiculUcigas_31
- Track 45 : Journey13_29
- Track 46 : ChipMunk_33
- Track 47 : Leogania_33
- Track 48 : Adzzy_32
- Track 49 : D29_31, D32_34, Naji_34, Travvers_34
- Track 50 : WeiHuaDA_37
- Track 51 : Trixie_34
- Track 52 : SnapTap_31, Crucio_31
- Track 53 : MissWhite_31
- Track 54 : L5_31
- Track 55 : Changeling_34
- Track 56 : Agape74_33, AbbyPaige_33
- Track 57 : Heffalump_33
- Track 58 : JoshKayV_33
- Track 59 : Kerberos_34, StarStuff_34, Duplo_34, Tomathan_34
- Track 60 : ArcherNM_34
- Track 61 : ANI8_34
- Track 62 : BiancaTri92_33
- Track 63 : First_0031
- Track 64 : Terrific_35
- Track 65 : Pomar16_34
- Track 66 : Benvolio_31, Echid_31
- Track 67 : Drake55_33
- Track 68 : Superchunk_30, Caraxes_30
- Track 69 : Acolyte_31
- Track 70 : Koduck_32
- Track 71 : Larenn_32
- Track 72 : FiringLine_31, QueenBeesly_31
- Track 73 : Bactobuster_33
- Track 74 : LadyBird_31
- Track 75 : Serenity_30
- Track 76 : Piro94_32
- Track 77 : BabyBack_33
- Track 78 : IronMan_34
- Track 79 : Ph8s_32
- Track 80 : Phaded_35
- Track 81 : Retro23_31
- Track 82 : GaugeLDP_33
- Track 83 : NothingSpecial_33
- Track 84 : Turbido_33, Whabigail7_33, LilTurb_33
- Track 85 : Che12_33
- Track 86 : Dignity_33
- Track 87 : AN3_31, VC3_34, VA6_31, C3_29, AN9_34
- Track 88 : EvilGenius_33
- Track 89 : Georgie2_32
- Track 90 : Anselm_31

- Track 91 : NicoleTera_35
- Track 92 : Power_31
- Track 93 : Jerm_33
- Track 94 : Lökk_34
- Track 95 : ForesterFrank_33
- Track 96 : SemperFi_33
- Track 97 : EZMoney23_35
- Track 98 : SwirlSquare_32
- Track 99 : HarryHoudini_33
- Track 100 : Trooper_31
- Track 101 : CRB1_31
- Track 102 : SweetiePie_31
- Track 103 : Miko_34
- Track 104 : DudeLittle_31
- Track 105 : NaSiaTalie_31
- Track 106 : Jsquared_30
- Track 107 : Prudy_34
- Track 108 : Buggy_33
- Track 109 : Colin_35
- Track 110 : Fameo_31, QueenB2_31
- Track 111 : TarsusIV_31
- Track 112 : RedRock_35
- Track 113 : Tristan_33
- Track 114 : Landor_33
- Track 115 : 20ES_31
- Track 116 : Rachaly_34
- Track 117 : Malec_32
- Track 118 : AnnaL29_35
- Track 119 : Deloris_32
- Track 120 : Leviathan_33
- Track 121 : Dalmatian_31
- Track 122 : Smeagan_33
- Track 123 : Kalpine_34
- Track 124 : Kinmap_32
- Track 125 : Chargerpower_32
- Track 126 : Texage_31, Hookmount_32, EtoileNova_32, Norbert_31, Lambert1_32, Noella_32, Panamaxus_31, Poppicle_32, Caviar_32, Pocahontas_32
- Track 127 : Vix_33, Microwolf_33, Montavir_32, Dieselweasel_33, MuchMore_35, DaHudson_33, Colbster_33, Phoebe_33, Grum1_33, JHC117_33, GtownJaz_33, AugsMagnumOpus_35, EpicPhail_33, LBerry_33, Aglet_33, MarQuardt_33, GingkoMaracino_33, Pembroke_33, Cullens_33, Stagni_33, Penny1_33, Fernando_33, LugYA_35, Lilith_33, Mainiac_33, Watson_33, Lowa_33, Bigflo_33, Malinsilva_35, Wooldri_35, Anubis_35, P28Green_33, Taurus_33, JenCasNa_33, SoYo_33, Grub_33, Beauxregard13_33, MoneyMay_33, Marie_33, Sabinator_33, Hercules11_33, MadMarie_33, StepMih_33, PGHhamlin_35, Croquant_34, PotatoSplit_34, Farber_33, Snickers_33, Gwennie_33, Ollie_33, BreSam8_33, Sabia_33
- Track 128 : Heathen_31, Roimos_31, Fred313_31, Zarafa_31, DropBear_31, Scout_31, Kachowdy_31, HelDan_31, Marchesa_31
- Track 129 : Kalb97_34
- Track 130 : Reba_34, Phranny_34
- Track 131 : Manu_34, Groupthink_34, ClownCar_33, PurpleHaze_33, Marius_34, Pawn_33, Heliosoles_33, Gemma_33, Calvinny_33

- Track 132 : Pistachio_32, TNguyen7_31, Idleandcovert_31, BlueBird_32, Bugatti_31, Giroux_32, SaturnRing_31, Clammy_31, Puppy_32
- Track 133 : QuinnKiro_31, Veracruz_31, Todacoro_32
- Track 134 : BabyRay_31
- Track 135 : Soshari_35, Methuselah_32
- Track 136 : Grif_33
- Track 137 : Kalnoky_34, JeppNRM_34
- Track 138 : Isca_31
- Track 139 : MA5_31
- Track 140 : Phoxy_33, LarryKay_33, Rummer_33, HashRod_34, Louie6_33, Bxz2_32, BuzzBuzz_32, TinyPebbles_33, Misomonster_35, KADY_34, Daishi_32, AgronaGT15_33
- Track 141 : Tiffany_33
- Track 142 : Goose1X_31, Shep_31, Goose1D_31
- Track 143 : Margo_32
- Track 144 : BabyJohn_30, Chiqui_30
- Track 145 : Jobu08_33
- Track 146 : JF2_31, JF4_31
- Track 147 : ResDef_32
- Track 148 : Cat_29
- Track 149 : Spike509_33
- Track 150 : Zetzy_32
- Track 151 : B1_29
- Track 152 : HaveUMetTed_34, ACFishhook_33
- Track 153 : MK4_31
- Track 154 : SoilDragon_33
- Track 155 : Rockstar_31
- Track 156 : OlanP_33
- Track 157 : Phantastic_31
- Track 158 : PhishRPhriends_32
- Track 159 : HamSlice_30, Skadoosh_31, Relief_31, LappelDuVide_31, TroyPia_31, Pipcraft_31, Eapen_31, Citius_31, Lunsford_32
- Track 160 : Morpher26_31, Datway_31, Katalie136_31, AbbysRanger_31, Achebe_30, PetiteSangsue_31, Perplexer_31, Backyardigan_31, Badger_31, Bumblebee11_31, Xena_31, Cici_31
- Track 161 : Stasia_32
- Track 162 : Pumbaa_31
- Track 163 : Bartimeaus_31, Wilbur_31, Ruin_31, TygerBlood_31, SteMason_31, Albee_31, Flux_31, Junimo_30, Bombshell_31, TiroTheta9_31, Sabertooth_31, KekoraPapaka_30, JoongJeon_31, Druantia_31, Millski_30, Phelipe_31, Deano_31, CentreCat_31, Thanksgivukkah_31, Lemur_31, LittleB_31, Holli_31, Skipitt_31, Kingmustik0402_31, Romney_31, JetBlade_31, RockieBear_30, Roosevelt_31, Taquarus_31, Buckaroo_30, Baby16_31, Commander_31, Chaph_31, Peaches_31, Connomayer_31, Florean_31, SeniorClean_31, Dhanush_31, Wizard007_31, Medusa_31, Melvin_31, Blackmoor_31, Burger_30, Eros_31, Clarenza_31, YoSam321_31
- Track 164 : Bruiser_30, Koreni_30, Avle17_31, Alberto7_32, Nemo27_31, Caelakin_31, Wander_31, Spino_31, Cocoaberry_31, Maverick_31, Phacado_31, Gadost_31, Houdini22_31
- Track 165 : Arturo_30
- Track 166 : Wile_31
- Track 167 : Koan_31
- Track 168 : Stink_32, AvatarAhPeg_32, Miramae_31

- Track 169 : Mazhar510_31, PeterPeter_31, Lorenzo_31, Shaka_31, Mayonnaise_31, ICleared_31, Sultana_31
- Track 170 : Annyong_31, BubbleTrouble_31, Kyee_31, Northrop_31, KFPoly_31, MeeZee_31, Rocksand_31
- Track 171 : Nebs_31, BellusTerra_31, Eurydice_31, Ohfah_31, Polymorphads_31
- Track 172 : LochMonster_31, Phighter1804_31, DirtyDunning_31, Ulysses_30, Iracema64_32
- Track 173 : OKaNui_32
- Track 174 : Abdiel_30
- Track 175 : Cintron_31
- Track 176 : Broseidon_31
- Track 177 : SheldonCooper_32, Obama12_32, Eagle_30, LHTSCC_32, BangNhom_31, Cerulean_32
- Track 178 : Tinybot_30, Rosa24_30
- Track 179 : TinaFeyge_31, NorthStar_31
- Track 180 : Kratark_31
- Track 181 : Maxo_31, Kamy_31, Sparxx_31
- Track 182 : Camperdownii_30
- Track 183 : Cindaradix_30
- Track 184 : Mundrea_31
- Track 185 : Eris_30, Funston_31
- Track 186 : Scamp_31
- Track 187 : Phontbonne_31
- Track 188 : Noelle_31
- Track 189 : Jaykayelowell_31
- Track 190 : Huxley_31
- Track 191 : Happiness_31
- Track 192 : ChampagnePapi_32
- Track 193 : Kremtemulon_31
- Track 194 : Nyxis_31
- Track 195 : Iceman_32
- Track 196 : Shygu2_31
- Track 197 : LeoAvram_31
- Track 198 : LittleGuy_31
- Track 199 : NotAPhaseMom_31
- Track 200 : Morrow_31
- Track 201 : Palestino_30
- Track 202 : Tubs_33, Aliter_33, Halex_32, Fayely_33, Myxus_33, Catalina_34, HortumSL17_33, Phaeder_33, Ugenie5_30, Lilleskat_31, PackMan_33, Scherzo_33
- Track 203 : Yecey3_32
- Track 204 : Maminiaina_32, BogosyJay_32
- Track 205 : LoneWolf_32
- Track 206 : Rahalelujah_30, CogOmlette_29, Bellris_30, Minispark_29, WorldCup_29
- Track 207 : Eidsmoe_33, Conquerage_33, EmyBug_33, Qobbit_33, Spouty_33, Priya_33, ExplosioNervosa_33
- Track 208 : Hanray_32, Phonnegut_33, Beemo_33, Jiawan_32, RyeScarlet_34, Onglai_32, Pioneer_33
- Track 209 : Ayanochan_33
- Track 210 : Toaka_30
- Track 211 : EdogawaKiddo_31
- Track 212 : Darrell_33
- Track 213 : Alma_33

- Track 214 : MegTheThird_31, Celestiallunch_30
- Track 215 : Klodlith_31
- Track 216 : Keziacharles14_31
- Track 217 : Elephantoon_32
- Track 218 : SheaKeira_31
- Track 219 : DreamTeam1_31
- Track 220 : Charm_31
- Track 221 : Sachima_31

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

The start number called the most often in the published annotations is 16, it was called in 169 of the 430 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbysRanger_31, Abdiel_30, Achebe_30, Albee_31, Alberto7_32, Annyong_31, Arturo_30, AvatarAhPeg_32, Avle17_31, Baby16_31, Backyardigan_31, Bactobuster_33, Badger_31, BangNhom_31, Bartimeaus_31, BellusTerra_31, BiancaTri92_33, Blackmoor_31, Bombshell_31, Broseidon_31, Bruiser_30, BubbleTrouble_31, Buckaroo_30, Bumblebee11_31, Burger_30, Caelakin_31, Camperdownii_30, CentreCat_31, Cerulean_32, ChampagnePapi_32, Chaph_31, Chupacabra_32, Cici_31, Cindaradix_30, Cintron_31, Citius_31, Clarenza_31, Cocoaberry_31, Commander_31, Connomayer_31, Datway_31, Deano_31, Dhanush_31, DirtyDunning_31, DontArgue_31, Drake94_31, Druantia_31, DustyMartin_37, Eagle_30, Eaglepride_34, Eapen_31, Edison31_33, Eris_30, Eros_31, Eurydice_31, Florean_31, Flux_31, Funston_31, Gadost_31, Goose_32, HamSlice_30, Happiness_31, Holli_31, Houdini22_31, Huxley_31, ICleared_31, Iceman_32, Iracema64_32, Jaan_35, Jaykayelowell_31, JetBlade_31, JoongJeon_31, Junimo_30, KFPoly_31, Kamy_31, Katalie136_31, KekoraPapaka_30, Kimona_28, Kingmustik0402_31, KittenMittens_31, Koan_31, Koreni_30, Kratak_31, Kremtemulon_31, Kristoff_34, Kyee_31, LHTSCC_32, Landor_33, LappelDuVide_31, Lemur_31, LeoAvram_31, Leogania_33, LittleB_31, LittleGuy_31, LochMonster_31, Lorenzo_31, Lunsford_32, Maverick_31, Maxo_31, Mayonnaise_31, Mazhar510_31, Medusa_31, MeeZee_31, Melvin_31, Millski_30, Miramae_31, Morpher26_31, Morrow_31, Mundrea_31, MyraDee_29, Nebs_31, Nemo27_31, Noelle_31, NorthStar_31, Northrop_31, NotAPhaseMom_31, Nyxis_31, OKCentral2016_32, OKaNui_32, Obama12_32, Ohfah_31, Palestino_30, PeaceMeal1_31, Peaches_31, Perplexer_31, PeterPeter_31, PetiteSangsue_31, Phacado_31, Phaded_35, Phelipe_31, Phighter1804_31, Phontbonne_31, Pipcraft_31, Polymorphads_31, Poompha_31, Pumbaa_31, Rebeuca_34, Relief_31, RhynO_34, RockieBear_30, Rocksand_31, Romney_31, Roosevelt_31, Rosa24_30, Rowdy_37, Ruin_31, Sabertooth_31, Scamp_31, SeniorClean_31, Severus_31, Shaka_31, Shapes_37, SheldonCooper_32, Shygu2_31, Skadoosh_31, Skipitt_31, Sparxx_31, Spino_31, Stasia_32, SteMason_31, Stink_32, Sultana_31, Taquarus_31, Thanksgivukkah_31, TinaFeyge_31, Tinybot_30, TiroTheta9_31, Topanga_33, Trike_30, Tristan_33, TroyPia_31, Twister_33, TygerBlood_31, Ulysses_30, WalterMcMickey_33, Wander_31, Wilbur_31, Wile_31, Wizard007_31, Xena_31, YoSam321_31,

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

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

• 20ES_31, 40AC_34, ACFishhook_33, AN3_31, AN9_34, ANI8_34, AbbyPaige_33, Acolyte_31, Adzzy_32, Agape74_33, Aglet_33, AgronaGT15_33, Aliter_33, Alma_33, AnnaL29_35, Anselm_31, Anubis_35, ArcherNM_34, AugsMagnumOpus_35, Ayanochan_33, B1_29, BabyBack_33, BabyJohn_30, BabyRay_31, Baehexic_32, Beauxregard13_33, Beemo_33, Bellris_30, BengiVuitton_32, Benvolio_31, Bigflo_33, BlueBird_32, BobSwaget_34, BogosyJay_32, Bradman_30, BreSam8_33, Bugatti_31, Buggy_33, BuzzBuzz_32, Bxz2_32, C3_29, CRB1_31, Calvinny_33, Caraxes_30, Cat_29, Catalina_34, Caviar_32, Celestiallunch_30, Centaur_33, Changeling_34, Chargerpower_32, Charm_31, Che12_33, ChipMunk_33, Chiqui_30, Clammy_31, ClownCar_33, CogOmlette_29, Colbster_33, Colin_35, Conquerage_33, Croquant_34, Crucio_31, Cullens_33, D29_31, D32_34, DBQu4n_34, DaHudson_33, Daishi_32, Dalmatian_31, Darrell_33, DeerParkTS_33, Deloris_32, Dieselweasel_33, Dignity_33, Drake55_33, DreamTeam1_31, DropBear_31, DudeLittle_31, Duplo_34, EZMoney23_35, Echid_31, EdogawaKiddo_31, Eidsmoe_33, Elephantoon_32, EmyBug_33, EpicPhail_33, Equemioh13_33, EtoileNova_32, EvilGenius_33, ExplosioNervosa_33, Fameo_31, Farber_33, Fayely_33, Fernando_33, FiringLine_31, First_0031, Flare16_31, ForesterFrank_33, Fred313_31, Gail_31, GaugeLDP_33, Gemma_33, Georgie2_32, GinkgoMaracino_33, Giroux_32, Goose1D_31, Goose1X_31, Gratitude_32, Grif_33, Groupthink_34, Grub_33, Grum1_33, GtownJaz_33, Gwennie_33, Hanray_32, HarryHoudini_33, HashRod_34, HaveUMetTed_34, Heathen_31, Heffalump_33, HelDan_31, Heliosoles_33, Hercules11_33, HippoHollow_32, Horex_32, Hookmount_32, HortumSL17_33, Idleandcovert_31, IronMan_34, Isca_31, Iwokeuplikedis_32, JF2_31, JF4_31, JHC117_33, Jeeves_31, JenCasNa_33, JeppNRM_34, Jerm_33, Jiawan_32, Jobu08_33, JoshKayV_33, Journey13_29, Jsquared_30, KADY_34, Kachowdy_31, Kalb97_34, Kalnoky_34, Kalpine_34, Kerberos_34, Keziacharles14_31, KingCyrus_33, Kinmap_32, Klodlith_31, Koduck_32, L5_31, LBerry_33, LadyBird_31, Lambert1_32, Larenn_32, LarryKay_33, Leviathan_33, LilTurb_33, Lilith_33, Lilleskat_31, LionsBait_32, Lokk_34, LoneWolf_32, Loser_35, Louie6_33, Iowa_33, Luchador_33, LugYA_35, MA5_31, MK4_31, MadMarie_33, Mainiac_33, MajorMajor_30, Malec_32, Malinsilva_35, Maminiaina_32, Manu_34, MarQuardt_33, Marchesa_31, Margo_32, Marie_33, Marius_34, MegTheThird_31, Methuselah_32, Microwolf_33, MiculUcigas_31, Miko_34, Minispark_29, Misomonster_35, MissWhite_31, MoneyMay_33, Montavir_32, MuchMore_35, Myxus_33, NaSiaTalie_31, Naji_34, NicoleTera_35, Noella_32, Norbert_31, NothingSpecial_33, Odin_30, OlanP_33, Ollie_33, Onglai_32, P28Green_33, PGHhamlin_35, PackMan_33, Panamaxus_31, Pawn_33, Pembroke_33, Penny1_33, Ph8s_32, Phaeder_33, Phantastic_31, PhishRPhriends_32, Phoebe_33, Phonnegut_33, Phoxy_33, Phranny_34, Pioneer_33, Piro94_32, Pistachio_32, Pocahontas_32, Pomar16_34, Popcicle_32, PotatoSplit_34, Power_31, Priya_33, Prudy_34, Pukovnik_33, Puppy_32, PurpleHaze_33, Qobbit_33, QueenB2_31, QueenBeesly_31, QuinnKiro_31, Quokka_29, Rachaly_34, Rahalelujah_30, Reba_34, RedRock_35, ResDef_32, Retro23_31, Rockstar_31, Roimos_31, Rummer_33, RyeScarlet_34, Sabia_33, Sabinator_33, Sachima_31, SaturnRing_31, Scherzo_33, Scout_31, SemperFi_33, Serenity_30, SheaKeira_31, Shep_31, Sknot_31, Smeagan_33, SnapTap_31, Snickers_33, SoYo_33, SoilDragon_33, SororFago_31, Soshari_35, Spike509_33, Spouty_33, Stagni_33, StarStuff_34, StepMih_33, Sunhee_31, Superchunk_30, SweetiePie_31, SwirlSquare_32, TNguyen7_31, TarsusIV_31, Taurus_33, Terrific_35, Texage_31, Tiffany_33, TinyPebbles_33, TopsytheTRex_30, Toaka_30, Todacoro_32, Tomathan_34,

Travvers_34, Trixie_34, Trooper_31, Tubs_33, Turbido_33, Ugenie5_30, Updawg_33, VA6_31, VC3_34, Veracruz_31, Vix_33, Watson_33, WeiHuaDA_37, Whabigail7_33, WideWale_33, Wooldri_35, WorldCup_29, XianYue_31, Yecey3_32, Zарафа_31, Zetzy_32,

Summary by start number:

Start 1:

- Found in 1 of 492 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DeerParkTS_33 (A2),

Start 7:

- Found in 2 of 492 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 430
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jeeves_31 (A14), Kinmap_32 (A21),

Start 8:

- Found in 1 of 492 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 430
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sunhee_31 (A14),

Start 15:

- Found in 90 of 492 (18.3%) of genes in pham
- Manual Annotations of this start: 86 of 430
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_33 (A3), Aglet_33 (A3), AgronaGT15_33 (A3), Anubis_35 (A3), AugsMagnumOpus_35 (A3), Beauxregard13_33 (A3), Bigflo_33 (A3), BreSam8_33 (A3), BuzzBuzz_32 (A3), Bxz2_32 (A3), Calvinny_33 (A3), ClownCar_33 (A3), Colbster_33 (A3), Croquant_34 (A3), Cullens_33 (A3), DaHudson_33 (A3), Daishi_32 (A3), Dieselweasel_33 (A3), EpicPhail_33 (A3), Farber_33 (A3), Fernando_33 (A3), Gemma_33 (A3), GingkoMaracino_33 (A3), Grif_33 (A3), Groupthink_34 (A3), Grub_33 (A3), Grum1_33 (A3), GtownJaz_33 (A3), Gwennie_33 (A3), HashRod_34 (A3), HaveUMetTed_34 (A3), Heliosoles_33 (A3), Hercules11_33 (A3), JHC117_33 (A3), JenCasNa_33 (A3), JeppNRM_34 (A3), Jobu08_33 (A3), KADY_34 (A3), Kalb97_34 (A3), Kalnoky_34 (A3), LBerry_33 (A3), LarryKay_33 (A3), Lilith_33 (A3), Louie6_33 (A3), Iowa_33 (A3), LugYA_35 (A3), MadMarie_33 (A3), Mainiac_33 (A3), Malinsilva_35 (A3), Manu_34 (A3), MarQuardt_33 (A3), Marie_33 (A3), Marius_34 (A3), Methuselah_32 (A3), Microwolf_33 (A3), Misomonster_35 (A3), MoneyMay_33 (A3), Montavir_32 (A3), MuchMore_35 (A3), OlanP_33 (A3), Ollie_33 (A3), P28Green_33 (A3), PGHhamlin_35 (A3), Pawn_33 (A3), Pembroke_33 (A3), Penny1_33 (A3), PhishRPhriends_32 (A3), Phoebe_33 (A3), Phoxy_33 (A3), Phranny_34 (A3), PotatoSplit_34 (A3), PurpleHaze_33 (A3), Reba_34 (A3), Rummer_33 (A3), Sabia_33 (A3), Sabinator_33 (A3), Snickers_33 (A3), SoYo_33 (A3), SoilDragon_33 (A3), Soshari_35 (A3), Spike509_33 (A3), Stagni_33 (A3), StepMih_33 (A3), Taurus_33 (A3), Tiffany_33 (A3), TinyPebbles_33 (A3), Vix_33 (A3), Watson_33 (A3), Wooldri_35 (A3), Zetzy_32 (A3),

Start 16:

- Found in 181 of 492 (36.8%) of genes in pham
- Manual Annotations of this start: 169 of 430
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbysRanger_31 (A4), Abdiel_30 (A4), Achebe_30 (A4), Albee_31 (A4), Alberto7_32 (A4), Annyong_31 (A4), Arturo_30 (A4), AvatarAhPeg_32 (A4), Avle17_31 (A4), Baby16_31 (A4), Backyardigan_31 (A4), Bactobuster_33 (A2), Badger_31 (A4), BangNhom_31 (A4), Bartimeaus_31 (A4), BellusTerra_31 (A4), BiancaTri92_33 (A2), Blackmoor_31 (A4), Bombshell_31 (A4), Broseidon_31 (A4), Bruiser_30 (A4), BubbleTrouble_31 (A4), Buckaroo_30 (A4), Bumblebee11_31 (A4), Burger_30 (A4), Caelakin_31 (A4), Camperdownii_30 (A4), CentreCat_31 (A4), Cerulean_32 (A4), ChampagnePapi_32 (A4), Chaph_31 (A4), Chupacabra_32 (A10), Cici_31 (A4), Cindaradix_30 (A4), Cintron_31 (A4), Citius_31 (A4), Clarenza_31 (A4), Cocoaberry_31 (A4), Commander_31 (A4), Connomayer_31 (A4), Datway_31 (A4), Deano_31 (A4), Dhanush_31 (A4), DirtyDunning_31 (A4), DontArgue_31 (A10), Drake94_31 (A10), Druantia_31 (A4), DustyMartin_37 (A10), Eagle_30 (A4), Eaglepride_34 (A10), Eapen_31 (A4), Edison31_33 (A10), Eris_30 (A4), Eros_31 (A4), Eurydice_31 (A4), Florean_31 (A4), Flux_31 (A4), Funston_31 (A4), Gadost_31 (A4), Goose_32 (A10), HamSlice_30 (A4), Happiness_31 (A4), Holli_31 (A4), Houdini22_31 (A4), Huxley_31 (A4), ICleared_31 (A4), Iceman_32 (A4), Iracema64_32 (A4), Jaan_35 (A2), Jaykayelowell_31 (A4), JetBlade_31 (A4), JoongJeon_31 (A4), Junimo_30 (A4), KFPoly_31 (A4), Kampy_31 (A4), Katalie136_31 (A4), KekoraPapaka_30 (A4), Kimona_28 (A19), Kingmustik0402_31 (A4), KittenMittens_31 (A10), Koan_31 (A4), Koreni_30 (A4), Kratark_31 (A4), Kremtemulon_31 (A4), Kristoff_34 (A10), Kyee_31 (A4), LHTSCC_32 (A4), Landor_33 (A2), LappelDuVide_31 (A4), Lemur_31 (A4), LeoAvram_31 (A4), Leogania_33 (A2), LittleB_31 (A4), LittleGuy_31 (A4), LochMonster_31 (A4), Lorenzo_31 (A4), Lunsford_32 (A4), Maverick_31 (A4), Maxo_31 (A4), Mayonnaise_31 (A4), Mazhar510_31 (A4), Medusa_31 (A4), MeeZee_31 (A4), Melvin_31 (A4), Millski_30 (A4), Miramae_31 (A4), Morpher26_31 (A4), Morrow_31 (A4), Mundrea_31 (A4), MyraDee_29 (A18), Nebs_31 (A4), Nemo27_31 (A4), Noelle_31 (A4), NorthStar_31 (A4), Northrop_31 (A4), NotAPhaseMom_31 (A4), Nyxis_31 (A4), OKCentral2016_32 (A10), OKaNui_32 (A4), Obama12_32 (A4), Ohfah_31 (A4), Palestino_30 (A4), PeaceMeal1_31 (A10), Peaches_31 (A4), Perplexer_31 (A4), PeterPeter_31 (A4), PetiteSangsue_31 (A4), Phacado_31 (A4), Phaded_35 (A2), Phelipe_31 (A4), Phighter1804_31 (A4), Phontbonne_31 (A4), Pipcraft_31 (A4), Polymorphads_31 (A4), Poompha_31 (A10), Pumbaa_31 (A4), Rebeuca_34 (A10), Relief_31 (A4), RhynO_34 (A10), RockieBear_30 (A4), Rocksand_31 (A4), Romney_31 (A4), Roosevelt_31 (A4), Rosa24_30 (A4), Rowdy_37 (A10), Ruin_31 (A4), Sabertooth_31 (A4), Scamp_31 (A4), SenorClean_31 (A4), Severus_31 (A10), Shaka_31 (A4), Shapes_37 (A10), SheldonCooper_32 (A4), Shygu2_31 (A4), Skadoosh_31 (A4), Skipitt_31 (A4), Sparxx_31 (A4), Spino_31 (A4), Stasia_32 (A4), SteMason_31 (A4), Stink_32 (A4), Sultana_31 (A4), Taquarus_31 (A4), Thanksgivukkah_31 (A4), TinaFeyge_31 (A4), Tinybot_30 (A4), TiroTheta9_31 (A4), Topanga_33 (A10), Trike_30 (A10), Tristan_33 (A2), TroyPia_31 (A4), Twister_33 (A10), TygerBlood_31 (A4), Ulysses_30 (A4), WalterMcMickey_33 (A10), Wander_31 (A4), Wilbur_31 (A4), Wile_31 (A4), Wizard007_31 (A4), Xena_31 (A4), YoSam321_31 (A4),

Start 18:

- Found in 35 of 492 (7.1%) of genes in pham
- Manual Annotations of this start: 27 of 430
- Called 94.3% of time when present

- Phage (with cluster) where this start called: Aliter_33 (A9), Alma_33 (A9), Ayanochan_33 (A9), Beemo_33 (A9), BogosyJay_32 (A9), Catalina_34 (A9), Conquerage_33 (A9), Darrell_33 (A9), Eidsmoe_33 (A9), Elephantoan_32 (A9), EmyBug_33 (A9), ExplosioNervosa_33 (A9), Fayely_33 (A9), Hanray_32 (A9), Horex_32 (A9), HortumSL17_33 (A9), Jiawan_32 (A9), Lilleskat_31 (A9), LoneWolf_32 (A9), Maminiaina_32 (A9), Myxus_33 (A9), Onglai_32 (A9), PackMan_33 (A9), Phaeder_33 (A9), Phonnegut_33 (A9), Pioneer_33 (A9), Priya_33 (A9), Qobbit_33 (A9), RyeScarlet_34 (A9), Scherzo_33 (A9), Spouty_33 (A9), Tubs_33 (A9), Ugenie5_30 (A9),

Start 19:

- Found in 25 of 492 (5.1%) of genes in pham
- Manual Annotations of this start: 5 of 430
- Called 28.0% of time when present
- Phage (with cluster) where this start called: ANI8_34 (A2), Colin_35 (A2), Kalpine_34 (A2), Trixie_34 (A2), WeiHuaDA_37 (A2), XianYue_31 (A2), Yecey3_32 (A9),

Start 20:

- Found in 1 of 492 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 430
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acolyte_31 (A2),

Start 21:

- Found in 53 of 492 (10.8%) of genes in pham
- Manual Annotations of this start: 44 of 430
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyPaige_33 (A2), Agape74_33 (A2), Baehexic_32 (A2), Bellris_30 (A9), Benvolio_31 (A2), BobSwaget_34 (A2), Bugsy_33 (A2), Celestialunch_30 (A9), Centaur_33 (A2), Charm_31 (A9), CogOmlette_29 (A9), Dignity_33 (A2), Drake55_33 (A2), DreamTeam1_31 (A9), Echild_31 (A2), Equemioh13_33 (A2), Flare16_31 (A2), Gratitude_32 (A2), HarryHoudini_33 (A2), HippoHollow_32 (A2), Iwokeuplikedis_32 (A2), Jerm_33 (A2), Keziacharles14_31 (A9), Klodlith_31 (A9), LadyBird_31 (A2), Larenn_32 (A2), Leviathan_33 (A2), LilTurb_33 (A2), LionsBait_32 (A2), Lokk_34 (A2), Luchador_33 (A14), Malec_32 (A2), MegTheThird_31 (A9), MiculUcigas_31 (A2), Miko_34 (A2), Minispark_29 (A9), NaSiaTalie_31 (A2), NicoleTera_35 (A2), Piro94_32 (A2), Rachaly_34 (A2), Rahalelujah_30 (A9), SheaKeira_31 (A9), Sknot_31 (A2), Smeagan_33 (A2), SororFago_31 (A14), Terrific_35 (A2), TipsytheTRex_30 (A2), Toaka_30 (A9), Turbido_33 (A2), Updawg_33 (A2), Whabigail7_33 (A2), WideWale_33 (A2), WorldCup_29 (A9),

Start 22:

- Found in 73 of 492 (14.8%) of genes in pham
- Manual Annotations of this start: 60 of 430
- Called 98.6% of time when present
- Phage (with cluster) where this start called: 20ES_31 (A2), 40AC_34 (A17), AN3_31 (A2), AN9_34 (A2), Adzzy_32 (A2), AnnaL29_35 (A2), Anselm_31 (A2), ArcherNM_34 (A2), BabyBack_33 (A2), BengiVuitton_32 (A2), Bradman_30 (A2), C3_29 (A2), CRB1_31 (A2), Caraxes_30 (A2), Changeling_34 (A2), Che12_33 (A2), ChipMunk_33 (A2), Crucio_31 (A2), D29_31 (A2), D32_34 (A2), DBQu4n_34 (A2), Dalmatian_31 (A2), Deloris_32 (A2), DudeLittle_31 (A2), Duplo_34 (A2),

EZMoney23_35 (A2), EvilGenius_33 (A2), Fameo_31 (A2), FiringLine_31 (A2), First_0031 (A2), ForesterFrank_33 (A2), Gail_31 (A14), GaugeLDP_33 (A2), Georgie2_32 (A2), Heffalump_33 (A2), IronMan_34 (A2), JoshKayV_33 (A2), Journey13_29 (A2), Jsquared_30 (A2), Kerberos_34 (A2), KingCyrus_33 (A2), Koduck_32 (A2), L5_31 (A2), Loser_35 (A2), MajorMajor_30 (A2), MissWhite_31 (A2), Naji_34 (A2), NothingSpecial_33 (A2), Odin_30 (A2), Ph8s_32 (A2), Pomar16_34 (A2), Power_31 (A2), Prudy_34 (A2), Pukovnik_33 (A2), QueenB2_31 (A2), QueenBeesly_31 (A2), Quokka_29 (A2), RedRock_35 (A2), Retro23_31 (A2), SemperFi_33 (A2), Serenity_30 (A2), SnapTap_31 (A2), StarStuff_34 (A2), Superchunk_30 (A2), SweetiePie_31 (A2), SwirlSquare_32 (A2), TarsusIV_31 (A2), Tomathan_34 (A2), Travvers_34 (A2), Trooper_31 (A2), VA6_31 (A2), VC3_34 (A2),

Start 23:

- Found in 30 of 492 (6.1%) of genes in pham
- No Manual Annotations of this start.
- Called 6.7% of time when present
- Phage (with cluster) where this start called: EdogawaKiddo_31 (A9), Sachima_31 (A9),

Start 46:

- Found in 2 of 492 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 430
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Chargerpower_32 (A22),

Start 113:

- Found in 1 of 492 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 430
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Phantastic_31 (A3),

Start 115:

- Found in 47 of 492 (9.6%) of genes in pham
- Manual Annotations of this start: 34 of 430
- Called 100.0% of time when present
- Phage (with cluster) where this start called: B1_29 (A3), BabyJohn_30 (A3), BabyRay_31 (A3), BlueBird_32 (A3), Bugatti_31 (A3), Cat_29 (A3), Caviar_32 (A3), Chiqui_30 (A3), Clammy_31 (A3), DropBear_31 (A3), EtoileNova_32 (A3), Fred313_31 (A3), Giroux_32 (A3), Goose1D_31 (A3), Goose1X_31 (A3), Heathen_31 (A3), HelDan_31 (A3), Hookmount_32 (A3), Idleandcovert_31 (A3), Isca_31 (A3), JF2_31 (A3), JF4_31 (A3), Kachowdy_31 (A3), Lambert1_32 (A3), MA5_31 (A3), MK4_31 (A3), Marchesa_31 (A3), Margo_32 (A3), Noella_32 (A3), Norbert_31 (A3), Panamaxus_31 (A3), Pistachio_32 (A3), Pocahontas_32 (A3), Popcicle_32 (A3), Puppy_32 (A3), QuinnKiro_31 (A3), ResDef_32 (A3), Rockstar_31 (A3), Roimos_31 (A3), SaturnRing_31 (A3), Scout_31 (A3), Shep_31 (A3), TNguyen7_31 (A3), Texage_31 (A3), Todacoro_32 (A3), Veracruz_31 (A3), Zarafa_31 (A3),

Summary by clusters:

There are 11 clusters represented in this pham: A14, A22, A10, A21, A19, A18, A3, A2, A4, A9, A17,

Info for manual annotations of cluster A10:

- Start number 16 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A14:

- Start number 7 was manually annotated 1 time for cluster A14.
- Start number 8 was manually annotated 1 time for cluster A14.
- Start number 21 was manually annotated 2 times for cluster A14.
- Start number 22 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A18:

- Start number 16 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 16 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 16 was manually annotated 7 times for cluster A2.
- Start number 19 was manually annotated 4 times for cluster A2.
- Start number 20 was manually annotated 1 time for cluster A2.
- Start number 21 was manually annotated 34 times for cluster A2.
- Start number 22 was manually annotated 59 times for cluster A2.

Info for manual annotations of cluster A22:

- Start number 46 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 15 was manually annotated 86 times for cluster A3.
- Start number 113 was manually annotated 1 time for cluster A3.
- Start number 115 was manually annotated 34 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 16 was manually annotated 143 times for cluster A4.

Info for manual annotations of cluster A9:

- Start number 18 was manually annotated 27 times for cluster A9.
- Start number 19 was manually annotated 1 time for cluster A9.
- Start number 21 was manually annotated 8 times for cluster A9.

Gene Information:

Gene: 20ES_31 Start: 22797, Stop: 25202, Start Num: 22

Candidate Starts for 20ES_31:

(Start: 22 @22797 has 60 MA's), (27, 22818), (38, 22908), (40, 22917), (47, 22938), (61, 23001), (67, 23037), (83, 23118), (101, 23187), (102, 23208), (103, 23217), (112, 23328), (114, 23349), (128, 23439), (132, 23454), (155, 23574), (159, 23607), (162, 23616), (177, 23715), (182, 23742), (217, 23955), (237, 24045), (239, 24063), (244, 24087), (281, 24288), (291, 24327), (296, 24348), (305, 24384), (308, 24417), (312, 24438), (317, 24474), (329, 24528), (339, 24579), (342, 24600), (360, 24705), (365, 24720), (427, 24930), (459, 24999), (520, 25170), (522, 25179), (524, 25185),

Gene: 40AC_34 Start: 24978, Stop: 26762, Start Num: 22

Candidate Starts for 40AC_34:

(Start: 22 @24978 has 60 MA's), (27, 24999), (40, 25098), (41, 25104), (48, 25131), (56, 25167), (61, 25188), (67, 25224), (69, 25236), (71, 25248), (95, 25350), (122, 25371), (182, 25425), (187, 25437), (217, 25503), (237, 25593), (239, 25611), (244, 25635), (267, 25770), (281, 25836), (291, 25875), (308, 25965), (317, 26022), (331, 26088), (341, 26145), (372, 26307), (410, 26445), (419, 26469), (454, 26547), (458, 26559), (488, 26622), (496, 26640), (524, 26745),

Gene: ACFishhook_33 Start: 23442, Stop: 25250, Start Num: 15

Candidate Starts for ACFishhook_33:

(Start: 15 @23442 has 86 MA's), (38, 23577), (53, 23643), (62, 23688), (63, 23691), (95, 23838), (130, 23883), (182, 23913), (237, 24081), (239, 24099), (244, 24123), (272, 24285), (281, 24324), (291, 24363), (308, 24453), (339, 24615), (342, 24636), (358, 24723), (368, 24780), (372, 24795), (391, 24858), (410, 24933), (418, 24954), (458, 25047), (476, 25086), (496, 25128), (522, 25227),

Gene: AN3_31 Start: 22715, Stop: 24571, Start Num: 22

Candidate Starts for AN3_31:

(Start: 19 @22709 has 5 MA's), (Start: 22 @22715 has 60 MA's), (40, 22835), (61, 22925), (71, 22985), (74, 23009), (82, 23036), (127, 23129), (141, 23153), (142, 23159), (204, 23261), (287, 23666), (303, 23735), (334, 23903), (354, 23990), (370, 24086), (413, 24236), (462, 24350), (490, 24419), (500, 24443), (508, 24473), (512, 24488),

Gene: AN9_34 Start: 22703, Stop: 24556, Start Num: 22

Candidate Starts for AN9_34:

(Start: 19 @22697 has 5 MA's), (Start: 22 @22703 has 60 MA's), (40, 22823), (61, 22913), (71, 22973), (74, 22997), (82, 23024), (127, 23117), (141, 23141), (142, 23147), (204, 23249), (287, 23654), (303, 23723), (334, 23891), (354, 23978), (370, 24074), (413, 24221), (462, 24335), (490, 24404), (500, 24428), (508, 24458), (512, 24473),

Gene: ANI8_34 Start: 22697, Stop: 24556, Start Num: 19

Candidate Starts for ANI8_34:

(Start: 19 @22697 has 5 MA's), (Start: 22 @22703 has 60 MA's), (40, 22823), (61, 22913), (71, 22973), (74, 22997), (82, 23024), (127, 23117), (141, 23141), (142, 23147), (204, 23249), (287, 23654), (303, 23723), (334, 23891), (354, 23978), (370, 24074), (413, 24221), (462, 24335), (490, 24404), (500, 24428), (508, 24458), (512, 24473),

Gene: AbbyPaige_33 Start: 23268, Stop: 25358, Start Num: 21

Candidate Starts for AbbyPaige_33:

(Start: 21 @23268 has 44 MA's), (38, 23382), (40, 23391), (41, 23397), (61, 23481), (69, 23529), (88, 23619), (95, 23643), (103, 23697), (128, 23808), (155, 23943), (237, 24180), (239, 24198), (244, 24222), (262, 24330), (274, 24393), (281, 24423), (291, 24462), (308, 24552), (317, 24609), (318, 24612), (330, 24669), (339, 24714), (342, 24735), (374, 24912), (378, 24924), (389, 24951), (419, 25056), (460, 25146), (511, 25269), (514, 25281), (516, 25305), (524, 25335), (531, 25350),

Gene: AbbysRanger_31 Start: 22986, Stop: 24845, Start Num: 16

Candidate Starts for AbbysRanger_31:

(12, 22926), (Start: 16 @22986 has 169 MA's), (31, 23052), (34, 23097), (36, 23103), (44, 23136), (48, 23154), (58, 23199), (60, 23205), (61, 23211), (77, 23304), (81, 23319), (99, 23391), (147, 23451), (204, 23502), (208, 23514), (226, 23592), (239, 23661), (259, 23784), (263, 23808), (277, 23889), (288, 23934), (292, 23943), (294, 23946), (314, 24075), (316, 24084), (324, 24126), (330, 24153), (337, 24189), (341, 24216), (344, 24228), (371, 24384), (422, 24558), (425, 24564), (446, 24609), (465, 24660), (467, 24663), (484, 24699), (500, 24735),

Gene: Abdiel_30 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for Abdiel_30:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (422, 24526), (425, 24532), (446, 24577), (458, 24610), (465, 24628), (467, 24631), (484, 24667), (500, 24703),

Gene: Achebe_30 Start: 22969, Stop: 24828, Start Num: 16

Candidate Starts for Achebe_30:

(12, 22909), (Start: 16 @22969 has 169 MA's), (31, 23035), (34, 23080), (36, 23086), (44, 23119), (48, 23137), (58, 23182), (60, 23188), (61, 23194), (77, 23287), (81, 23302), (99, 23374), (147, 23434), (204, 23485), (208, 23497), (226, 23575), (239, 23644), (259, 23767), (263, 23791), (277, 23872), (288, 23917), (292, 23926), (294, 23929), (314, 24058), (316, 24067), (324, 24109), (330, 24136), (337, 24172), (341, 24199), (344, 24211), (371, 24367), (422, 24541), (425, 24547), (446, 24592), (465, 24643), (467, 24646), (484, 24682), (500, 24718),

Gene: Acolyte_31 Start: 23339, Stop: 25057, Start Num: 20

Candidate Starts for Acolyte_31:

(Start: 20 @23339 has 1 MA's), (27, 23363), (41, 23468), (62, 23564), (69, 23600), (71, 23612), (75, 23639), (76, 23642), (87, 23687), (96, 23717), (141, 23768), (184, 23822), (240, 24026), (287, 24263), (326, 24461), (354, 24584), (370, 24680), (453, 24908), (464, 24941),

Gene: Adzzy_32 Start: 21442, Stop: 23085, Start Num: 22

Candidate Starts for Adzzy_32:

(Start: 22 @21442 has 60 MA's), (38, 21553), (47, 21589), (69, 21700), (71, 21712), (141, 21880), (142, 21886), (240, 22150), (243, 22174), (249, 22201), (269, 22288), (287, 22372), (290, 22378), (293, 22384), (299, 22414), (309, 22498), (313, 22519), (346, 22672), (356, 22711), (370, 22798), (392, 22870), (417, 22957), (425, 22966), (448, 23014),

Gene: Agape74_33 Start: 23244, Stop: 25334, Start Num: 21

Candidate Starts for Agape74_33:

(Start: 21 @23244 has 44 MA's), (38, 23358), (40, 23367), (41, 23373), (61, 23457), (69, 23505), (88, 23595), (95, 23619), (103, 23673), (128, 23784), (155, 23919), (237, 24156), (239, 24174), (244, 24198), (262, 24306), (274, 24369), (281, 24399), (291, 24438), (308, 24528), (317, 24585), (318, 24588), (330, 24645), (339, 24690), (342, 24711), (374, 24888), (378, 24900), (389, 24927), (419, 25032), (460, 25122), (511, 25245), (514, 25257), (516, 25281), (524, 25311), (531, 25326),

Gene: Aglet_33 Start: 23278, Stop: 25035, Start Num: 15

Candidate Starts for Aglet_33:

(Start: 15 @23278 has 86 MA's), (38, 23413), (53, 23479), (62, 23524), (69, 23560), (99, 23692), (140, 23728), (207, 23749), (220, 23806), (234, 23866), (247, 23920), (257, 23980), (280, 24100), (281, 24103), (301, 24172), (304, 24196), (317, 24289), (321, 24310), (331, 24355), (402, 24685), (426, 24754), (454, 24817), (519, 24988),

Gene: AgronaGT15_33 Start: 23185, Stop: 24936, Start Num: 15

Candidate Starts for AgronaGT15_33:

(Start: 15 @23185 has 86 MA's), (38, 23320), (53, 23386), (62, 23431), (69, 23467), (94, 23578), (99, 23599), (140, 23635), (207, 23656), (234, 23773), (261, 23911), (280, 24007), (281, 24010), (301, 24079), (304, 24103), (309, 24148), (317, 24196), (331, 24262), (361, 24433), (364, 24439), (373, 24490), (388, 24535), (397, 24565), (410, 24613), (426, 24655), (431, 24670), (434, 24673), (446, 24697), (497, 24799), (498, 24802), (505, 24826),

Gene: Albee_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Albee_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Alberto7_32 Start: 23262, Stop: 25118, Start Num: 16

Candidate Starts for Alberto7_32:

(Start: 16 @23262 has 169 MA's), (38, 23388), (44, 23412), (66, 23517), (67, 23523), (74, 23571), (77, 23580), (87, 23622), (99, 23667), (124, 23673), (204, 23778), (208, 23790), (226, 23868), (239, 23937), (277, 24165), (284, 24189), (285, 24192), (292, 24219), (294, 24222), (310, 24327), (314, 24348), (316, 24357), (337, 24462), (344, 24501), (355, 24546), (385, 24708), (388, 24714), (422, 24831), (425, 24837), (446, 24882), (465, 24933), (467, 24936), (497, 24999), (500, 25008), (522, 25095),

Gene: Aliter_33 Start: 24305, Stop: 26071, Start Num: 18

Candidate Starts for Aliter_33:

(Start: 18 @24305 has 27 MA's), (23, 24317), (53, 24491), (71, 24581), (86, 24626), (88, 24635), (140, 24713), (183, 24737), (208, 24773), (237, 24902), (239, 24920), (281, 25145), (286, 25166), (291, 25184), (308, 25274), (317, 25331), (341, 25454), (365, 25577), (372, 25616), (388, 25673), (410, 25754), (418, 25775), (419, 25778), (458, 25868), (505, 25979), (524, 26054),

Gene: Alma_33 Start: 24420, Stop: 26186, Start Num: 18

Candidate Starts for Alma_33:

(Start: 18 @24420 has 27 MA's), (53, 24606), (71, 24696), (86, 24741), (88, 24750), (183, 24852), (208, 24888), (237, 25017), (239, 25035), (281, 25260), (286, 25281), (291, 25299), (308, 25389), (317, 25446), (341, 25569), (365, 25692), (368, 25716), (372, 25731), (410, 25869), (418, 25890), (419, 25893), (422, 25899), (458, 25983), (515, 26133), (524, 26169),

Gene: AnnaL29_35 Start: 25114, Stop: 26892, Start Num: 22

Candidate Starts for AnnaL29_35:

(Start: 22 @25114 has 60 MA's), (38, 25225), (40, 25234), (61, 25321), (67, 25357), (69, 25369), (71, 25381), (130, 25528), (140, 25537), (182, 25558), (187, 25570), (237, 25726), (239, 25744), (262, 25876), (281, 25969), (291, 26008), (305, 26065), (308, 26098), (317, 26155), (329, 26209), (341, 26278), (365, 26401), (372, 26440), (380, 26470), (410, 26575), (418, 26596), (419, 26599), (458, 26689), (496, 26770), (514, 26830),

Gene: Annyong_31 Start: 22961, Stop: 24817, Start Num: 16

Candidate Starts for Annyong_31:

(Start: 16 @22961 has 169 MA's), (38, 23087), (44, 23111), (66, 23216), (67, 23222), (74, 23270), (77, 23279), (87, 23321), (99, 23366), (124, 23372), (204, 23477), (208, 23489), (226, 23567), (239, 23636), (277, 23864), (284, 23888), (285, 23891), (292, 23918), (294, 23921), (310, 24026), (314, 24047), (316, 24056), (337, 24161), (344, 24200), (355, 24245), (388, 24413), (422, 24530), (425, 24536), (446, 24581), (465, 24632), (467, 24635), (497, 24698), (500, 24707), (522, 24794),

Gene: Anselm_31 Start: 22873, Stop: 25074, Start Num: 22

Candidate Starts for Anselm_31:

(Start: 22 @22873 has 60 MA's), (27, 22894), (40, 22993), (54, 23056), (61, 23083), (67, 23119), (88, 23221), (91, 23233), (103, 23299), (128, 23410), (154, 23542), (155, 23545), (237, 23899), (239, 23917), (244, 23941), (281, 24142), (291, 24181), (308, 24271), (317, 24328), (330, 24388), (339, 24433), (342, 24454), (360, 24559), (365, 24574), (378, 24643), (389, 24670), (400, 24715), (419, 24775), (429, 24799), (500, 24949), (514, 24997), (516, 25021),

Gene: Anubis_35 Start: 23163, Stop: 24920, Start Num: 15

Candidate Starts for Anubis_35:

(Start: 15 @23163 has 86 MA's), (38, 23298), (53, 23364), (62, 23409), (69, 23445), (99, 23577), (140, 23613), (207, 23634), (220, 23691), (234, 23751), (247, 23805), (257, 23865), (280, 23985), (281, 23988), (301, 24057), (304, 24081), (317, 24174), (321, 24195), (331, 24240), (402, 24570), (426, 24639), (454, 24702), (519, 24873),

Gene: ArcherNM_34 Start: 25064, Stop: 26842, Start Num: 22

Candidate Starts for ArcherNM_34:

(Start: 22 @25064 has 60 MA's), (27, 25085), (38, 25175), (40, 25184), (61, 25271), (67, 25307), (69, 25319), (71, 25331), (140, 25487), (182, 25508), (187, 25520), (217, 25586), (237, 25676), (239, 25694), (244, 25718), (270, 25862), (281, 25919), (291, 25958), (305, 26015), (308, 26048), (317, 26105), (329, 26159), (341, 26228), (365, 26351), (368, 26375), (372, 26390), (410, 26525), (418, 26546), (458, 26639), (496, 26720), (514, 26780), (524, 26825),

Gene: Arturo_30 Start: 23069, Stop: 24925, Start Num: 16

Candidate Starts for Arturo_30:

(Start: 16 @23069 has 169 MA's), (38, 23195), (44, 23219), (66, 23324), (67, 23330), (74, 23378), (77, 23387), (87, 23429), (99, 23474), (124, 23480), (204, 23585), (208, 23597), (222, 23660), (226, 23675), (239, 23744), (277, 23972), (284, 23996), (285, 23999), (292, 24026), (294, 24029), (310, 24134), (314, 24155), (316, 24164), (337, 24269), (344, 24308), (355, 24353), (368, 24452), (422, 24638), (425, 24644), (446, 24689), (465, 24740), (467, 24743), (497, 24806), (500, 24815), (522, 24902),

Gene: AugsMagnumOpus_35 Start: 23269, Stop: 25026, Start Num: 15

Candidate Starts for AugsMagnumOpus_35:

(Start: 15 @23269 has 86 MA's), (38, 23404), (53, 23470), (62, 23515), (69, 23551), (99, 23683), (140, 23719), (207, 23740), (220, 23797), (234, 23857), (247, 23911), (257, 23971), (280, 24091), (281, 24094), (301, 24163), (304, 24187), (317, 24280), (321, 24301), (331, 24346), (402, 24676), (426, 24745), (454, 24808), (519, 24979),

Gene: AvatarAhPeg_32 Start: 23239, Stop: 25098, Start Num: 16

Candidate Starts for AvatarAhPeg_32:

(Start: 16 @23239 has 169 MA's), (31, 23305), (44, 23389), (48, 23407), (58, 23452), (67, 23500), (77, 23557), (87, 23599), (124, 23650), (130, 23671), (147, 23704), (204, 23755), (208, 23767), (219, 23821), (226, 23845), (239, 23914), (277, 24142), (285, 24169), (292, 24196), (294, 24199), (310, 24307), (314, 24328), (316, 24337), (330, 24406), (337, 24442), (344, 24481), (357, 24550), (385, 24688), (422, 24811), (425, 24817), (497, 24979), (500, 24988),

Gene: Avle17_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Avle17_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (385, 24406), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Ayanochan_33 Start: 24410, Stop: 26176, Start Num: 18

Candidate Starts for Ayanochan_33:

(Start: 18 @24410 has 27 MA's), (53, 24596), (71, 24686), (86, 24731), (88, 24740), (140, 24818), (183, 24842), (208, 24878), (237, 25007), (239, 25025), (281, 25250), (286, 25271), (291, 25289),

(308, 25379), (317, 25436), (341, 25559), (365, 25682), (372, 25721), (388, 25778), (410, 25859), (418, 25880), (419, 25883), (453, 25958), (458, 25973), (505, 26084), (524, 26159),

Gene: B1_29 Start: 22527, Stop: 24386, Start Num: 115

Candidate Starts for B1_29:

(Start: 115 @22527 has 34 MA's), (135, 22653), (139, 22671), (142, 22686), (152, 22728), (161, 22791), (190, 22944), (191, 22947), (194, 22968), (197, 22995), (205, 23070), (218, 23121), (237, 23208), (244, 23250), (291, 23490), (305, 23547), (308, 23580), (326, 23673), (330, 23697), (351, 23802), (360, 23868), (365, 23883), (407, 24054), (454, 24159), (478, 24213), (498, 24252), (514, 24306), (517, 24333), (522, 24357),

Gene: Baby16_31 Start: 22969, Stop: 24825, Start Num: 16

Candidate Starts for Baby16_31:

(Start: 16 @22969 has 169 MA's), (38, 23095), (44, 23119), (66, 23224), (67, 23230), (74, 23278), (77, 23287), (87, 23329), (99, 23374), (124, 23380), (204, 23485), (208, 23497), (226, 23575), (239, 23644), (277, 23872), (284, 23896), (285, 23899), (292, 23926), (294, 23929), (310, 24034), (316, 24064), (318, 24079), (337, 24169), (344, 24208), (355, 24253), (388, 24421), (422, 24538), (425, 24544), (446, 24589), (465, 24640), (467, 24643), (497, 24706), (500, 24715), (522, 24802),

Gene: BabyBack_33 Start: 24351, Stop: 26132, Start Num: 22

Candidate Starts for BabyBack_33:

(Start: 22 @24351 has 60 MA's), (27, 24372), (38, 24462), (40, 24471), (41, 24477), (69, 24609), (71, 24621), (87, 24696), (187, 24810), (237, 24966), (239, 24984), (244, 25008), (264, 25122), (281, 25209), (291, 25248), (308, 25338), (312, 25359), (329, 25449), (339, 25500), (342, 25521), (368, 25665), (372, 25680), (410, 25815), (418, 25836), (427, 25857), (446, 25896), (453, 25914), (458, 25929), (476, 25968), (496, 26010), (505, 26040), (509, 26052), (522, 26109),

Gene: BabyJohn_30 Start: 23109, Stop: 24968, Start Num: 115

Candidate Starts for BabyJohn_30:

(Start: 115 @23109 has 34 MA's), (139, 23253), (152, 23310), (191, 23529), (193, 23547), (194, 23550), (197, 23577), (203, 23646), (205, 23652), (237, 23790), (239, 23808), (244, 23832), (291, 24072), (308, 24162), (341, 24342), (351, 24384), (360, 24450), (365, 24465), (407, 24636), (419, 24666), (478, 24795), (514, 24888), (517, 24915), (522, 24939), (524, 24945),

Gene: BabyRay_31 Start: 23087, Stop: 24946, Start Num: 115

Candidate Starts for BabyRay_31:

(Start: 115 @23087 has 34 MA's), (139, 23231), (142, 23246), (152, 23288), (161, 23351), (185, 23483), (191, 23507), (194, 23528), (197, 23555), (205, 23630), (237, 23768), (239, 23786), (241, 23789), (244, 23810), (291, 24050), (308, 24140), (326, 24233), (330, 24257), (351, 24362), (360, 24428), (365, 24443), (372, 24482), (407, 24614), (454, 24719), (478, 24773), (498, 24812), (514, 24866), (517, 24893), (522, 24917),

Gene: Backyardigan_31 Start: 22981, Stop: 24840, Start Num: 16

Candidate Starts for Backyardigan_31:

(12, 22921), (Start: 16 @22981 has 169 MA's), (31, 23047), (34, 23092), (36, 23098), (44, 23131), (48, 23149), (58, 23194), (60, 23200), (61, 23206), (77, 23299), (81, 23314), (99, 23386), (147, 23446), (204, 23497), (208, 23509), (226, 23587), (239, 23656), (259, 23779), (263, 23803), (277, 23884), (288, 23929), (292, 23938), (294, 23941), (314, 24070), (316, 24079), (324, 24121), (330, 24148), (337, 24184), (341, 24211), (344, 24223), (371, 24379), (422, 24553), (425, 24559), (446, 24604), (465, 24655), (467, 24658), (484, 24694), (500, 24730),

Gene: Bactobuster_33 Start: 24863, Stop: 26638, Start Num: 16

Candidate Starts for Bactobuster_33:

(14, 24824), (Start: 16 @24863 has 169 MA's), (38, 24974), (40, 24983), (54, 25040), (61, 25067), (77, 25160), (130, 25274), (182, 25304), (229, 25439), (237, 25472), (239, 25490), (244, 25514), (264, 25628), (272, 25676), (281, 25715), (291, 25754), (295, 25766), (305, 25811), (339, 26006), (342, 26027), (359, 26120), (372, 26186), (393, 26258), (410, 26321), (453, 26420), (458, 26435), (496, 26516), (514, 26576), (524, 26621),

Gene: Badger_31 Start: 22970, Stop: 24829, Start Num: 16

Candidate Starts for Badger_31:

(12, 22910), (Start: 16 @22970 has 169 MA's), (31, 23036), (34, 23081), (36, 23087), (44, 23120), (48, 23138), (58, 23183), (60, 23189), (61, 23195), (77, 23288), (81, 23303), (99, 23375), (147, 23435), (204, 23486), (208, 23498), (226, 23576), (239, 23645), (259, 23768), (263, 23792), (277, 23873), (288, 23918), (292, 23927), (294, 23930), (314, 24059), (316, 24068), (324, 24110), (330, 24137), (337, 24173), (341, 24200), (344, 24212), (371, 24368), (422, 24542), (425, 24548), (446, 24593), (465, 24644), (467, 24647), (484, 24683), (500, 24719),

Gene: Baehexic_32 Start: 23237, Stop: 25444, Start Num: 21

Candidate Starts for Baehexic_32:

(Start: 21 @23237 has 44 MA's), (38, 23351), (40, 23360), (41, 23366), (47, 23387), (54, 23423), (69, 23498), (88, 23588), (91, 23600), (128, 23777), (137, 23816), (155, 23912), (205, 24125), (217, 24173), (237, 24263), (242, 24293), (244, 24305), (291, 24545), (308, 24644), (312, 24665), (329, 24755), (330, 24761), (331, 24767), (339, 24806), (342, 24827), (350, 24863), (351, 24866), (360, 24932), (419, 25148), (442, 25196), (472, 25259), (500, 25319), (514, 25367), (524, 25421),

Gene: BangNhom_31 Start: 23274, Stop: 25130, Start Num: 16

Candidate Starts for BangNhom_31:

(Start: 16 @23274 has 169 MA's), (38, 23400), (44, 23424), (66, 23529), (67, 23535), (74, 23583), (87, 23634), (124, 23685), (204, 23790), (208, 23802), (226, 23880), (239, 23949), (266, 24117), (271, 24147), (277, 24177), (284, 24201), (285, 24204), (292, 24231), (294, 24234), (310, 24339), (314, 24360), (316, 24369), (344, 24513), (355, 24558), (385, 24720), (422, 24843), (446, 24894), (497, 25011), (500, 25020), (522, 25107),

Gene: Bartimeaus_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Bartimeaus_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Beauxregard13_33 Start: 23277, Stop: 25034, Start Num: 15

Candidate Starts for Beauxregard13_33:

(Start: 15 @23277 has 86 MA's), (38, 23412), (53, 23478), (62, 23523), (69, 23559), (99, 23691), (140, 23727), (207, 23748), (220, 23805), (234, 23865), (247, 23919), (257, 23979), (280, 24099), (281, 24102), (301, 24171), (304, 24195), (317, 24288), (321, 24309), (331, 24354), (402, 24684), (426, 24753), (454, 24816), (519, 24987),

Gene: Beemo_33 Start: 24411, Stop: 26177, Start Num: 18

Candidate Starts for Beemo_33:

(Start: 18 @24411 has 27 MA's), (23, 24423), (53, 24597), (71, 24687), (86, 24732), (88, 24741), (140, 24819), (183, 24843), (208, 24879), (237, 25008), (239, 25026), (281, 25251), (286, 25272), (291, 25290), (308, 25380), (317, 25437), (341, 25560), (365, 25683), (372, 25722), (388, 25779), (410, 25860), (418, 25881), (419, 25884), (453, 25959), (458, 25974), (505, 26085), (524, 26160),

Gene: Bellris_30 Start: 22236, Stop: 23978, Start Num: 21

Candidate Starts for Bellris_30:

(Start: 21 @22236 has 44 MA's), (23, 22242), (40, 22359), (48, 22392), (71, 22509), (76, 22539), (89, 22587), (92, 22596), (93, 22599), (181, 22686), (206, 22731), (215, 22758), (231, 22833), (248, 22911), (258, 22977), (283, 23103), (367, 23535), (376, 23580), (413, 23712), (470, 23853), (474, 23865), (492, 23904), (512, 23967),

Gene: BellusTerra_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for BellusTerra_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (351, 24223), (355, 24241), (368, 24340), (422, 24526), (446, 24577), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: BengiVuitton_32 Start: 23191, Stop: 25377, Start Num: 22

Candidate Starts for BengiVuitton_32:

(Start: 22 @23191 has 60 MA's), (27, 23212), (38, 23302), (47, 23332), (61, 23395), (67, 23431), (76, 23485), (101, 23581), (103, 23611), (114, 23743), (128, 23833), (132, 23848), (155, 23968), (159, 24001), (162, 24010), (237, 24205), (239, 24223), (281, 24451), (291, 24490), (305, 24547), (308, 24580), (312, 24601), (317, 24637), (330, 24697), (339, 24742), (342, 24763), (344, 24772), (365, 24883), (368, 24907), (372, 24922), (373, 24928), (410, 25060), (430, 25114), (455, 25162), (459, 25174), (476, 25213), (522, 25354), (525, 25363),

Gene: Benvolio_31 Start: 22854, Stop: 25181, Start Num: 21

Candidate Starts for Benvolio_31:

(Start: 21 @22854 has 44 MA's), (27, 22878), (40, 22977), (41, 22983), (48, 23010), (61, 23067), (67, 23103), (76, 23157), (83, 23184), (88, 23205), (95, 23229), (103, 23283), (128, 23394), (155, 23529), (159, 23562), (192, 23748), (237, 24000), (239, 24018), (244, 24042), (281, 24243), (291, 24282), (308, 24372), (317, 24429), (330, 24489), (339, 24534), (342, 24555), (365, 24675), (368, 24699), (378, 24744), (389, 24777), (444, 24933), (496, 25044), (514, 25104), (524, 25158), (529, 25167),

Gene: BiancaTri92_33 Start: 24557, Stop: 26335, Start Num: 16

Candidate Starts for BiancaTri92_33:

(Start: 16 @24557 has 169 MA's), (38, 24668), (40, 24677), (54, 24737), (61, 24764), (67, 24800), (140, 24980), (182, 25001), (187, 25013), (231, 25148), (237, 25169), (239, 25187), (244, 25211), (262, 25319), (275, 25385), (291, 25451), (305, 25508), (308, 25541), (317, 25598), (360, 25829), (368, 25868), (372, 25883), (410, 26018), (419, 26042), (422, 26048), (453, 26117), (458, 26132), (476, 26171), (496, 26213), (524, 26318),

Gene: Bigflo_33 Start: 23276, Stop: 25033, Start Num: 15

Candidate Starts for Bigflo_33:

(Start: 15 @23276 has 86 MA's), (38, 23411), (53, 23477), (62, 23522), (69, 23558), (99, 23690), (140, 23726), (207, 23747), (220, 23804), (234, 23864), (247, 23918), (257, 23978), (280, 24098), (281, 24101), (301, 24170), (304, 24194), (317, 24287), (321, 24308), (331, 24353), (402, 24683), (426, 24752), (454, 24815), (519, 24986),

Gene: Blackmoor_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Blackmoor_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425,

24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: BlueBird_32 Start: 22838, Stop: 24697, Start Num: 115

Candidate Starts for BlueBird_32:

(Start: 115 @22838 has 34 MA's), (139, 22982), (142, 22997), (152, 23039), (173, 23162), (180, 23210), (189, 23252), (191, 23258), (194, 23279), (237, 23519), (242, 23549), (251, 23597), (272, 23723), (281, 23762), (291, 23801), (305, 23858), (308, 23891), (339, 24053), (340, 24056), (351, 24113), (360, 24179), (365, 24194), (419, 24395), (476, 24521), (478, 24524), (511, 24605), (514, 24617), (517, 24644), (524, 24674),

Gene: BobSwaget_34 Start: 24339, Stop: 26123, Start Num: 21

Candidate Starts for BobSwaget_34:

(Start: 21 @24339 has 44 MA's), (27, 24363), (38, 24453), (40, 24462), (53, 24519), (217, 24867), (218, 24870), (237, 24957), (239, 24975), (244, 24999), (262, 25107), (281, 25200), (291, 25239), (308, 25329), (318, 25389), (329, 25440), (339, 25491), (342, 25512), (368, 25656), (372, 25671), (374, 25689), (418, 25827), (427, 25848), (458, 25920), (467, 25938), (476, 25959), (487, 25980), (496, 26001), (514, 26061), (524, 26106),

Gene: BogosyJay_32 Start: 23933, Stop: 25699, Start Num: 18

Candidate Starts for BogosyJay_32:

(Start: 18 @23933 has 27 MA's), (49, 24098), (53, 24119), (67, 24185), (69, 24197), (71, 24209), (86, 24254), (88, 24263), (90, 24272), (130, 24332), (140, 24341), (183, 24365), (208, 24401), (228, 24494), (237, 24530), (239, 24548), (281, 24773), (286, 24794), (291, 24812), (308, 24902), (317, 24959), (326, 24995), (341, 25082), (365, 25205), (368, 25229), (372, 25244), (388, 25301), (418, 25403), (419, 25406), (458, 25496), (505, 25607), (524, 25682),

Gene: Bombshell_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Bombshell_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Bradman_30 Start: 21646, Stop: 23397, Start Num: 22

Candidate Starts for Bradman_30:

(Start: 22 @21646 has 60 MA's), (27, 21667), (40, 21766), (44, 21781), (61, 21856), (71, 21916), (97, 22027), (127, 22060), (141, 22084), (142, 22090), (187, 22162), (214, 22237), (223, 22270), (228, 22300), (287, 22588), (309, 22708), (322, 22777), (370, 23008), (392, 23083), (395, 23095), (397, 23104), (408, 23143), (491, 23338), (501, 23365), (502, 23368), (505, 23380),

Gene: BreSam8_33 Start: 23270, Stop: 25027, Start Num: 15

Candidate Starts for BreSam8_33:

(Start: 15 @23270 has 86 MA's), (38, 23405), (53, 23471), (62, 23516), (69, 23552), (99, 23684), (140, 23720), (207, 23741), (220, 23798), (234, 23858), (247, 23912), (257, 23972), (280, 24092), (281, 24095), (301, 24164), (304, 24188), (317, 24281), (321, 24302), (331, 24347), (402, 24677), (426, 24746), (454, 24809), (519, 24980),

Gene: Broseidon_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Broseidon_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316,

24055), (318, 24070), (337, 24160), (340, 24172), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Bruiser_30 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Bruiser_30:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (385, 24406), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: BubbleTrouble_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for BubbleTrouble_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Buckaroo_30 Start: 22964, Stop: 24820, Start Num: 16

Candidate Starts for Buckaroo_30:

(Start: 16 @22964 has 169 MA's), (38, 23090), (44, 23114), (66, 23219), (67, 23225), (74, 23273), (77, 23282), (87, 23324), (99, 23369), (124, 23375), (204, 23480), (208, 23492), (226, 23570), (239, 23639), (277, 23867), (284, 23891), (285, 23894), (292, 23921), (294, 23924), (310, 24029), (316, 24059), (318, 24074), (337, 24164), (344, 24203), (355, 24248), (388, 24416), (422, 24533), (425, 24539), (446, 24584), (465, 24635), (467, 24638), (497, 24701), (500, 24710), (522, 24797),

Gene: Bugatti_31 Start: 22838, Stop: 24697, Start Num: 115

Candidate Starts for Bugatti_31:

(Start: 115 @22838 has 34 MA's), (139, 22982), (142, 22997), (152, 23039), (173, 23162), (180, 23210), (189, 23252), (191, 23258), (194, 23279), (237, 23519), (242, 23549), (251, 23597), (272, 23723), (281, 23762), (291, 23801), (305, 23858), (308, 23891), (339, 24053), (340, 24056), (351, 24113), (360, 24179), (365, 24194), (419, 24395), (476, 24521), (478, 24524), (511, 24605), (514, 24617), (517, 24644), (524, 24674),

Gene: Bugsy_33 Start: 23267, Stop: 25489, Start Num: 21

Candidate Starts for Bugsy_33:

(Start: 21 @23267 has 44 MA's), (38, 23381), (40, 23390), (41, 23396), (61, 23480), (88, 23618), (95, 23642), (103, 23696), (137, 23846), (155, 23942), (160, 23978), (163, 23987), (237, 24293), (244, 24335), (291, 24575), (308, 24674), (312, 24695), (321, 24752), (330, 24791), (331, 24797), (350, 24893), (351, 24896), (360, 24962), (378, 25046), (400, 25118), (442, 25238), (494, 25349), (511, 25400), (514, 25412),

Gene: Bumblebee11_31 Start: 22972, Stop: 24831, Start Num: 16

Candidate Starts for Bumblebee11_31:

(12, 22912), (Start: 16 @22972 has 169 MA's), (31, 23038), (34, 23083), (36, 23089), (44, 23122), (48, 23140), (58, 23185), (60, 23191), (61, 23197), (77, 23290), (81, 23305), (99, 23377), (147, 23437), (204, 23488), (208, 23500), (226, 23578), (239, 23647), (259, 23770), (263, 23794), (277, 23875), (288, 23920), (292, 23929), (294, 23932), (314, 24061), (316, 24070), (324, 24112), (330, 24139), (337, 24175), (341, 24202), (344, 24214), (371, 24370), (422, 24544), (425, 24550), (446, 24595), (465, 24646), (467, 24649), (484, 24685), (500, 24721),

Gene: Burger_30 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Burger_30:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: BuzzBuzz_32 Start: 23364, Stop: 25115, Start Num: 15

Candidate Starts for BuzzBuzz_32:

(Start: 15 @23364 has 86 MA's), (38, 23499), (53, 23565), (62, 23610), (69, 23646), (94, 23757), (99, 23778), (140, 23814), (207, 23835), (234, 23952), (261, 24090), (280, 24186), (281, 24189), (301, 24258), (304, 24282), (309, 24327), (317, 24375), (331, 24441), (361, 24612), (364, 24618), (373, 24669), (388, 24714), (397, 24744), (410, 24792), (426, 24834), (431, 24849), (434, 24852), (446, 24876), (497, 24978), (498, 24981), (505, 25005),

Gene: Bxz2_32 Start: 23371, Stop: 25122, Start Num: 15

Candidate Starts for Bxz2_32:

(Start: 15 @23371 has 86 MA's), (38, 23506), (53, 23572), (62, 23617), (69, 23653), (94, 23764), (99, 23785), (140, 23821), (207, 23842), (234, 23959), (261, 24097), (280, 24193), (281, 24196), (301, 24265), (304, 24289), (309, 24334), (317, 24382), (331, 24448), (361, 24619), (364, 24625), (373, 24676), (388, 24721), (397, 24751), (410, 24799), (426, 24841), (431, 24856), (434, 24859), (446, 24883), (497, 24985), (498, 24988), (505, 25012),

Gene: C3_29 Start: 22703, Stop: 24556, Start Num: 22

Candidate Starts for C3_29:

(Start: 19 @22697 has 5 MA's), (Start: 22 @22703 has 60 MA's), (40, 22823), (61, 22913), (71, 22973), (74, 22997), (82, 23024), (127, 23117), (141, 23141), (142, 23147), (204, 23249), (287, 23654), (303, 23723), (334, 23891), (354, 23978), (370, 24074), (413, 24221), (462, 24335), (490, 24404), (500, 24428), (508, 24458), (512, 24473),

Gene: CRB1_31 Start: 22754, Stop: 24937, Start Num: 22

Candidate Starts for CRB1_31:

(Start: 22 @22754 has 60 MA's), (27, 22775), (38, 22865), (40, 22874), (47, 22895), (54, 22931), (61, 22958), (67, 22994), (88, 23096), (103, 23174), (128, 23285), (137, 23324), (155, 23420), (159, 23453), (237, 23774), (239, 23792), (241, 23795), (244, 23816), (281, 24017), (291, 24056), (296, 24077), (305, 24113), (308, 24146), (312, 24167), (317, 24203), (331, 24269), (339, 24308), (342, 24329), (360, 24434), (365, 24449), (388, 24542), (410, 24623), (427, 24665), (459, 24734), (476, 24773), (482, 24782), (522, 24914), (524, 24920),

Gene: Caelakin_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Caelakin_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (385, 24406), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Calvinny_33 Start: 23361, Stop: 25169, Start Num: 15

Candidate Starts for Calvinny_33:

(Start: 15 @23361 has 86 MA's), (38, 23496), (53, 23562), (62, 23607), (69, 23643), (88, 23733), (95, 23757), (130, 23802), (182, 23832), (237, 24000), (239, 24018), (244, 24042), (272, 24204), (281, 24243), (291, 24282), (308, 24372), (339, 24534), (342, 24555), (358, 24642), (368, 24699), (372, 24714), (391, 24777), (410, 24852), (418, 24873), (458, 24966), (476, 25005), (496, 25047), (522, 25146),

Gene: Camperdownii_30 Start: 22579, Stop: 24435, Start Num: 16

Candidate Starts for Camperdownii_30:

(Start: 16 @22579 has 169 MA's), (38, 22705), (44, 22729), (66, 22834), (67, 22840), (74, 22888), (87, 22939), (124, 22990), (204, 23095), (208, 23107), (226, 23185), (239, 23254), (266, 23422), (271, 23452), (277, 23482), (285, 23509), (292, 23536), (294, 23539), (310, 23644), (314, 23665), (316, 23674), (337, 23779), (344, 23818), (351, 23845), (355, 23863), (356, 23866), (371, 23974), (388, 24031), (422, 24148), (425, 24154), (497, 24316), (500, 24325),

Gene: Caraxes_30 Start: 21397, Stop: 22950, Start Num: 22

Candidate Starts for Caraxes_30:

(Start: 19 @21391 has 5 MA's), (Start: 22 @21397 has 60 MA's), (40, 21517), (48, 21550), (49, 21553), (54, 21580), (71, 21667), (127, 21754), (201, 21856), (309, 22384), (311, 22390), (316, 22420), (322, 22453), (326, 22465), (346, 22558), (354, 22588), (370, 22684), (392, 22756), (412, 22822), (415, 22834), (440, 22879),

Gene: Cat_29 Start: 22703, Stop: 24562, Start Num: 115

Candidate Starts for Cat_29:

(Start: 115 @22703 has 34 MA's), (135, 22829), (138, 22838), (152, 22904), (153, 22925), (161, 22967), (185, 23099), (191, 23123), (194, 23144), (197, 23171), (205, 23246), (237, 23384), (239, 23402), (241, 23405), (244, 23426), (268, 23564), (291, 23666), (308, 23756), (326, 23849), (330, 23873), (351, 23978), (360, 24044), (365, 24059), (407, 24230), (454, 24335), (478, 24389), (498, 24428), (514, 24482), (517, 24509), (522, 24533),

Gene: Catalina_34 Start: 24377, Stop: 26143, Start Num: 18

Candidate Starts for Catalina_34:

(Start: 18 @24377 has 27 MA's), (23, 24389), (53, 24563), (71, 24653), (86, 24698), (88, 24707), (140, 24785), (183, 24809), (208, 24845), (237, 24974), (239, 24992), (281, 25217), (286, 25238), (291, 25256), (308, 25346), (317, 25403), (341, 25526), (365, 25649), (372, 25688), (388, 25745), (410, 25826), (418, 25847), (419, 25850), (458, 25940), (505, 26051), (524, 26126),

Gene: Caviar_32 Start: 23373, Stop: 25232, Start Num: 115

Candidate Starts for Caviar_32:

(Start: 115 @23373 has 34 MA's), (139, 23517), (143, 23535), (152, 23574), (153, 23595), (161, 23637), (165, 23655), (194, 23814), (197, 23841), (212, 23946), (218, 23967), (237, 24054), (244, 24096), (291, 24336), (308, 24426), (317, 24483), (351, 24648), (359, 24702), (360, 24714), (365, 24729), (398, 24858), (400, 24870), (419, 24930), (424, 24942), (447, 24987), (454, 25005), (514, 25152), (517, 25179), (524, 25209),

Gene: Celestiallunch_30 Start: 22321, Stop: 24066, Start Num: 21

Candidate Starts for Celestiallunch_30:

(Start: 21 @22321 has 44 MA's), (48, 22477), (65, 22558), (76, 22624), (89, 22672), (98, 22696), (144, 22741), (181, 22771), (226, 22885), (258, 23062), (306, 23293), (309, 23332), (333, 23446), (363, 23605), (367, 23620), (416, 23806), (428, 23836), (462, 23917), (474, 23950), (503, 24022), (512, 24052), (513, 24055),

Gene: Centaur_33 Start: 23215, Stop: 25422, Start Num: 21

Candidate Starts for Centaur_33:

(Start: 21 @23215 has 44 MA's), (38, 23329), (40, 23338), (41, 23344), (47, 23365), (54, 23401), (69, 23476), (88, 23566), (91, 23578), (128, 23755), (137, 23794), (155, 23890), (205, 24103), (217, 24151), (237, 24241), (242, 24271), (244, 24283), (291, 24523), (308, 24622), (312, 24643), (329, 24733), (330, 24739), (331, 24745), (339, 24784), (342, 24805), (350, 24841), (351, 24844), (360, 24910), (419, 25126), (442, 25174), (472, 25237), (500, 25297), (514, 25345), (524, 25399),

Gene: CentreCat_31 Start: 22961, Stop: 24817, Start Num: 16

Candidate Starts for CentreCat_31:

(Start: 16 @22961 has 169 MA's), (38, 23087), (44, 23111), (66, 23216), (67, 23222), (74, 23270), (77, 23279), (87, 23321), (99, 23366), (124, 23372), (204, 23477), (208, 23489), (226, 23567), (239, 23636), (277, 23864), (284, 23888), (285, 23891), (292, 23918), (294, 23921), (310, 24026), (316, 24056), (318, 24071), (337, 24161), (344, 24200), (355, 24245), (388, 24413), (422, 24530), (425, 24536), (446, 24581), (465, 24632), (467, 24635), (497, 24698), (500, 24707), (522, 24794),

Gene: Cerulean_32 Start: 23275, Stop: 25131, Start Num: 16

Candidate Starts for Cerulean_32:

(Start: 16 @23275 has 169 MA's), (38, 23401), (44, 23425), (66, 23530), (67, 23536), (74, 23584), (87, 23635), (124, 23686), (204, 23791), (208, 23803), (226, 23881), (239, 23950), (266, 24118), (271, 24148), (277, 24178), (284, 24202), (285, 24205), (292, 24232), (294, 24235), (310, 24340), (314, 24361), (316, 24370), (344, 24514), (355, 24559), (385, 24721), (422, 24844), (446, 24895), (497, 25012), (500, 25021), (522, 25108),

Gene: ChampagnePapi_32 Start: 23274, Stop: 25130, Start Num: 16

Candidate Starts for ChampagnePapi_32:

(Start: 16 @23274 has 169 MA's), (38, 23400), (44, 23424), (66, 23529), (67, 23535), (74, 23583), (87, 23634), (124, 23685), (204, 23790), (208, 23802), (226, 23880), (239, 23949), (277, 24177), (284, 24201), (285, 24204), (292, 24231), (294, 24234), (310, 24339), (316, 24369), (318, 24384), (337, 24474), (344, 24513), (355, 24558), (388, 24726), (422, 24843), (446, 24894), (497, 25011), (500, 25020), (522, 25107),

Gene: Changeling_34 Start: 25115, Stop: 26890, Start Num: 22

Candidate Starts for Changeling_34:

(11, 25016), (Start: 22 @25115 has 60 MA's), (38, 25226), (40, 25235), (61, 25319), (67, 25355), (69, 25367), (71, 25379), (95, 25481), (124, 25505), (182, 25556), (187, 25568), (231, 25703), (237, 25724), (239, 25742), (244, 25766), (281, 25967), (291, 26006), (305, 26063), (308, 26096), (317, 26153), (329, 26207), (341, 26276), (360, 26384), (365, 26399), (372, 26438), (418, 26594), (458, 26687), (496, 26768), (514, 26828), (524, 26873),

Gene: Chaph_31 Start: 22969, Stop: 24825, Start Num: 16

Candidate Starts for Chaph_31:

(Start: 16 @22969 has 169 MA's), (38, 23095), (44, 23119), (66, 23224), (67, 23230), (74, 23278), (77, 23287), (87, 23329), (99, 23374), (124, 23380), (204, 23485), (208, 23497), (226, 23575), (239, 23644), (277, 23872), (284, 23896), (285, 23899), (292, 23926), (294, 23929), (310, 24034), (316, 24064), (318, 24079), (337, 24169), (344, 24208), (355, 24253), (388, 24421), (422, 24538), (425, 24544), (446, 24589), (465, 24640), (467, 24643), (497, 24706), (500, 24715), (522, 24802),

Gene: Chargerpower_32 Start: 22051, Stop: 23787, Start Num: 46

Candidate Starts for Chargerpower_32:

(Start: 46 @22051 has 1 MA's), (79, 22222), (85, 22243), (88, 22255), (147, 22333), (211, 22432), (235, 22492), (265, 22666), (283, 22750), (309, 22894), (327, 22978), (363, 23167), (441, 23404), (476, 23494), (484, 23509), (521, 23647), (523, 23656), (530, 23671), (533, 23704),

Gene: Charm_31 Start: 22329, Stop: 24071, Start Num: 21

Candidate Starts for Charm_31:

(Start: 21 @22329 has 44 MA's), (23, 22335), (48, 22485), (54, 22515), (65, 22566), (76, 22632), (89, 22680), (98, 22704), (181, 22779), (226, 22893), (248, 23004), (258, 23070), (278, 23184), (289, 23220), (306, 23301), (309, 23340), (333, 23454), (336, 23466), (363, 23613), (367, 23628), (376, 23673), (462, 23925), (474, 23958), (475, 23961), (492, 23997), (512, 24060),

Gene: Che12_33 Start: 21672, Stop: 23324, Start Num: 22

Candidate Starts for Che12_33:

(Start: 22 @21672 has 60 MA's), (38, 21783), (47, 21819), (67, 21918), (71, 21942), (141, 22110), (142, 22116), (291, 22626), (309, 22737), (326, 22818), (346, 22911), (354, 22941), (370, 23037), (392, 23109), (417, 23196), (427, 23208),

Gene: ChipMunk_33 Start: 23177, Stop: 25654, Start Num: 22

Candidate Starts for ChipMunk_33:

(Start: 22 @23177 has 60 MA's), (27, 23198), (38, 23288), (61, 23387), (69, 23435), (91, 23567), (119, 23813), (121, 23840), (126, 23855), (142, 23930), (168, 24071), (178, 24143), (196, 24245), (199, 24287), (231, 24455), (241, 24497), (244, 24518), (263, 24629), (264, 24632), (274, 24689), (290, 24755), (291, 24758), (295, 24770), (303, 24812), (305, 24821), (308, 24854), (317, 24911), (339, 25016), (342, 25037), (351, 25076), (378, 25226), (381, 25232), (386, 25247), (389, 25253), (398, 25286), (400, 25298), (403, 25307), (407, 25328), (438, 25397), (483, 25496), (497, 25523), (498, 25526), (514, 25580), (517, 25607),

Gene: Chiqui_30 Start: 23109, Stop: 24977, Start Num: 115

Candidate Starts for Chiqui_30:

(Start: 115 @23109 has 34 MA's), (139, 23253), (152, 23310), (191, 23538), (193, 23556), (194, 23559), (197, 23586), (203, 23655), (205, 23661), (237, 23799), (239, 23817), (244, 23841), (291, 24081), (308, 24171), (341, 24351), (351, 24393), (360, 24459), (365, 24474), (407, 24645), (419, 24675), (478, 24804), (514, 24897), (517, 24924), (522, 24948), (524, 24954),

Gene: Chupacabra_32 Start: 23269, Stop: 25104, Start Num: 16

Candidate Starts for Chupacabra_32:

(Start: 16 @23269 has 169 MA's), (25, 23302), (29, 23317), (88, 23629), (95, 23653), (99, 23671), (100, 23674), (101, 23677), (102, 23698), (104, 23725), (237, 23938), (239, 23956), (244, 23980), (267, 24115), (270, 24124), (291, 24220), (305, 24277), (308, 24310), (329, 24421), (341, 24490), (360, 24598), (365, 24613), (372, 24652), (373, 24658), (393, 24724), (410, 24787), (418, 24808), (419, 24811), (422, 24817), (427, 24829), (453, 24886), (458, 24901), (463, 24910), (496, 24982), (514, 25042), (524, 25087), (525, 25090),

Gene: Cici_31 Start: 22966, Stop: 24825, Start Num: 16

Candidate Starts for Cici_31:

(12, 22906), (Start: 16 @22966 has 169 MA's), (31, 23032), (34, 23077), (36, 23083), (44, 23116), (48, 23134), (58, 23179), (60, 23185), (61, 23191), (77, 23284), (81, 23299), (99, 23371), (147, 23431), (204, 23482), (208, 23494), (226, 23572), (239, 23641), (259, 23764), (263, 23788), (277, 23869), (288, 23914), (292, 23923), (294, 23926), (314, 24055), (316, 24064), (324, 24106), (330, 24133), (337, 24169), (341, 24196), (344, 24208), (371, 24364), (422, 24538), (425, 24544), (446, 24589), (465, 24640), (467, 24643), (484, 24679), (500, 24715),

Gene: Cindaradix_30 Start: 22690, Stop: 24546, Start Num: 16

Candidate Starts for Cindaradix_30:

(Start: 16 @22690 has 169 MA's), (44, 22840), (48, 22858), (50, 22870), (58, 22903), (61, 22915), (67, 22951), (77, 23008), (81, 23023), (147, 23155), (204, 23206), (208, 23218), (226, 23296), (229, 23317), (239, 23365), (277, 23593), (292, 23647), (294, 23650), (310, 23755), (314, 23776), (316, 23785), (337, 23890), (371, 24085), (388, 24142), (422, 24259), (425, 24265), (500, 24436),

Gene: Cintron_31 Start: 23005, Stop: 24864, Start Num: 16

Candidate Starts for Cintron_31:

(Start: 16 @23005 has 169 MA's), (38, 23131), (44, 23155), (66, 23260), (67, 23266), (74, 23314), (77, 23323), (87, 23365), (99, 23410), (124, 23416), (204, 23521), (208, 23533), (226, 23611), (239, 23680), (266, 23848), (277, 23908), (284, 23932), (285, 23935), (292, 23962), (294, 23965), (310, 24070), (316, 24100), (318, 24115), (337, 24205), (344, 24244), (351, 24271), (355, 24289), (425, 24580), (458, 24658), (463, 24670), (465, 24676), (484, 24715), (497, 24742), (499, 24748), (522, 24841),

Gene: Citius_31 Start: 22975, Stop: 24831, Start Num: 16

Candidate Starts for Citius_31:

(Start: 16 @22975 has 169 MA's), (38, 23101), (44, 23125), (66, 23230), (67, 23236), (74, 23284), (87, 23335), (99, 23380), (124, 23386), (204, 23491), (208, 23503), (226, 23581), (239, 23650), (277, 23878), (284, 23902), (285, 23905), (292, 23932), (294, 23935), (310, 24040), (316, 24070), (318, 24085), (337, 24175), (344, 24214), (355, 24259), (388, 24427), (422, 24544), (425, 24550), (446, 24595), (465, 24646), (467, 24649), (497, 24712), (500, 24721), (522, 24808),

Gene: Clammy_31 Start: 22838, Stop: 24697, Start Num: 115

Candidate Starts for Clammy_31:

(Start: 115 @22838 has 34 MA's), (139, 22982), (142, 22997), (152, 23039), (173, 23162), (180, 23210), (189, 23252), (191, 23258), (194, 23279), (237, 23519), (242, 23549), (251, 23597), (272, 23723), (281, 23762), (291, 23801), (305, 23858), (308, 23891), (339, 24053), (340, 24056), (351, 24113), (360, 24179), (365, 24194), (419, 24395), (476, 24521), (478, 24524), (511, 24605), (514, 24617), (517, 24644), (524, 24674),

Gene: Clarenza_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for Clarenza_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: ClownCar_33 Start: 23353, Stop: 25161, Start Num: 15

Candidate Starts for ClownCar_33:

(Start: 15 @23353 has 86 MA's), (38, 23488), (53, 23554), (62, 23599), (69, 23635), (88, 23725), (95, 23749), (130, 23794), (182, 23824), (237, 23992), (239, 24010), (244, 24034), (272, 24196), (281, 24235), (291, 24274), (308, 24364), (339, 24526), (342, 24547), (358, 24634), (368, 24691), (372, 24706), (391, 24769), (410, 24844), (418, 24865), (458, 24958), (476, 24997), (496, 25039), (522, 25138),

Gene: Cocoaberry_31 Start: 22964, Stop: 24820, Start Num: 16

Candidate Starts for Cocoaberry_31:

(Start: 16 @22964 has 169 MA's), (38, 23090), (44, 23114), (66, 23219), (67, 23225), (74, 23273), (77, 23282), (87, 23324), (99, 23369), (124, 23375), (204, 23480), (208, 23492), (226, 23570), (239, 23639), (277, 23867), (284, 23891), (285, 23894), (292, 23921), (294, 23924), (310, 24029), (314, 24050), (316, 24059), (337, 24164), (344, 24203), (355, 24248), (385, 24410), (388, 24416), (422, 24533), (425, 24539), (446, 24584), (465, 24635), (467, 24638), (497, 24701), (500, 24710), (522, 24797),

Gene: CogOmlette_29 Start: 22236, Stop: 23978, Start Num: 21

Candidate Starts for CogOmlette_29:

(Start: 21 @22236 has 44 MA's), (23, 22242), (40, 22359), (48, 22392), (71, 22509), (76, 22539), (89, 22587), (92, 22596), (93, 22599), (181, 22686), (206, 22731), (215, 22758), (231, 22833), (248, 22911), (258, 22977), (283, 23103), (367, 23535), (376, 23580), (413, 23712), (470, 23853), (474, 23865), (492, 23904), (512, 23967),

Gene: Colbster_33 Start: 23277, Stop: 25034, Start Num: 15

Candidate Starts for Colbster_33:

(Start: 15 @23277 has 86 MA's), (38, 23412), (53, 23478), (62, 23523), (69, 23559), (99, 23691), (140, 23727), (207, 23748), (220, 23805), (234, 23865), (247, 23919), (257, 23979), (280, 24099), (281, 24102), (301, 24171), (304, 24195), (317, 24288), (321, 24309), (331, 24354), (402, 24684), (426, 24753), (454, 24816), (519, 24987),

Gene: Colin_35 Start: 24479, Stop: 26257, Start Num: 19

Candidate Starts for Colin_35:

(Start: 19 @24479 has 5 MA's), (38, 24593), (40, 24602), (69, 24734), (217, 25001), (237, 25091), (239, 25109), (244, 25133), (281, 25334), (291, 25373), (308, 25463), (317, 25520), (329, 25574), (341, 25643), (364, 25760), (372, 25805), (374, 25823), (410, 25940), (418, 25961), (427, 25982), (458, 26054), (496, 26135), (505, 26165), (514, 26195), (524, 26240),

Gene: Commander_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Commander_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Connomayer_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Connomayer_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Conquerage_33 Start: 24407, Stop: 26173, Start Num: 18

Candidate Starts for Conquerage_33:

(Start: 18 @24407 has 27 MA's), (53, 24593), (71, 24683), (86, 24728), (88, 24737), (140, 24815), (183, 24839), (208, 24875), (237, 25004), (239, 25022), (281, 25247), (286, 25268), (291, 25286), (308, 25376), (317, 25433), (341, 25556), (365, 25679), (372, 25718), (388, 25775), (410, 25856), (418, 25877), (419, 25880), (458, 25970), (505, 26081), (524, 26156),

Gene: Croquant_34 Start: 23275, Stop: 25032, Start Num: 15

Candidate Starts for Croquant_34:

(Start: 15 @23275 has 86 MA's), (38, 23410), (53, 23476), (62, 23521), (69, 23557), (99, 23689), (140, 23725), (207, 23746), (220, 23803), (234, 23863), (247, 23917), (257, 23977), (280, 24097), (281, 24100), (301, 24169), (304, 24193), (317, 24286), (321, 24307), (331, 24352), (402, 24682), (426, 24751), (454, 24814), (519, 24985),

Gene: Crucio_31 Start: 22638, Stop: 24842, Start Num: 22

Candidate Starts for Crucio_31:

(Start: 22 @22638 has 60 MA's), (27, 22659), (41, 22764), (61, 22848), (67, 22884), (88, 22986), (91, 22998), (128, 23175), (155, 23310), (166, 23373), (237, 23664), (239, 23682), (244, 23706), (268,

23844), (281, 23907), (291, 23946), (308, 24036), (317, 24093), (330, 24153), (339, 24198), (342, 24219), (365, 24339), (368, 24363), (378, 24408), (400, 24480), (419, 24540), (498, 24711), (514, 24765), (518, 24792), (524, 24819),

Gene: Cullens_33 Start: 23276, Stop: 25033, Start Num: 15

Candidate Starts for Cullens_33:

(Start: 15 @23276 has 86 MA's), (38, 23411), (53, 23477), (62, 23522), (69, 23558), (99, 23690), (140, 23726), (207, 23747), (220, 23804), (234, 23864), (247, 23918), (257, 23978), (280, 24098), (281, 24101), (301, 24170), (304, 24194), (317, 24287), (321, 24308), (331, 24353), (402, 24683), (426, 24752), (454, 24815), (519, 24986),

Gene: D29_31 Start: 22559, Stop: 24412, Start Num: 22

Candidate Starts for D29_31:

(Start: 19 @22553 has 5 MA's), (Start: 22 @22559 has 60 MA's), (40, 22679), (61, 22769), (71, 22829), (82, 22880), (127, 22973), (141, 22997), (142, 23003), (287, 23510), (303, 23579), (316, 23666), (334, 23747), (462, 24191), (466, 24206), (490, 24260), (500, 24284), (502, 24293), (512, 24329),

Gene: D32_34 Start: 22559, Stop: 24412, Start Num: 22

Candidate Starts for D32_34:

(Start: 19 @22553 has 5 MA's), (Start: 22 @22559 has 60 MA's), (40, 22679), (61, 22769), (71, 22829), (82, 22880), (127, 22973), (141, 22997), (142, 23003), (287, 23510), (303, 23579), (316, 23666), (334, 23747), (462, 24191), (466, 24206), (490, 24260), (500, 24284), (502, 24293), (512, 24329),

Gene: DBQu4n_34 Start: 22559, Stop: 24412, Start Num: 22

Candidate Starts for DBQu4n_34:

(Start: 19 @22553 has 5 MA's), (Start: 22 @22559 has 60 MA's), (40, 22679), (61, 22769), (71, 22829), (82, 22880), (127, 22973), (141, 22997), (142, 23003), (287, 23510), (303, 23579), (316, 23666), (334, 23747), (349, 23813), (370, 23930), (445, 24149), (449, 24161), (462, 24191), (490, 24260), (500, 24284), (502, 24293), (512, 24329),

Gene: DaHudson_33 Start: 23269, Stop: 25026, Start Num: 15

Candidate Starts for DaHudson_33:

(Start: 15 @23269 has 86 MA's), (38, 23404), (53, 23470), (62, 23515), (69, 23551), (99, 23683), (140, 23719), (207, 23740), (220, 23797), (234, 23857), (247, 23911), (257, 23971), (280, 24091), (281, 24094), (301, 24163), (304, 24187), (317, 24280), (321, 24301), (331, 24346), (402, 24676), (426, 24745), (454, 24808), (519, 24979),

Gene: Daishi_32 Start: 22205, Stop: 23956, Start Num: 15

Candidate Starts for Daishi_32:

(Start: 15 @22205 has 86 MA's), (38, 22340), (53, 22406), (62, 22451), (69, 22487), (94, 22598), (99, 22619), (140, 22655), (207, 22676), (234, 22793), (261, 22931), (280, 23027), (281, 23030), (301, 23099), (304, 23123), (309, 23168), (317, 23216), (331, 23282), (361, 23453), (364, 23459), (373, 23510), (388, 23555), (397, 23585), (410, 23633), (426, 23675), (431, 23690), (434, 23693), (446, 23717), (497, 23819), (498, 23822), (505, 23846),

Gene: Dalmatian_31 Start: 22845, Stop: 25049, Start Num: 22

Candidate Starts for Dalmatian_31:

(Start: 22 @22845 has 60 MA's), (27, 22866), (61, 23055), (67, 23091), (88, 23193), (91, 23205), (117, 23316), (128, 23382), (155, 23517), (237, 23871), (244, 23913), (268, 24051), (281, 24114), (291, 24153), (308, 24243), (317, 24300), (330, 24360), (339, 24405), (342, 24426), (365, 24546), (368, 24570), (378, 24615), (400, 24687), (419, 24747), (498, 24918), (514, 24972), (518, 24999), (524, 25026),

Gene: Darrell_33 Start: 24371, Stop: 26137, Start Num: 18

Candidate Starts for Darrell_33:

(Start: 18 @24371 has 27 MA's), (53, 24557), (67, 24623), (71, 24647), (86, 24692), (88, 24701), (130, 24770), (140, 24779), (208, 24839), (218, 24881), (229, 24935), (237, 24968), (239, 24986), (244, 25010), (245, 25016), (275, 25184), (281, 25211), (291, 25250), (308, 25340), (317, 25397), (341, 25520), (350, 25559), (365, 25643), (372, 25682), (410, 25820), (418, 25841), (419, 25844), (424, 25856), (446, 25901), (496, 26015), (505, 26045), (524, 26120),

Gene: Datway_31 Start: 22981, Stop: 24840, Start Num: 16

Candidate Starts for Datway_31:

(12, 22921), (Start: 16 @22981 has 169 MA's), (31, 23047), (34, 23092), (36, 23098), (44, 23131), (48, 23149), (58, 23194), (60, 23200), (61, 23206), (77, 23299), (81, 23314), (99, 23386), (147, 23446), (204, 23497), (208, 23509), (226, 23587), (239, 23656), (259, 23779), (263, 23803), (277, 23884), (288, 23929), (292, 23938), (294, 23941), (314, 24070), (316, 24079), (324, 24121), (330, 24148), (337, 24184), (341, 24211), (344, 24223), (371, 24379), (422, 24553), (425, 24559), (446, 24604), (465, 24655), (467, 24658), (484, 24694), (500, 24730),

Gene: Deano_31 Start: 22968, Stop: 24824, Start Num: 16

Candidate Starts for Deano_31:

(Start: 16 @22968 has 169 MA's), (38, 23094), (44, 23118), (66, 23223), (67, 23229), (74, 23277), (77, 23286), (87, 23328), (99, 23373), (124, 23379), (204, 23484), (208, 23496), (226, 23574), (239, 23643), (277, 23871), (284, 23895), (285, 23898), (292, 23925), (294, 23928), (310, 24033), (316, 24063), (318, 24078), (337, 24168), (344, 24207), (355, 24252), (388, 24420), (422, 24537), (425, 24543), (446, 24588), (465, 24639), (467, 24642), (497, 24705), (500, 24714), (522, 24801),

Gene: DeerParkTS_33 Start: 23331, Stop: 25694, Start Num: 1

Candidate Starts for DeerParkTS_33:

(1, 23331), (2, 23352), (3, 23442), (4, 23451), (6, 23700), (30, 23949), (68, 24174), (125, 24318), (237, 24528), (239, 24546), (244, 24570), (281, 24771), (291, 24810), (305, 24867), (308, 24900), (317, 24957), (341, 25080), (348, 25110), (365, 25203), (372, 25242), (373, 25248), (388, 25296), (410, 25377), (427, 25419), (458, 25491), (496, 25572), (524, 25677), (529, 25686),

Gene: Deloris_32 Start: 23191, Stop: 25377, Start Num: 22

Candidate Starts for Deloris_32:

(Start: 22 @23191 has 60 MA's), (27, 23212), (38, 23302), (47, 23332), (61, 23395), (67, 23431), (76, 23485), (101, 23581), (103, 23611), (114, 23743), (128, 23833), (132, 23848), (155, 23968), (159, 24001), (162, 24010), (237, 24205), (239, 24223), (281, 24451), (291, 24490), (305, 24547), (308, 24580), (312, 24601), (317, 24637), (330, 24697), (339, 24742), (342, 24763), (344, 24772), (365, 24883), (368, 24907), (372, 24922), (373, 24928), (410, 25060), (455, 25162), (459, 25174), (476, 25213), (522, 25354), (525, 25363),

Gene: Dhanush_31 Start: 22963, Stop: 24819, Start Num: 16

Candidate Starts for Dhanush_31:

(Start: 16 @22963 has 169 MA's), (38, 23089), (44, 23113), (66, 23218), (67, 23224), (74, 23272), (77, 23281), (87, 23323), (99, 23368), (124, 23374), (204, 23479), (208, 23491), (226, 23569), (239, 23638), (277, 23866), (284, 23890), (285, 23893), (292, 23920), (294, 23923), (310, 24028), (316, 24058), (318, 24073), (337, 24163), (344, 24202), (355, 24247), (388, 24415), (422, 24532), (425, 24538), (446, 24583), (465, 24634), (467, 24637), (497, 24700), (500, 24709), (522, 24796),

Gene: Dieselweasel_33 Start: 23278, Stop: 25035, Start Num: 15

Candidate Starts for Dieselweasel_33:

(Start: 15 @23278 has 86 MA's), (38, 23413), (53, 23479), (62, 23524), (69, 23560), (99, 23692), (140, 23728), (207, 23749), (220, 23806), (234, 23866), (247, 23920), (257, 23980), (280, 24100), (281,

24103), (301, 24172), (304, 24196), (317, 24289), (321, 24310), (331, 24355), (402, 24685), (426, 24754), (454, 24817), (519, 24988),

Gene: Dignity_33 Start: 23212, Stop: 25416, Start Num: 21

Candidate Starts for Dignity_33:

(Start: 21 @23212 has 44 MA's), (38, 23326), (40, 23335), (41, 23341), (61, 23425), (88, 23563), (95, 23587), (103, 23641), (128, 23752), (155, 23887), (162, 23929), (174, 24001), (231, 24220), (237, 24241), (239, 24259), (244, 24283), (262, 24391), (281, 24484), (291, 24523), (308, 24613), (317, 24670), (318, 24673), (330, 24730), (331, 24736), (339, 24775), (342, 24796), (378, 24985), (389, 25012), (443, 25165), (453, 25189), (477, 25243), (480, 25246), (498, 25285), (500, 25291), (514, 25339),

Gene: DirtyDunning_31 Start: 22953, Stop: 24809, Start Num: 16

Candidate Starts for DirtyDunning_31:

(Start: 16 @22953 has 169 MA's), (38, 23079), (44, 23103), (66, 23208), (67, 23214), (74, 23262), (77, 23271), (87, 23313), (99, 23358), (124, 23364), (204, 23469), (208, 23481), (222, 23544), (226, 23559), (239, 23628), (266, 23796), (277, 23856), (285, 23883), (292, 23910), (294, 23913), (310, 24018), (314, 24039), (316, 24048), (337, 24153), (355, 24237), (368, 24336), (422, 24522), (425, 24528), (446, 24573), (465, 24624), (467, 24627), (497, 24690), (500, 24699), (522, 24786),

Gene: DontArgue_31 Start: 21656, Stop: 23866, Start Num: 16

Candidate Starts for DontArgue_31:

(Start: 16 @21656 has 169 MA's), (25, 21689), (52, 21839), (77, 21971), (95, 22040), (101, 22064), (102, 22085), (103, 22094), (105, 22118), (109, 22178), (118, 22241), (135, 22331), (159, 22466), (205, 22562), (212, 22592), (237, 22700), (238, 22709), (244, 22742), (246, 22751), (281, 22943), (286, 22964), (291, 22982), (305, 23039), (308, 23072), (317, 23129), (330, 23189), (339, 23234), (342, 23255), (343, 23258), (348, 23282), (359, 23348), (360, 23360), (368, 23399), (393, 23486), (419, 23573), (446, 23630), (453, 23648), (458, 23663), (476, 23702),

Gene: Drake55_33 Start: 23226, Stop: 25310, Start Num: 21

Candidate Starts for Drake55_33:

(Start: 21 @23226 has 44 MA's), (38, 23340), (41, 23355), (47, 23376), (63, 23454), (88, 23577), (103, 23655), (128, 23766), (133, 23787), (155, 23901), (160, 23937), (237, 24138), (239, 24156), (244, 24180), (261, 24279), (281, 24381), (291, 24420), (295, 24432), (308, 24510), (330, 24627), (331, 24633), (342, 24693), (360, 24798), (365, 24813), (400, 24954), (401, 24957), (418, 25008), (424, 25023), (435, 25047), (457, 25101), (465, 25125), (509, 25230), (525, 25296),

Gene: Drake94_31 Start: 21398, Stop: 23680, Start Num: 16

Candidate Starts for Drake94_31:

(Start: 16 @21398 has 169 MA's), (25, 21431), (36, 21515), (52, 21581), (77, 21713), (102, 21827), (103, 21836), (109, 21920), (120, 21995), (135, 22073), (152, 22148), (166, 22238), (202, 22364), (237, 22511), (239, 22529), (244, 22553), (281, 22754), (291, 22793), (308, 22883), (317, 22940), (329, 22994), (339, 23045), (342, 23066), (344, 23075), (348, 23093), (351, 23105), (368, 23210), (372, 23225), (373, 23231), (382, 23264), (410, 23363), (418, 23384), (419, 23387), (446, 23444), (453, 23462), (454, 23465), (458, 23477), (476, 23516), (496, 23558), (497, 23561), (524, 23663),

Gene: DreamTeam1_31 Start: 22328, Stop: 23986, Start Num: 21

Candidate Starts for DreamTeam1_31:

(Start: 21 @22328 has 44 MA's), (23, 22334), (48, 22484), (54, 22514), (65, 22565), (76, 22631), (89, 22679), (98, 22703), (181, 22778), (226, 22892), (278, 23183), (289, 23219), (309, 23339), (333, 23453), (363, 23612), (367, 23627), (379, 23681), (474, 23870),

Gene: DropBear_31 Start: 22899, Stop: 24758, Start Num: 115

Candidate Starts for DropBear_31:

(Start: 115 @22899 has 34 MA's), (135, 23025), (138, 23034), (152, 23100), (153, 23121), (161, 23163), (191, 23319), (197, 23367), (203, 23436), (205, 23442), (212, 23472), (237, 23580), (239, 23598), (244, 23622), (291, 23862), (308, 23952), (330, 24069), (351, 24174), (360, 24240), (365, 24255), (407, 24426), (454, 24531), (478, 24585), (498, 24624), (514, 24678), (517, 24705), (522, 24729),

Gene: Druantia_31 Start: 22961, Stop: 24817, Start Num: 16

Candidate Starts for Druantia_31:

(Start: 16 @22961 has 169 MA's), (38, 23087), (44, 23111), (66, 23216), (67, 23222), (74, 23270), (77, 23279), (87, 23321), (99, 23366), (124, 23372), (204, 23477), (208, 23489), (226, 23567), (239, 23636), (277, 23864), (284, 23888), (285, 23891), (292, 23918), (294, 23921), (310, 24026), (316, 24056), (318, 24071), (337, 24161), (344, 24200), (355, 24245), (388, 24413), (422, 24530), (425, 24536), (446, 24581), (465, 24632), (467, 24635), (497, 24698), (500, 24707), (522, 24794),

Gene: DudeLittle_31 Start: 22847, Stop: 25045, Start Num: 22

Candidate Starts for DudeLittle_31:

(Start: 22 @22847 has 60 MA's), (27, 22868), (41, 22973), (61, 23057), (67, 23093), (88, 23195), (91, 23207), (117, 23318), (128, 23384), (155, 23519), (160, 23555), (166, 23582), (217, 23780), (237, 23867), (239, 23885), (244, 23909), (250, 23939), (281, 24110), (295, 24161), (308, 24239), (317, 24296), (339, 24401), (342, 24422), (345, 24434), (360, 24527), (365, 24542), (378, 24611), (389, 24638), (442, 24791), (453, 24815), (514, 24968), (520, 25007),

Gene: Duplo_34 Start: 22597, Stop: 24450, Start Num: 22

Candidate Starts for Duplo_34:

(Start: 19 @22591 has 5 MA's), (Start: 22 @22597 has 60 MA's), (40, 22717), (61, 22807), (71, 22867), (82, 22918), (127, 23011), (141, 23035), (142, 23041), (287, 23548), (303, 23617), (316, 23704), (334, 23785), (370, 23968), (445, 24187), (449, 24199), (462, 24229), (490, 24298), (500, 24322), (502, 24331), (512, 24367),

Gene: DustyMartin_37 Start: 23534, Stop: 25366, Start Num: 16

Candidate Starts for DustyMartin_37:

(Start: 16 @23534 has 169 MA's), (25, 23567), (52, 23717), (58, 23744), (95, 23918), (100, 23939), (101, 23942), (237, 24203), (239, 24221), (291, 24482), (305, 24539), (308, 24572), (329, 24683), (341, 24752), (359, 24848), (360, 24860), (365, 24875), (368, 24899), (372, 24914), (373, 24920), (378, 24944), (393, 24986), (404, 25031), (410, 25049), (419, 25073), (453, 25148), (458, 25163), (463, 25172), (476, 25202), (496, 25244), (524, 25349), (525, 25352),

Gene: EZMoney23_35 Start: 24766, Stop: 26544, Start Num: 22

Candidate Starts for EZMoney23_35:

(Start: 22 @24766 has 60 MA's), (27, 24787), (38, 24877), (40, 24886), (61, 24970), (71, 25030), (140, 25186), (217, 25285), (237, 25375), (239, 25393), (244, 25417), (281, 25618), (291, 25657), (308, 25747), (317, 25804), (365, 26050), (372, 26089), (388, 26146), (410, 26227), (418, 26248), (458, 26341), (496, 26422),

Gene: Eagle_30 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Eagle_30:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (87, 23320), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (266, 23803), (271, 23833), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (344, 24199), (355, 24244), (385, 24406), (422, 24529), (446, 24580), (497, 24697), (500, 24706), (522, 24793),

Gene: Eaglepride_34 Start: 23450, Stop: 25285, Start Num: 16

Candidate Starts for Eaglepride_34:

(Start: 16 @23450 has 169 MA's), (25, 23483), (26, 23486), (58, 23660), (69, 23720), (101, 23858), (102, 23879), (104, 23906), (205, 23981), (207, 23987), (218, 24032), (233, 24104), (237, 24119), (239, 24137), (286, 24383), (291, 24401), (305, 24458), (308, 24491), (312, 24512), (317, 24548), (329, 24602), (339, 24653), (342, 24674), (359, 24767), (365, 24794), (368, 24818), (372, 24833), (373, 24839), (410, 24968), (418, 24989), (419, 24992), (453, 25067), (458, 25082), (463, 25091), (476, 25121), (496, 25163), (505, 25193), (514, 25223), (524, 25268),

Gene: Eapen_31 Start: 22959, Stop: 24815, Start Num: 16

Candidate Starts for Eapen_31:

(Start: 16 @22959 has 169 MA's), (38, 23085), (44, 23109), (66, 23214), (67, 23220), (74, 23268), (87, 23319), (99, 23364), (124, 23370), (204, 23475), (208, 23487), (226, 23565), (239, 23634), (277, 23862), (284, 23886), (285, 23889), (292, 23916), (294, 23919), (310, 24024), (316, 24054), (318, 24069), (337, 24159), (344, 24198), (355, 24243), (388, 24411), (422, 24528), (425, 24534), (446, 24579), (465, 24630), (467, 24633), (497, 24696), (500, 24705), (522, 24792),

Gene: Echild_31 Start: 22854, Stop: 25181, Start Num: 21

Candidate Starts for Echild_31:

(Start: 21 @22854 has 44 MA's), (27, 22878), (40, 22977), (41, 22983), (48, 23010), (61, 23067), (67, 23103), (76, 23157), (83, 23184), (88, 23205), (95, 23229), (103, 23283), (128, 23394), (155, 23529), (159, 23562), (192, 23748), (237, 24000), (239, 24018), (244, 24042), (281, 24243), (291, 24282), (308, 24372), (317, 24429), (330, 24489), (339, 24534), (342, 24555), (365, 24675), (368, 24699), (378, 24744), (389, 24777), (444, 24933), (496, 25044), (514, 25104), (524, 25158), (529, 25167),

Gene: Edison31_33 Start: 23483, Stop: 25318, Start Num: 16

Candidate Starts for Edison31_33:

(Start: 16 @23483 has 169 MA's), (25, 23516), (58, 23693), (99, 23885), (101, 23891), (102, 23912), (104, 23939), (229, 24119), (237, 24152), (239, 24170), (244, 24194), (262, 24302), (275, 24368), (291, 24434), (305, 24491), (308, 24524), (317, 24581), (329, 24635), (332, 24650), (341, 24704), (360, 24812), (365, 24827), (368, 24851), (372, 24866), (404, 24983), (410, 25001), (418, 25022), (419, 25025), (453, 25100), (458, 25115), (496, 25196), (505, 25226), (514, 25256), (524, 25301), (525, 25304),

Gene: EdogawaKiddo_31 Start: 24389, Stop: 26143, Start Num: 23

Candidate Starts for EdogawaKiddo_31:

(Start: 18 @24377 has 27 MA's), (23, 24389), (53, 24563), (71, 24653), (86, 24698), (88, 24707), (140, 24785), (183, 24809), (208, 24845), (237, 24974), (239, 24992), (261, 25115), (281, 25217), (286, 25238), (291, 25256), (308, 25346), (317, 25403), (341, 25526), (365, 25649), (372, 25688), (388, 25745), (410, 25826), (418, 25847), (419, 25850), (453, 25925), (458, 25940), (505, 26051), (524, 26126),

Gene: Eidsmoe_33 Start: 24443, Stop: 26209, Start Num: 18

Candidate Starts for Eidsmoe_33:

(Start: 18 @24443 has 27 MA's), (53, 24629), (71, 24719), (86, 24764), (88, 24773), (140, 24851), (183, 24875), (208, 24911), (237, 25040), (239, 25058), (281, 25283), (286, 25304), (291, 25322), (308, 25412), (317, 25469), (341, 25592), (365, 25715), (372, 25754), (388, 25811), (410, 25892), (418, 25913), (419, 25916), (458, 26006), (505, 26117), (524, 26192),

Gene: Elephantoon_32 Start: 23816, Stop: 25582, Start Num: 18

Candidate Starts for Elephantoon_32:

(Start: 18 @23816 has 27 MA's), (53, 24002), (71, 24092), (86, 24137), (88, 24146), (130, 24215), (140, 24224), (183, 24248), (208, 24284), (218, 24326), (229, 24380), (237, 24413), (239, 24431),

(244, 24455), (245, 24461), (275, 24629), (281, 24656), (291, 24695), (308, 24785), (317, 24842), (331, 24908), (341, 24965), (350, 25004), (365, 25088), (372, 25127), (410, 25265), (418, 25286), (419, 25289), (458, 25379), (496, 25460), (524, 25565),

Gene: EmyBug_33 Start: 24443, Stop: 26209, Start Num: 18

Candidate Starts for EmyBug_33:

(Start: 18 @24443 has 27 MA's), (53, 24629), (71, 24719), (86, 24764), (88, 24773), (140, 24851), (183, 24875), (208, 24911), (237, 25040), (239, 25058), (281, 25283), (286, 25304), (291, 25322), (308, 25412), (317, 25469), (341, 25592), (365, 25715), (372, 25754), (388, 25811), (410, 25892), (418, 25913), (419, 25916), (458, 26006), (505, 26117), (524, 26192),

Gene: EpicPhail_33 Start: 23277, Stop: 25034, Start Num: 15

Candidate Starts for EpicPhail_33:

(Start: 15 @23277 has 86 MA's), (38, 23412), (53, 23478), (62, 23523), (69, 23559), (99, 23691), (140, 23727), (207, 23748), (220, 23805), (234, 23865), (247, 23919), (257, 23979), (280, 24099), (281, 24102), (301, 24171), (304, 24195), (317, 24288), (321, 24309), (331, 24354), (402, 24684), (426, 24753), (454, 24816), (519, 24987),

Gene: Equemioh13_33 Start: 23218, Stop: 25425, Start Num: 21

Candidate Starts for Equemioh13_33:

(Start: 21 @23218 has 44 MA's), (38, 23332), (40, 23341), (41, 23347), (47, 23368), (69, 23479), (88, 23569), (91, 23581), (128, 23758), (137, 23797), (155, 23893), (217, 24154), (237, 24244), (242, 24274), (244, 24286), (280, 24484), (308, 24625), (312, 24646), (329, 24736), (330, 24742), (331, 24748), (339, 24787), (342, 24808), (350, 24844), (351, 24847), (360, 24913), (365, 24928), (366, 24931), (368, 24952), (374, 24985), (419, 25129), (442, 25177), (472, 25240), (500, 25300), (514, 25348), (524, 25402),

Gene: Eris_30 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Eris_30:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Eros_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Eros_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: EtoileNova_32 Start: 23377, Stop: 25236, Start Num: 115

Candidate Starts for EtoileNova_32:

(Start: 115 @23377 has 34 MA's), (139, 23521), (143, 23539), (152, 23578), (153, 23599), (161, 23641), (165, 23659), (194, 23818), (197, 23845), (212, 23950), (218, 23971), (237, 24058), (244, 24100), (291, 24340), (308, 24430), (317, 24487), (351, 24652), (359, 24706), (360, 24718), (365, 24733), (398, 24862), (400, 24874), (419, 24934), (424, 24946), (447, 24991), (454, 25009), (514, 25156), (517, 25183), (524, 25213),

Gene: Eurydice_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for Eurydice_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (351, 24223), (355, 24241), (368, 24340), (422, 24526), (446, 24577), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: EvilGenius_33 Start: 23186, Stop: 25663, Start Num: 22

Candidate Starts for EvilGenius_33:

(Start: 22 @23186 has 60 MA's), (27, 23207), (38, 23297), (61, 23396), (69, 23444), (72, 23465), (91, 23576), (119, 23822), (121, 23849), (126, 23864), (142, 23939), (168, 24080), (178, 24152), (196, 24254), (231, 24464), (244, 24527), (263, 24638), (264, 24641), (274, 24698), (290, 24764), (291, 24767), (295, 24779), (303, 24821), (308, 24863), (317, 24920), (339, 25025), (342, 25046), (351, 25085), (378, 25235), (381, 25241), (398, 25295), (400, 25307), (403, 25316), (407, 25337), (438, 25406), (483, 25505), (497, 25532), (498, 25535), (514, 25589), (517, 25616),

Gene: ExplosioNervosa_33 Start: 24446, Stop: 26212, Start Num: 18

Candidate Starts for ExplosioNervosa_33:

(Start: 18 @24446 has 27 MA's), (53, 24632), (71, 24722), (86, 24767), (88, 24776), (140, 24854), (183, 24878), (208, 24914), (237, 25043), (239, 25061), (281, 25286), (286, 25307), (291, 25325), (308, 25415), (317, 25472), (341, 25595), (365, 25718), (372, 25757), (388, 25814), (410, 25895), (418, 25916), (419, 25919), (458, 26009), (505, 26120), (524, 26195),

Gene: Fameo_31 Start: 22816, Stop: 25014, Start Num: 22

Candidate Starts for Fameo_31:

(Start: 22 @22816 has 60 MA's), (27, 22837), (40, 22936), (61, 23026), (67, 23062), (88, 23164), (91, 23176), (128, 23353), (155, 23488), (177, 23629), (237, 23842), (239, 23860), (244, 23884), (281, 24085), (308, 24214), (317, 24271), (330, 24331), (339, 24376), (342, 24397), (365, 24517), (388, 24607), (389, 24610), (419, 24715), (429, 24739), (446, 24769), (447, 24772), (514, 24937), (524, 24991),

Gene: Farber_33 Start: 23270, Stop: 25027, Start Num: 15

Candidate Starts for Farber_33:

(Start: 15 @23270 has 86 MA's), (38, 23405), (53, 23471), (62, 23516), (69, 23552), (99, 23684), (140, 23720), (207, 23741), (220, 23798), (234, 23858), (247, 23912), (257, 23972), (280, 24092), (281, 24095), (301, 24164), (304, 24188), (317, 24281), (321, 24302), (331, 24347), (402, 24677), (426, 24746), (454, 24809), (519, 24980),

Gene: Fayely_33 Start: 24410, Stop: 26176, Start Num: 18

Candidate Starts for Fayely_33:

(Start: 18 @24410 has 27 MA's), (23, 24422), (53, 24596), (71, 24686), (86, 24731), (88, 24740), (140, 24818), (183, 24842), (208, 24878), (237, 25007), (239, 25025), (281, 25250), (286, 25271), (291, 25289), (308, 25379), (317, 25436), (341, 25559), (365, 25682), (372, 25721), (388, 25778), (410, 25859), (418, 25880), (419, 25883), (458, 25973), (505, 26084), (524, 26159),

Gene: Fernando_33 Start: 23276, Stop: 25033, Start Num: 15

Candidate Starts for Fernando_33:

(Start: 15 @23276 has 86 MA's), (38, 23411), (53, 23477), (62, 23522), (69, 23558), (99, 23690), (140, 23726), (207, 23747), (220, 23804), (234, 23864), (247, 23918), (257, 23978), (280, 24098), (281, 24101), (301, 24170), (304, 24194), (317, 24287), (321, 24308), (331, 24353), (402, 24683), (426, 24752), (454, 24815), (519, 24986),

Gene: FiringLine_31 Start: 22638, Stop: 24839, Start Num: 22

Candidate Starts for FiringLine_31:

(Start: 22 @22638 has 60 MA's), (27, 22659), (40, 22758), (41, 22764), (48, 22791), (49, 22794), (61, 22848), (67, 22884), (88, 22986), (128, 23175), (154, 23307), (155, 23310), (237, 23664), (239, 23682), (244, 23706), (281, 23907), (291, 23946), (308, 24036), (317, 24093), (330, 24153), (339, 24198), (342, 24219), (360, 24324), (365, 24339), (368, 24363), (378, 24408), (389, 24435), (400, 24480), (429, 24564), (500, 24714), (514, 24762), (516, 24786),

Gene: First_0031 Start: 22858, Stop: 25263, Start Num: 22

Candidate Starts for First_0031:

(Start: 22 @22858 has 60 MA's), (27, 22879), (38, 22969), (40, 22978), (47, 22999), (61, 23062), (67, 23098), (83, 23179), (101, 23248), (102, 23269), (103, 23278), (114, 23410), (128, 23500), (132, 23515), (155, 23635), (159, 23668), (162, 23677), (177, 23776), (182, 23803), (217, 24016), (237, 24106), (239, 24124), (244, 24148), (281, 24349), (291, 24388), (296, 24409), (305, 24445), (308, 24478), (312, 24499), (317, 24535), (329, 24589), (339, 24640), (342, 24661), (360, 24766), (365, 24781), (410, 24949), (427, 24991), (459, 25060), (520, 25231), (522, 25240), (524, 25246),

Gene: Flare16_31 Start: 22776, Stop: 24998, Start Num: 21

Candidate Starts for Flare16_31:

(Start: 21 @22776 has 44 MA's), (38, 22890), (41, 22905), (69, 23037), (95, 23151), (100, 23172), (103, 23205), (128, 23316), (137, 23355), (155, 23451), (172, 23553), (237, 23802), (242, 23832), (244, 23844), (274, 24015), (291, 24084), (308, 24183), (329, 24294), (330, 24300), (331, 24306), (339, 24345), (350, 24402), (351, 24405), (360, 24471), (378, 24555), (400, 24627), (442, 24747), (494, 24858), (511, 24909), (514, 24921),

Gene: Florean_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for Florean_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: Flux_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Flux_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: ForesterFrank_33 Start: 24779, Stop: 26557, Start Num: 22

Candidate Starts for ForesterFrank_33:

(Start: 22 @24779 has 60 MA's), (38, 24890), (40, 24899), (61, 24986), (69, 25034), (71, 25046), (95, 25148), (140, 25202), (182, 25223), (187, 25235), (217, 25301), (237, 25391), (239, 25409), (244, 25433), (262, 25541), (267, 25568), (270, 25577), (291, 25673), (305, 25730), (329, 25874), (341, 25943), (365, 26066), (372, 26105), (410, 26240), (418, 26261), (427, 26282), (458, 26354), (496, 26435), (514, 26495), (520, 26525), (524, 26540),

Gene: Fred313_31 Start: 22584, Stop: 24443, Start Num: 115

Candidate Starts for Fred313_31:

(Start: 115 @22584 has 34 MA's), (135, 22710), (138, 22719), (152, 22785), (153, 22806), (161, 22848), (191, 23004), (197, 23052), (203, 23121), (205, 23127), (212, 23157), (237, 23265), (239, 23283), (244, 23307), (291, 23547), (308, 23637), (330, 23754), (351, 23859), (360, 23925), (365, 23940), (407, 24111), (454, 24216), (478, 24270), (498, 24309), (514, 24363), (517, 24390), (522,

24414),

Gene: Funston_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Funston_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Gadost_31 Start: 22964, Stop: 24820, Start Num: 16

Candidate Starts for Gadost_31:

(Start: 16 @22964 has 169 MA's), (38, 23090), (44, 23114), (66, 23219), (67, 23225), (74, 23273), (77, 23282), (87, 23324), (99, 23369), (124, 23375), (204, 23480), (208, 23492), (226, 23570), (239, 23639), (277, 23867), (284, 23891), (285, 23894), (292, 23921), (294, 23924), (310, 24029), (314, 24050), (316, 24059), (337, 24164), (344, 24203), (355, 24248), (385, 24410), (388, 24416), (422, 24533), (425, 24539), (446, 24584), (465, 24635), (467, 24638), (497, 24701), (500, 24710), (522, 24797),

Gene: Gail_31 Start: 22024, Stop: 24468, Start Num: 22

Candidate Starts for Gail_31:

(Start: 22 @22024 has 60 MA's), (62, 22237), (74, 22294), (80, 22315), (129, 22669), (147, 22747), (167, 22870), (168, 22873), (176, 22930), (178, 22936), (180, 22954), (186, 22981), (195, 23035), (196, 23038), (231, 23272), (238, 23302), (239, 23311), (262, 23443), (274, 23506), (279, 23533), (290, 23572), (308, 23674), (321, 23752), (330, 23791), (339, 23836), (341, 23854), (351, 23896), (360, 23962), (365, 23977), (372, 24016), (373, 24022), (426, 24193), (438, 24214), (451, 24241), (503, 24358), (513, 24388),

Gene: GaugeLDP_33 Start: 24026, Stop: 25807, Start Num: 22

Candidate Starts for GaugeLDP_33:

(Start: 22 @24026 has 60 MA's), (27, 24047), (38, 24137), (40, 24146), (41, 24152), (69, 24284), (71, 24296), (83, 24353), (87, 24371), (187, 24485), (217, 24551), (237, 24641), (239, 24659), (244, 24683), (281, 24884), (291, 24923), (308, 25013), (312, 25034), (329, 25124), (339, 25175), (342, 25196), (368, 25340), (372, 25355), (380, 25385), (410, 25490), (418, 25511), (458, 25604), (476, 25643), (496, 25685), (505, 25715), (524, 25790),

Gene: Gemma_33 Start: 23357, Stop: 25165, Start Num: 15

Candidate Starts for Gemma_33:

(Start: 15 @23357 has 86 MA's), (38, 23492), (53, 23558), (62, 23603), (69, 23639), (88, 23729), (95, 23753), (130, 23798), (182, 23828), (237, 23996), (239, 24014), (244, 24038), (272, 24200), (281, 24239), (291, 24278), (308, 24368), (339, 24530), (342, 24551), (358, 24638), (368, 24695), (372, 24710), (391, 24773), (410, 24848), (418, 24869), (458, 24962), (476, 25001), (496, 25043), (522, 25142),

Gene: Georgie2_32 Start: 22683, Stop: 24884, Start Num: 22

Candidate Starts for Georgie2_32:

(Start: 22 @22683 has 60 MA's), (27, 22704), (40, 22803), (41, 22809), (48, 22836), (49, 22839), (61, 22893), (67, 22929), (88, 23031), (128, 23220), (154, 23352), (155, 23355), (237, 23709), (239, 23727), (244, 23751), (281, 23952), (291, 23991), (308, 24081), (317, 24138), (330, 24198), (339, 24243), (342, 24264), (360, 24369), (365, 24384), (368, 24408), (378, 24453), (389, 24480), (400, 24525), (419, 24585), (429, 24609), (500, 24759), (514, 24807), (516, 24831),

Gene: GingkoMaracino_33 Start: 23163, Stop: 24920, Start Num: 15

Candidate Starts for GingkoMaracino_33:

(Start: 15 @23163 has 86 MA's), (38, 23298), (53, 23364), (62, 23409), (69, 23445), (99, 23577), (140, 23613), (207, 23634), (220, 23691), (234, 23751), (247, 23805), (257, 23865), (280, 23985), (281, 23988), (301, 24057), (304, 24081), (317, 24174), (321, 24195), (331, 24240), (402, 24570), (426, 24639), (454, 24702), (519, 24873),

Gene: Giroux_32 Start: 22838, Stop: 24697, Start Num: 115

Candidate Starts for Giroux_32:

(Start: 115 @22838 has 34 MA's), (139, 22982), (142, 22997), (152, 23039), (173, 23162), (180, 23210), (189, 23252), (191, 23258), (194, 23279), (237, 23519), (242, 23549), (251, 23597), (272, 23723), (281, 23762), (291, 23801), (305, 23858), (308, 23891), (339, 24053), (340, 24056), (351, 24113), (360, 24179), (365, 24194), (419, 24395), (476, 24521), (478, 24524), (511, 24605), (514, 24617), (517, 24644), (524, 24674),

Gene: Goose_32 Start: 23270, Stop: 25105, Start Num: 16

Candidate Starts for Goose_32:

(Start: 16 @23270 has 169 MA's), (25, 23303), (29, 23318), (88, 23630), (95, 23654), (99, 23672), (100, 23675), (101, 23678), (102, 23699), (104, 23726), (237, 23939), (239, 23957), (244, 23981), (267, 24116), (270, 24125), (291, 24221), (305, 24278), (308, 24311), (329, 24422), (341, 24491), (360, 24599), (365, 24614), (372, 24653), (373, 24659), (393, 24725), (410, 24788), (418, 24809), (419, 24812), (422, 24818), (427, 24830), (453, 24887), (458, 24902), (463, 24911), (471, 24926), (496, 24983), (514, 25043), (524, 25088), (525, 25091),

Gene: Goose1D_31 Start: 22094, Stop: 23953, Start Num: 115

Candidate Starts for Goose1D_31:

(Start: 115 @22094 has 34 MA's), (135, 22220), (138, 22229), (152, 22295), (153, 22316), (161, 22358), (191, 22514), (197, 22562), (203, 22631), (205, 22637), (212, 22667), (237, 22775), (239, 22793), (244, 22817), (291, 23057), (308, 23147), (330, 23264), (351, 23369), (360, 23435), (365, 23450), (372, 23489), (407, 23621), (454, 23726), (478, 23780), (498, 23819), (514, 23873), (517, 23900), (522, 23924),

Gene: Goose1X_31 Start: 22166, Stop: 24034, Start Num: 115

Candidate Starts for Goose1X_31:

(Start: 115 @22166 has 34 MA's), (135, 22292), (138, 22301), (152, 22367), (153, 22388), (161, 22430), (191, 22595), (197, 22643), (203, 22712), (205, 22718), (212, 22748), (237, 22856), (239, 22874), (244, 22898), (291, 23138), (308, 23228), (330, 23345), (351, 23450), (360, 23516), (365, 23531), (372, 23570), (407, 23702), (454, 23807), (478, 23861), (498, 23900), (514, 23954), (517, 23981), (522, 24005),

Gene: Gratitude_32 Start: 23218, Stop: 25425, Start Num: 21

Candidate Starts for Gratitude_32:

(Start: 21 @23218 has 44 MA's), (38, 23332), (40, 23341), (41, 23347), (47, 23368), (69, 23479), (88, 23569), (91, 23581), (128, 23758), (137, 23797), (155, 23893), (217, 24154), (237, 24244), (242, 24274), (244, 24286), (280, 24484), (308, 24625), (312, 24646), (329, 24736), (330, 24742), (331, 24748), (339, 24787), (342, 24808), (350, 24844), (351, 24847), (360, 24913), (365, 24928), (366, 24931), (368, 24952), (374, 24985), (419, 25129), (442, 25177), (472, 25240), (500, 25300), (514, 25348), (524, 25402),

Gene: Grif_33 Start: 23360, Stop: 25111, Start Num: 15

Candidate Starts for Grif_33:

(Start: 15 @23360 has 86 MA's), (38, 23495), (53, 23561), (62, 23606), (69, 23642), (84, 23714), (88, 23732), (140, 23810), (207, 23831), (234, 23948), (261, 24086), (280, 24182), (281, 24185), (301, 24254), (304, 24278), (309, 24323), (317, 24371), (331, 24437), (361, 24608), (364, 24614), (373,

24665), (388, 24710), (410, 24788), (426, 24830), (446, 24872), (497, 24974), (498, 24977), (505, 25001),

Gene: Groupthink_34 Start: 23361, Stop: 25169, Start Num: 15

Candidate Starts for Groupthink_34:

(Start: 15 @23361 has 86 MA's), (38, 23496), (53, 23562), (62, 23607), (69, 23643), (88, 23733), (95, 23757), (130, 23802), (182, 23832), (237, 24000), (239, 24018), (244, 24042), (272, 24204), (281, 24243), (291, 24282), (308, 24372), (339, 24534), (342, 24555), (358, 24642), (368, 24699), (372, 24714), (391, 24777), (410, 24852), (418, 24873), (458, 24966), (476, 25005), (496, 25047), (522, 25146),

Gene: Grub_33 Start: 23269, Stop: 25026, Start Num: 15

Candidate Starts for Grub_33:

(Start: 15 @23269 has 86 MA's), (38, 23404), (53, 23470), (62, 23515), (69, 23551), (99, 23683), (140, 23719), (207, 23740), (220, 23797), (234, 23857), (247, 23911), (257, 23971), (280, 24091), (281, 24094), (301, 24163), (304, 24187), (317, 24280), (321, 24301), (331, 24346), (402, 24676), (426, 24745), (454, 24808), (519, 24979),

Gene: Grum1_33 Start: 23276, Stop: 25033, Start Num: 15

Candidate Starts for Grum1_33:

(Start: 15 @23276 has 86 MA's), (38, 23411), (53, 23477), (62, 23522), (69, 23558), (99, 23690), (140, 23726), (207, 23747), (220, 23804), (234, 23864), (247, 23918), (257, 23978), (280, 24098), (281, 24101), (301, 24170), (304, 24194), (317, 24287), (321, 24308), (331, 24353), (402, 24683), (426, 24752), (454, 24815), (519, 24986),

Gene: GtownJaz_33 Start: 23278, Stop: 25035, Start Num: 15

Candidate Starts for GtownJaz_33:

(Start: 15 @23278 has 86 MA's), (38, 23413), (53, 23479), (62, 23524), (69, 23560), (99, 23692), (140, 23728), (207, 23749), (220, 23806), (234, 23866), (247, 23920), (257, 23980), (280, 24100), (281, 24103), (301, 24172), (304, 24196), (317, 24289), (321, 24310), (331, 24355), (402, 24685), (426, 24754), (454, 24817), (519, 24988),

Gene: Gwennie_33 Start: 23277, Stop: 25034, Start Num: 15

Candidate Starts for Gwennie_33:

(Start: 15 @23277 has 86 MA's), (38, 23412), (53, 23478), (62, 23523), (69, 23559), (99, 23691), (140, 23727), (207, 23748), (220, 23805), (234, 23865), (247, 23919), (257, 23979), (280, 24099), (281, 24102), (301, 24171), (304, 24195), (317, 24288), (321, 24309), (331, 24354), (402, 24684), (426, 24753), (454, 24816), (519, 24987),

Gene: HamSlice_30 Start: 22958, Stop: 24814, Start Num: 16

Candidate Starts for HamSlice_30:

(Start: 16 @22958 has 169 MA's), (38, 23084), (44, 23108), (66, 23213), (67, 23219), (74, 23267), (87, 23318), (99, 23363), (124, 23369), (204, 23474), (208, 23486), (226, 23564), (239, 23633), (277, 23861), (284, 23885), (285, 23888), (292, 23915), (294, 23918), (310, 24023), (316, 24053), (318, 24068), (337, 24158), (344, 24197), (355, 24242), (388, 24410), (422, 24527), (425, 24533), (446, 24578), (465, 24629), (467, 24632), (497, 24695), (500, 24704), (522, 24791),

Gene: Hanray_32 Start: 24381, Stop: 26147, Start Num: 18

Candidate Starts for Hanray_32:

(Start: 18 @24381 has 27 MA's), (23, 24393), (53, 24567), (71, 24657), (86, 24702), (88, 24711), (140, 24789), (183, 24813), (208, 24849), (237, 24978), (239, 24996), (281, 25221), (286, 25242), (291, 25260), (308, 25350), (317, 25407), (341, 25530), (365, 25653), (372, 25692), (388, 25749), (410, 25830), (418, 25851), (419, 25854), (453, 25929), (458, 25944), (505, 26055), (524, 26130),

Gene: Happiness_31 Start: 22966, Stop: 24822, Start Num: 16

Candidate Starts for Happiness_31:

(Start: 16 @22966 has 169 MA's), (38, 23092), (44, 23116), (61, 23191), (66, 23221), (74, 23275), (77, 23284), (87, 23326), (124, 23377), (204, 23482), (208, 23494), (226, 23572), (239, 23641), (266, 23809), (271, 23839), (277, 23869), (284, 23893), (285, 23896), (292, 23923), (294, 23926), (310, 24031), (314, 24052), (316, 24061), (337, 24166), (344, 24205), (355, 24250), (385, 24412), (422, 24535), (446, 24586), (465, 24637), (467, 24640), (497, 24703), (500, 24712), (522, 24799),

Gene: HarryHoudini_33 Start: 23229, Stop: 25313, Start Num: 21

Candidate Starts for HarryHoudini_33:

(Start: 21 @23229 has 44 MA's), (38, 23343), (41, 23358), (88, 23580), (91, 23592), (128, 23769), (155, 23904), (160, 23940), (237, 24141), (239, 24159), (244, 24183), (281, 24384), (291, 24423), (295, 24435), (308, 24513), (317, 24570), (330, 24630), (331, 24636), (342, 24696), (360, 24801), (365, 24816), (369, 24843), (400, 24957), (401, 24960), (418, 25011), (422, 25020), (424, 25026), (435, 25050), (457, 25104), (465, 25128), (509, 25233), (525, 25299),

Gene: HashRod_34 Start: 23364, Stop: 25115, Start Num: 15

Candidate Starts for HashRod_34:

(Start: 15 @23364 has 86 MA's), (38, 23499), (53, 23565), (62, 23610), (69, 23646), (94, 23757), (99, 23778), (140, 23814), (207, 23835), (234, 23952), (261, 24090), (280, 24186), (281, 24189), (301, 24258), (304, 24282), (309, 24327), (317, 24375), (331, 24441), (361, 24612), (364, 24618), (373, 24669), (388, 24714), (397, 24744), (410, 24792), (426, 24834), (431, 24849), (434, 24852), (446, 24876), (497, 24978), (498, 24981), (505, 25005),

Gene: HaveUMetTed_34 Start: 23354, Stop: 25162, Start Num: 15

Candidate Starts for HaveUMetTed_34:

(Start: 15 @23354 has 86 MA's), (38, 23489), (53, 23555), (62, 23600), (63, 23603), (95, 23750), (130, 23795), (182, 23825), (237, 23993), (239, 24011), (244, 24035), (272, 24197), (281, 24236), (291, 24275), (308, 24365), (339, 24527), (342, 24548), (358, 24635), (368, 24692), (372, 24707), (391, 24770), (410, 24845), (418, 24866), (458, 24959), (476, 24998), (496, 25040), (522, 25139),

Gene: Heathen_31 Start: 22640, Stop: 24499, Start Num: 115

Candidate Starts for Heathen_31:

(Start: 115 @22640 has 34 MA's), (135, 22766), (138, 22775), (152, 22841), (153, 22862), (161, 22904), (191, 23060), (197, 23108), (203, 23177), (205, 23183), (212, 23213), (237, 23321), (239, 23339), (244, 23363), (291, 23603), (308, 23693), (330, 23810), (351, 23915), (360, 23981), (365, 23996), (407, 24167), (454, 24272), (478, 24326), (498, 24365), (514, 24419), (517, 24446), (522, 24470),

Gene: Heffalump_33 Start: 24558, Stop: 26342, Start Num: 22

Candidate Starts for Heffalump_33:

(Start: 22 @24558 has 60 MA's), (27, 24579), (40, 24678), (48, 24711), (61, 24768), (67, 24804), (217, 25083), (218, 25086), (237, 25173), (239, 25191), (244, 25215), (261, 25314), (272, 25377), (281, 25416), (291, 25455), (308, 25545), (313, 25575), (318, 25605), (323, 25629), (339, 25707), (342, 25728), (368, 25872), (372, 25887), (410, 26025), (418, 26046), (458, 26139), (476, 26178), (482, 26187), (496, 26220), (505, 26250), (514, 26280), (522, 26319),

Gene: HelDan_31 Start: 22892, Stop: 24751, Start Num: 115

Candidate Starts for HelDan_31:

(Start: 115 @22892 has 34 MA's), (135, 23018), (138, 23027), (152, 23093), (153, 23114), (161, 23156), (191, 23312), (197, 23360), (203, 23429), (205, 23435), (212, 23465), (237, 23573), (239, 23591), (244, 23615), (291, 23855), (308, 23945), (330, 24062), (351, 24167), (360, 24233), (365,

24248), (407, 24419), (454, 24524), (478, 24578), (498, 24617), (514, 24671), (517, 24698), (522, 24722),

Gene: Heliosoles_33 Start: 23361, Stop: 25169, Start Num: 15

Candidate Starts for Heliosoles_33:

(Start: 15 @23361 has 86 MA's), (38, 23496), (53, 23562), (62, 23607), (69, 23643), (88, 23733), (95, 23757), (130, 23802), (182, 23832), (237, 24000), (239, 24018), (244, 24042), (272, 24204), (281, 24243), (291, 24282), (308, 24372), (339, 24534), (342, 24555), (358, 24642), (368, 24699), (372, 24714), (391, 24777), (410, 24852), (418, 24873), (458, 24966), (476, 25005), (496, 25047), (522, 25146),

Gene: Hercules11_33 Start: 23284, Stop: 25041, Start Num: 15

Candidate Starts for Hercules11_33:

(Start: 15 @23284 has 86 MA's), (38, 23419), (53, 23485), (62, 23530), (69, 23566), (99, 23698), (140, 23734), (207, 23755), (220, 23812), (234, 23872), (247, 23926), (257, 23986), (280, 24106), (281, 24109), (301, 24178), (304, 24202), (317, 24295), (321, 24316), (331, 24361), (402, 24691), (426, 24760), (454, 24823), (519, 24994),

Gene: HippoHollow_32 Start: 24484, Stop: 26271, Start Num: 21

Candidate Starts for HippoHollow_32:

(Start: 21 @24484 has 44 MA's), (27, 24508), (38, 24598), (40, 24607), (48, 24640), (61, 24697), (77, 24790), (231, 25081), (237, 25102), (239, 25120), (244, 25144), (281, 25345), (291, 25384), (308, 25474), (317, 25531), (342, 25657), (360, 25762), (372, 25816), (410, 25954), (419, 25978), (458, 26068), (476, 26107), (488, 26131), (496, 26149), (524, 26254),

Gene: Horex_32 Start: 24381, Stop: 26147, Start Num: 18

Candidate Starts for Horex_32:

(Start: 18 @24381 has 27 MA's), (23, 24393), (53, 24567), (71, 24657), (86, 24702), (88, 24711), (140, 24789), (183, 24813), (208, 24849), (237, 24978), (239, 24996), (281, 25221), (286, 25242), (291, 25260), (308, 25350), (317, 25407), (341, 25530), (365, 25653), (372, 25692), (388, 25749), (410, 25830), (418, 25851), (419, 25854), (458, 25944), (505, 26055), (524, 26130),

Gene: Holli_31 Start: 22750, Stop: 24606, Start Num: 16

Candidate Starts for Holli_31:

(Start: 16 @22750 has 169 MA's), (38, 22876), (44, 22900), (66, 23005), (67, 23011), (74, 23059), (77, 23068), (87, 23110), (99, 23155), (124, 23161), (204, 23266), (208, 23278), (226, 23356), (239, 23425), (277, 23653), (284, 23677), (285, 23680), (292, 23707), (294, 23710), (310, 23815), (316, 23845), (318, 23860), (337, 23950), (344, 23989), (355, 24034), (388, 24202), (422, 24319), (425, 24325), (446, 24370), (465, 24421), (467, 24424), (497, 24487), (500, 24496), (522, 24583),

Gene: Hookmount_32 Start: 23374, Stop: 25233, Start Num: 115

Candidate Starts for Hookmount_32:

(Start: 115 @23374 has 34 MA's), (139, 23518), (143, 23536), (152, 23575), (153, 23596), (161, 23638), (165, 23656), (194, 23815), (197, 23842), (212, 23947), (218, 23968), (237, 24055), (244, 24097), (291, 24337), (308, 24427), (317, 24484), (351, 24649), (359, 24703), (360, 24715), (365, 24730), (398, 24859), (400, 24871), (419, 24931), (424, 24943), (447, 24988), (454, 25006), (514, 25153), (517, 25180), (524, 25210),

Gene: HortumSL17_33 Start: 24377, Stop: 26143, Start Num: 18

Candidate Starts for HortumSL17_33:

(Start: 18 @24377 has 27 MA's), (23, 24389), (53, 24563), (71, 24653), (86, 24698), (88, 24707), (140, 24785), (183, 24809), (208, 24845), (237, 24974), (239, 24992), (281, 25217), (286, 25238), (291, 25256), (308, 25346), (317, 25403), (341, 25526), (365, 25649), (372, 25688), (388, 25745), (410,

25826), (418, 25847), (419, 25850), (458, 25940), (505, 26051), (524, 26126),

Gene: Houdini22_31 Start: 22964, Stop: 24820, Start Num: 16

Candidate Starts for Houdini22_31:

(Start: 16 @22964 has 169 MA's), (38, 23090), (44, 23114), (66, 23219), (67, 23225), (74, 23273), (77, 23282), (87, 23324), (99, 23369), (124, 23375), (204, 23480), (208, 23492), (226, 23570), (239, 23639), (277, 23867), (284, 23891), (285, 23894), (292, 23921), (294, 23924), (310, 24029), (314, 24050), (316, 24059), (337, 24164), (344, 24203), (355, 24248), (385, 24410), (388, 24416), (422, 24533), (425, 24539), (446, 24584), (465, 24635), (467, 24638), (497, 24701), (500, 24710), (522, 24797),

Gene: Huxley_31 Start: 23021, Stop: 24877, Start Num: 16

Candidate Starts for Huxley_31:

(Start: 16 @23021 has 169 MA's), (38, 23147), (44, 23171), (66, 23276), (67, 23282), (74, 23330), (87, 23381), (99, 23426), (124, 23432), (204, 23537), (208, 23549), (222, 23612), (226, 23627), (239, 23696), (277, 23924), (284, 23948), (285, 23951), (292, 23978), (294, 23981), (310, 24086), (314, 24107), (316, 24116), (337, 24221), (344, 24260), (355, 24305), (422, 24590), (425, 24596), (446, 24641), (465, 24692), (467, 24695), (497, 24758), (500, 24767), (522, 24854),

Gene: ICleared_31 Start: 22958, Stop: 24814, Start Num: 16

Candidate Starts for ICleared_31:

(Start: 16 @22958 has 169 MA's), (38, 23084), (44, 23108), (66, 23213), (67, 23219), (74, 23267), (87, 23318), (99, 23363), (124, 23369), (204, 23474), (208, 23486), (226, 23564), (239, 23633), (277, 23861), (284, 23885), (285, 23888), (292, 23915), (294, 23918), (310, 24023), (314, 24044), (316, 24053), (337, 24158), (344, 24197), (355, 24242), (385, 24404), (388, 24410), (422, 24527), (425, 24533), (446, 24578), (465, 24629), (467, 24632), (497, 24695), (500, 24704), (522, 24791),

Gene: Iceman_32 Start: 23249, Stop: 25105, Start Num: 16

Candidate Starts for Iceman_32:

(Start: 16 @23249 has 169 MA's), (38, 23375), (44, 23399), (66, 23504), (67, 23510), (74, 23558), (87, 23609), (99, 23654), (124, 23660), (204, 23765), (208, 23777), (226, 23855), (239, 23924), (277, 24152), (284, 24176), (285, 24179), (292, 24206), (294, 24209), (310, 24314), (316, 24344), (318, 24359), (337, 24449), (344, 24488), (355, 24533), (388, 24701), (419, 24812), (422, 24818), (425, 24824), (446, 24869), (465, 24920), (467, 24923), (497, 24986), (500, 24995), (522, 25082),

Gene: Idleandcovert_31 Start: 22838, Stop: 24697, Start Num: 115

Candidate Starts for Idleandcovert_31:

(Start: 115 @22838 has 34 MA's), (139, 22982), (142, 22997), (152, 23039), (173, 23162), (180, 23210), (189, 23252), (191, 23258), (194, 23279), (237, 23519), (242, 23549), (251, 23597), (272, 23723), (281, 23762), (291, 23801), (305, 23858), (308, 23891), (339, 24053), (340, 24056), (351, 24113), (360, 24179), (365, 24194), (419, 24395), (476, 24521), (478, 24524), (511, 24605), (514, 24617), (517, 24644), (524, 24674),

Gene: Iracema64_32 Start: 23268, Stop: 25124, Start Num: 16

Candidate Starts for Iracema64_32:

(Start: 16 @23268 has 169 MA's), (38, 23394), (44, 23418), (66, 23523), (67, 23529), (74, 23577), (77, 23586), (87, 23628), (99, 23673), (124, 23679), (204, 23784), (208, 23796), (222, 23859), (226, 23874), (239, 23943), (266, 24111), (277, 24171), (285, 24198), (292, 24225), (294, 24228), (310, 24333), (314, 24354), (316, 24363), (337, 24468), (355, 24552), (368, 24651), (422, 24837), (425, 24843), (446, 24888), (465, 24939), (467, 24942), (497, 25005), (500, 25014), (522, 25101),

Gene: IronMan_34 Start: 24846, Stop: 26621, Start Num: 22

Candidate Starts for IronMan_34:

(11, 24744), (Start: 22 @24846 has 60 MA's), (27, 24867), (38, 24957), (40, 24966), (54, 25023), (61, 25050), (63, 25065), (77, 25143), (124, 25236), (130, 25257), (182, 25287), (187, 25299), (229, 25422), (237, 25455), (239, 25473), (244, 25497), (264, 25611), (281, 25698), (291, 25737), (305, 25794), (339, 25989), (342, 26010), (368, 26154), (372, 26169), (410, 26304), (419, 26328), (458, 26418), (496, 26499), (524, 26604),

Gene: Isca_31 Start: 22776, Stop: 24635, Start Num: 115

Candidate Starts for Isca_31:

(Start: 115 @22776 has 34 MA's), (135, 22902), (139, 22920), (142, 22935), (152, 22977), (191, 23196), (194, 23217), (197, 23244), (205, 23319), (212, 23349), (237, 23457), (239, 23475), (244, 23499), (291, 23739), (305, 23796), (308, 23829), (326, 23922), (330, 23946), (351, 24051), (360, 24117), (365, 24132), (407, 24303), (454, 24408), (476, 24459), (478, 24462), (498, 24501), (514, 24555), (517, 24582), (522, 24606),

Gene: Iwokeuplikedis_32 Start: 22493, Stop: 24805, Start Num: 21

Candidate Starts for Iwokeuplikedis_32:

(Start: 21 @22493 has 44 MA's), (40, 22616), (41, 22622), (48, 22649), (53, 22673), (95, 22868), (114, 23054), (128, 23144), (133, 23165), (140, 23201), (155, 23279), (159, 23312), (162, 23321), (231, 23612), (237, 23633), (239, 23651), (244, 23675), (262, 23783), (281, 23876), (291, 23915), (308, 24005), (330, 24122), (339, 24167), (342, 24188), (378, 24377), (388, 24398), (419, 24506), (429, 24530), (446, 24560), (498, 24674), (500, 24680), (514, 24728), (524, 24782),

Gene: JF2_31 Start: 22527, Stop: 24386, Start Num: 115

Candidate Starts for JF2_31:

(Start: 115 @22527 has 34 MA's), (135, 22653), (139, 22671), (142, 22686), (152, 22728), (161, 22791), (190, 22944), (191, 22947), (194, 22968), (197, 22995), (205, 23070), (218, 23121), (237, 23208), (244, 23250), (291, 23490), (305, 23547), (308, 23580), (326, 23673), (330, 23697), (351, 23802), (360, 23868), (365, 23883), (407, 24054), (454, 24159), (478, 24213), (498, 24252), (513, 24300), (514, 24306), (517, 24333), (522, 24357),

Gene: JF4_31 Start: 22527, Stop: 24386, Start Num: 115

Candidate Starts for JF4_31:

(Start: 115 @22527 has 34 MA's), (135, 22653), (139, 22671), (142, 22686), (152, 22728), (161, 22791), (190, 22944), (191, 22947), (194, 22968), (197, 22995), (205, 23070), (218, 23121), (237, 23208), (244, 23250), (291, 23490), (305, 23547), (308, 23580), (326, 23673), (330, 23697), (351, 23802), (360, 23868), (365, 23883), (407, 24054), (454, 24159), (478, 24213), (498, 24252), (513, 24300), (514, 24306), (517, 24333), (522, 24357),

Gene: JHC117_33 Start: 23275, Stop: 25032, Start Num: 15

Candidate Starts for JHC117_33:

(Start: 15 @23275 has 86 MA's), (38, 23410), (53, 23476), (62, 23521), (69, 23557), (99, 23689), (140, 23725), (207, 23746), (220, 23803), (234, 23863), (247, 23917), (257, 23977), (280, 24097), (281, 24100), (301, 24169), (304, 24193), (317, 24286), (321, 24307), (331, 24352), (402, 24682), (426, 24751), (454, 24814), (519, 24985),

Gene: Jaan_35 Start: 25218, Stop: 26993, Start Num: 16

Candidate Starts for Jaan_35:

(14, 25179), (Start: 16 @25218 has 169 MA's), (38, 25329), (40, 25338), (54, 25395), (61, 25422), (77, 25515), (124, 25608), (130, 25629), (182, 25659), (187, 25671), (229, 25794), (237, 25827), (239, 25845), (244, 25869), (264, 25983), (268, 26007), (281, 26070), (291, 26109), (295, 26121), (305, 26166), (339, 26361), (342, 26382), (372, 26541), (373, 26547), (393, 26613), (410, 26676), (418, 26697), (458, 26790), (496, 26871), (505, 26901), (514, 26931), (524, 26976),

Gene: Jaykayelowell_31 Start: 22956, Stop: 24812, Start Num: 16

Candidate Starts for Jaykayelowell_31:

(Start: 16 @22956 has 169 MA's), (38, 23082), (44, 23106), (66, 23211), (67, 23217), (74, 23265), (87, 23316), (99, 23361), (124, 23367), (204, 23472), (208, 23484), (226, 23562), (239, 23631), (277, 23859), (285, 23886), (292, 23913), (294, 23916), (310, 24021), (316, 24051), (318, 24066), (337, 24156), (344, 24195), (355, 24240), (388, 24408), (422, 24525), (425, 24531), (446, 24576), (465, 24627), (467, 24630), (497, 24693), (500, 24702), (522, 24789),

Gene: Jeeves_31 Start: 21978, Stop: 23861, Start Num: 7

Candidate Starts for Jeeves_31:

(Start: 7 @21978 has 1 MA's), (9, 21984), (31, 22194), (32, 22227), (37, 22251), (42, 22272), (59, 22347), (73, 22437), (131, 22551), (209, 22692), (231, 22746), (256, 22881), (265, 22935), (283, 23019), (304, 23118), (309, 23163), (327, 23247), (347, 23346), (353, 23370), (363, 23436), (367, 23451), (399, 23571), (409, 23598), (452, 23688), (464, 23724), (474, 23748), (489, 23781), (504, 23823), (512, 23850), (513, 23853),

Gene: JenCasNa_33 Start: 23276, Stop: 25033, Start Num: 15

Candidate Starts for JenCasNa_33:

(Start: 15 @23276 has 86 MA's), (38, 23411), (53, 23477), (62, 23522), (69, 23558), (99, 23690), (140, 23726), (207, 23747), (220, 23804), (234, 23864), (247, 23918), (257, 23978), (280, 24098), (281, 24101), (301, 24170), (304, 24194), (317, 24287), (321, 24308), (331, 24353), (402, 24683), (426, 24752), (454, 24815), (519, 24986),

Gene: JeppNRM_34 Start: 23360, Stop: 25168, Start Num: 15

Candidate Starts for JeppNRM_34:

(Start: 15 @23360 has 86 MA's), (38, 23495), (53, 23561), (62, 23606), (63, 23609), (84, 23714), (95, 23756), (130, 23801), (182, 23831), (230, 23972), (237, 23999), (239, 24017), (244, 24041), (272, 24203), (281, 24242), (291, 24281), (308, 24371), (339, 24533), (342, 24554), (358, 24641), (368, 24698), (372, 24713), (391, 24776), (410, 24851), (418, 24872), (458, 24965), (476, 25004), (496, 25046), (522, 25145),

Gene: Jerm_33 Start: 23204, Stop: 25408, Start Num: 21

Candidate Starts for Jerm_33:

(Start: 21 @23204 has 44 MA's), (38, 23318), (40, 23327), (48, 23360), (61, 23417), (88, 23555), (128, 23744), (155, 23879), (162, 23921), (174, 23993), (237, 24233), (239, 24251), (244, 24275), (262, 24383), (281, 24476), (291, 24515), (308, 24605), (317, 24662), (318, 24665), (330, 24722), (331, 24728), (339, 24767), (342, 24788), (389, 25004), (400, 25049), (453, 25181), (469, 25217), (480, 25238), (498, 25277), (514, 25331), (531, 25400),

Gene: JetBlade_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for JetBlade_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: Jiawan_32 Start: 24413, Stop: 26179, Start Num: 18

Candidate Starts for Jiawan_32:

(Start: 18 @24413 has 27 MA's), (23, 24425), (53, 24599), (71, 24689), (86, 24734), (88, 24743), (140, 24821), (183, 24845), (208, 24881), (237, 25010), (239, 25028), (281, 25253), (286, 25274), (291, 25292), (308, 25382), (317, 25439), (341, 25562), (365, 25685), (372, 25724), (388, 25781), (410, 25862), (418, 25883), (419, 25886), (453, 25961), (458, 25976), (505, 26087), (524, 26162),

Gene: Jobu08_33 Start: 23349, Stop: 25154, Start Num: 15

Candidate Starts for Jobu08_33:

(Start: 15 @23349 has 86 MA's), (38, 23484), (53, 23550), (62, 23595), (84, 23703), (95, 23745), (130, 23790), (182, 23820), (237, 23988), (239, 24006), (244, 24030), (268, 24168), (272, 24192), (281, 24231), (291, 24270), (308, 24360), (339, 24522), (342, 24543), (358, 24630), (372, 24702), (380, 24732), (393, 24774), (410, 24837), (419, 24861), (453, 24936), (458, 24951), (476, 24990), (496, 25032), (524, 25137),

Gene: JoongJeon_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for JoongJeon_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: JoshKayV_33 Start: 23180, Stop: 25381, Start Num: 22

Candidate Starts for JoshKayV_33:

(Start: 22 @23180 has 60 MA's), (27, 23201), (38, 23291), (40, 23300), (61, 23390), (88, 23528), (95, 23552), (103, 23606), (128, 23717), (134, 23741), (155, 23852), (162, 23894), (237, 24206), (239, 24224), (244, 24248), (262, 24356), (281, 24449), (291, 24488), (308, 24578), (330, 24695), (331, 24701), (339, 24740), (342, 24761), (378, 24950), (389, 24977), (400, 25022), (469, 25190), (480, 25211), (498, 25250), (514, 25304), (531, 25373),

Gene: Journey13_29 Start: 21908, Stop: 23737, Start Num: 22

Candidate Starts for Journey13_29:

(Start: 22 @21908 has 60 MA's), (42, 22037), (44, 22043), (67, 22154), (71, 22178), (124, 22313), (141, 22346), (142, 22352), (223, 22532), (287, 22850), (307, 22952), (309, 22973), (311, 22979), (313, 22994), (326, 23054), (332, 23081), (377, 23300), (474, 23564), (500, 23624), (526, 23726), (528, 23729),

Gene: Jsquared_30 Start: 21719, Stop: 23470, Start Num: 22

Candidate Starts for Jsquared_30:

(Start: 22 @21719 has 60 MA's), (27, 21740), (40, 21839), (44, 21854), (61, 21929), (67, 21965), (69, 21977), (71, 21989), (74, 22013), (76, 22019), (97, 22100), (127, 22133), (141, 22157), (142, 22163), (187, 22235), (223, 22343), (287, 22661), (309, 22781), (322, 22850), (370, 23081), (392, 23156), (395, 23168), (397, 23177), (408, 23216), (491, 23411), (501, 23438), (502, 23441), (505, 23453),

Gene: Junimo_30 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Junimo_30:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: KADY_34 Start: 23364, Stop: 25115, Start Num: 15

Candidate Starts for KADY_34:

(Start: 15 @23364 has 86 MA's), (38, 23499), (53, 23565), (62, 23610), (69, 23646), (94, 23757), (99, 23778), (140, 23814), (207, 23835), (234, 23952), (261, 24090), (280, 24186), (281, 24189), (301, 24258), (304, 24282), (309, 24327), (317, 24375), (331, 24441), (361, 24612), (364, 24618), (373, 24669), (388, 24714), (397, 24744), (410, 24792), (426, 24834), (431, 24849), (434, 24852), (446,

24876), (497, 24978), (498, 24981), (505, 25005),

Gene: KFPoly_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for KFPoly_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (314, 24043), (316, 24052), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: Kachowdy_31 Start: 22892, Stop: 24751, Start Num: 115

Candidate Starts for Kachowdy_31:

(Start: 115 @22892 has 34 MA's), (135, 23018), (138, 23027), (152, 23093), (153, 23114), (161, 23156), (191, 23312), (197, 23360), (203, 23429), (205, 23435), (212, 23465), (237, 23573), (239, 23591), (244, 23615), (291, 23855), (308, 23945), (330, 24062), (351, 24167), (360, 24233), (365, 24248), (407, 24419), (454, 24524), (478, 24578), (498, 24617), (514, 24671), (517, 24698), (522, 24722),

Gene: Kalb97_34 Start: 23360, Stop: 25168, Start Num: 15

Candidate Starts for Kalb97_34:

(Start: 15 @23360 has 86 MA's), (38, 23495), (53, 23561), (62, 23606), (69, 23642), (88, 23732), (95, 23756), (130, 23801), (182, 23831), (237, 23999), (239, 24017), (244, 24041), (272, 24203), (281, 24242), (291, 24281), (308, 24371), (339, 24533), (342, 24554), (358, 24641), (368, 24698), (372, 24713), (391, 24776), (410, 24851), (418, 24872), (458, 24965), (476, 25004), (482, 25013), (496, 25046), (522, 25145),

Gene: Kalnoky_34 Start: 23361, Stop: 25169, Start Num: 15

Candidate Starts for Kalnoky_34:

(Start: 15 @23361 has 86 MA's), (38, 23496), (53, 23562), (62, 23607), (63, 23610), (84, 23715), (95, 23757), (130, 23802), (182, 23832), (230, 23973), (237, 24000), (239, 24018), (244, 24042), (272, 24204), (281, 24243), (291, 24282), (308, 24372), (339, 24534), (342, 24555), (358, 24642), (368, 24699), (372, 24714), (391, 24777), (410, 24852), (418, 24873), (458, 24966), (476, 25005), (496, 25047), (522, 25146),

Gene: Kalpine_34 Start: 24570, Stop: 26348, Start Num: 19

Candidate Starts for Kalpine_34:

(Start: 19 @24570 has 5 MA's), (38, 24684), (40, 24693), (69, 24825), (217, 25092), (237, 25182), (239, 25200), (281, 25425), (291, 25464), (295, 25476), (308, 25554), (317, 25611), (329, 25665), (341, 25734), (364, 25851), (372, 25896), (389, 25953), (410, 26031), (418, 26052), (427, 26073), (458, 26145), (496, 26226), (505, 26256), (514, 26286), (524, 26331),

Gene: Kamy_31 Start: 22958, Stop: 24814, Start Num: 16

Candidate Starts for Kamy_31:

(Start: 16 @22958 has 169 MA's), (38, 23084), (44, 23108), (66, 23213), (67, 23219), (74, 23267), (77, 23276), (87, 23318), (99, 23363), (124, 23369), (204, 23474), (208, 23486), (226, 23564), (239, 23633), (277, 23861), (284, 23885), (285, 23888), (292, 23915), (294, 23918), (310, 24023), (316, 24053), (318, 24068), (337, 24158), (344, 24197), (351, 24224), (355, 24242), (368, 24341), (422, 24527), (446, 24578), (467, 24632), (497, 24695), (500, 24704), (522, 24791),

Gene: Katalie136_31 Start: 22972, Stop: 24831, Start Num: 16

Candidate Starts for Katalie136_31:

(12, 22912), (Start: 16 @22972 has 169 MA's), (31, 23038), (34, 23083), (36, 23089), (44, 23122), (48, 23140), (58, 23185), (60, 23191), (61, 23197), (77, 23290), (81, 23305), (99, 23377), (147, 23437),

(204, 23488), (208, 23500), (226, 23578), (239, 23647), (259, 23770), (263, 23794), (277, 23875), (288, 23920), (292, 23929), (294, 23932), (314, 24061), (316, 24070), (324, 24112), (330, 24139), (337, 24175), (341, 24202), (344, 24214), (371, 24370), (422, 24544), (425, 24550), (446, 24595), (465, 24646), (467, 24649), (484, 24685), (500, 24721),

Gene: KekoraPapaka_30 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for KekoraPapaka_30:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Kerberos_34 Start: 22559, Stop: 24412, Start Num: 22

Candidate Starts for Kerberos_34:

(Start: 19 @22553 has 5 MA's), (Start: 22 @22559 has 60 MA's), (40, 22679), (61, 22769), (71, 22829), (82, 22880), (127, 22973), (141, 22997), (142, 23003), (287, 23510), (303, 23579), (316, 23666), (334, 23747), (370, 23930), (445, 24149), (449, 24161), (462, 24191), (490, 24260), (500, 24284), (502, 24293), (512, 24329),

Gene: Keziacharles14_31 Start: 22419, Stop: 24875, Start Num: 21

Candidate Starts for Keziacharles14_31:

(Start: 21 @22419 has 44 MA's), (36, 22524), (74, 22692), (112, 22947), (118, 23004), (136, 23106), (147, 23148), (178, 23337), (179, 23340), (180, 23355), (188, 23394), (196, 23439), (198, 23475), (237, 23700), (239, 23718), (279, 23940), (282, 23946), (290, 23979), (308, 24081), (330, 24198), (339, 24243), (351, 24303), (360, 24369), (365, 24384), (366, 24387), (368, 24408), (372, 24423), (373, 24429), (421, 24588), (451, 24648), (513, 24795),

Gene: Kimona_28 Start: 20738, Stop: 22444, Start Num: 16

Candidate Starts for Kimona_28:

(Start: 16 @20738 has 169 MA's), (25, 20771), (29, 20786), (53, 20936), (54, 20942), (74, 21053), (76, 21059), (127, 21116), (184, 21185), (201, 21218), (205, 21230), (240, 21389), (309, 21752), (375, 22079), (382, 22100), (385, 22112), (403, 22166), (408, 22190), (445, 22271), (488, 22379), (500, 22409), (507, 22436),

Gene: KingCyrus_33 Start: 23177, Stop: 25654, Start Num: 22

Candidate Starts for KingCyrus_33:

(Start: 22 @23177 has 60 MA's), (27, 23198), (38, 23288), (40, 23297), (61, 23387), (69, 23435), (91, 23567), (116, 23786), (119, 23813), (126, 23855), (142, 23930), (168, 24071), (170, 24086), (176, 24137), (178, 24143), (196, 24245), (199, 24287), (231, 24455), (241, 24497), (244, 24518), (263, 24629), (264, 24632), (274, 24689), (290, 24755), (291, 24758), (295, 24770), (303, 24812), (305, 24821), (308, 24854), (317, 24911), (342, 25037), (350, 25073), (351, 25076), (378, 25226), (381, 25232), (398, 25286), (400, 25298), (403, 25307), (407, 25328), (429, 25382), (483, 25496), (497, 25523), (498, 25526), (514, 25580), (517, 25607),

Gene: Kingmustik0402_31 Start: 22952, Stop: 24808, Start Num: 16

Candidate Starts for Kingmustik0402_31:

(Start: 16 @22952 has 169 MA's), (38, 23078), (44, 23102), (66, 23207), (67, 23213), (74, 23261), (77, 23270), (87, 23312), (99, 23357), (124, 23363), (204, 23468), (208, 23480), (226, 23558), (239, 23627), (277, 23855), (284, 23879), (285, 23882), (292, 23909), (294, 23912), (310, 24017), (316, 24047), (318, 24062), (337, 24152), (344, 24191), (355, 24236), (388, 24404), (422, 24521), (425, 24527), (446, 24572), (465, 24623), (467, 24626), (497, 24689), (500, 24698), (522, 24785),

Gene: Kinmap_32 Start: 22357, Stop: 24255, Start Num: 7

Candidate Starts for Kinmap_32:

(5, 22222), (Start: 7 @22357 has 1 MA's), (9, 22363), (17, 22507), (37, 22630), (50, 22696), (55, 22717), (131, 22936), (151, 22978), (209, 23077), (253, 23281), (265, 23362), (266, 23374), (283, 23446), (289, 23470), (302, 23536), (363, 23863), (367, 23878), (470, 24130), (481, 24154), (512, 24244), (513, 24247),

Gene: KittenMittens_31 Start: 21406, Stop: 23688, Start Num: 16

Candidate Starts for KittenMittens_31:

(Start: 16 @21406 has 169 MA's), (25, 21439), (36, 21523), (52, 21589), (102, 21835), (103, 21844), (109, 21928), (120, 22003), (135, 22081), (152, 22156), (166, 22246), (171, 22279), (202, 22372), (237, 22519), (239, 22537), (244, 22561), (281, 22762), (291, 22801), (308, 22891), (317, 22948), (342, 23074), (344, 23083), (348, 23101), (351, 23113), (368, 23218), (372, 23233), (373, 23239), (382, 23272), (410, 23371), (418, 23392), (419, 23395), (446, 23452), (453, 23470), (454, 23473), (458, 23485), (476, 23524), (496, 23566), (497, 23569), (524, 23671),

Gene: Klodlith_31 Start: 22328, Stop: 23986, Start Num: 21

Candidate Starts for Klodlith_31:

(Start: 21 @22328 has 44 MA's), (48, 22484), (54, 22514), (65, 22565), (76, 22631), (89, 22679), (98, 22703), (181, 22778), (226, 22892), (248, 23003), (278, 23183), (289, 23219), (309, 23339), (333, 23453), (336, 23465), (363, 23612), (367, 23627), (379, 23681), (462, 23837), (474, 23870),

Gene: Koan_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Koan_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Koduck_32 Start: 21936, Stop: 23582, Start Num: 22

Candidate Starts for Koduck_32:

(Start: 22 @21936 has 60 MA's), (40, 22056), (44, 22071), (61, 22146), (69, 22194), (71, 22206), (83, 22263), (141, 22374), (142, 22380), (187, 22452), (243, 22671), (269, 22785), (287, 22869), (290, 22875), (299, 22911), (309, 22995), (325, 23073), (346, 23169), (356, 23208), (370, 23295), (392, 23367), (413, 23442), (417, 23454), (425, 23463), (439, 23493), (468, 23562),

Gene: Koreni_30 Start: 22606, Stop: 24462, Start Num: 16

Candidate Starts for Koreni_30:

(Start: 16 @22606 has 169 MA's), (38, 22732), (44, 22756), (66, 22861), (67, 22867), (74, 22915), (77, 22924), (87, 22966), (99, 23011), (124, 23017), (204, 23122), (208, 23134), (226, 23212), (239, 23281), (277, 23509), (284, 23533), (285, 23536), (292, 23563), (294, 23566), (310, 23671), (314, 23692), (316, 23701), (337, 23806), (344, 23845), (355, 23890), (385, 24052), (388, 24058), (422, 24175), (425, 24181), (446, 24226), (465, 24277), (467, 24280), (497, 24343), (500, 24352), (522, 24439),

Gene: Kratark_31 Start: 22952, Stop: 24808, Start Num: 16

Candidate Starts for Kratark_31:

(Start: 16 @22952 has 169 MA's), (38, 23078), (44, 23102), (66, 23207), (67, 23213), (74, 23261), (87, 23312), (99, 23357), (124, 23363), (204, 23468), (208, 23480), (222, 23543), (226, 23558), (239, 23627), (277, 23855), (284, 23879), (285, 23882), (292, 23909), (294, 23912), (310, 24017), (314, 24038), (316, 24047), (337, 24152), (344, 24191), (355, 24236), (368, 24335), (422, 24521), (425, 24527), (446, 24572), (465, 24623), (467, 24626), (497, 24689), (500, 24698), (522, 24785),

Gene: Kremtemulon_31 Start: 23008, Stop: 24867, Start Num: 16

Candidate Starts for Kremtemulon_31:

(Start: 16 @23008 has 169 MA's), (38, 23134), (44, 23158), (66, 23263), (67, 23269), (74, 23317), (77, 23326), (87, 23368), (124, 23419), (204, 23524), (208, 23536), (226, 23614), (239, 23683), (277, 23911), (285, 23938), (292, 23965), (294, 23968), (310, 24073), (316, 24103), (318, 24118), (337, 24208), (344, 24247), (351, 24274), (355, 24292), (425, 24583), (458, 24661), (463, 24673), (465, 24679), (484, 24718), (497, 24745), (499, 24751), (522, 24844),

Gene: Kristoff_34 Start: 23647, Stop: 25482, Start Num: 16

Candidate Starts for Kristoff_34:

(Start: 16 @23647 has 169 MA's), (25, 23680), (58, 23857), (99, 24049), (101, 24055), (102, 24076), (104, 24103), (229, 24283), (237, 24316), (239, 24334), (244, 24358), (262, 24466), (291, 24598), (305, 24655), (308, 24688), (317, 24745), (329, 24799), (332, 24814), (341, 24868), (360, 24976), (365, 24991), (368, 25015), (372, 25030), (404, 25147), (410, 25165), (418, 25186), (419, 25189), (453, 25264), (458, 25279), (496, 25360), (505, 25390), (514, 25420), (524, 25465), (525, 25468),

Gene: Kyee_31 Start: 22958, Stop: 24814, Start Num: 16

Candidate Starts for Kyee_31:

(Start: 16 @22958 has 169 MA's), (38, 23084), (44, 23108), (66, 23213), (67, 23219), (74, 23267), (77, 23276), (87, 23318), (99, 23363), (124, 23369), (204, 23474), (208, 23486), (226, 23564), (239, 23633), (277, 23861), (284, 23885), (285, 23888), (292, 23915), (294, 23918), (310, 24023), (314, 24044), (316, 24053), (337, 24158), (344, 24197), (355, 24242), (388, 24410), (422, 24527), (425, 24533), (446, 24578), (465, 24629), (467, 24632), (497, 24695), (500, 24704), (522, 24791),

Gene: L5_31 Start: 21890, Stop: 23536, Start Num: 22

Candidate Starts for L5_31:

(Start: 22 @21890 has 60 MA's), (40, 22010), (44, 22025), (61, 22100), (69, 22148), (71, 22160), (97, 22271), (141, 22328), (142, 22334), (187, 22406), (243, 22625), (269, 22739), (287, 22823), (290, 22829), (299, 22865), (309, 22949), (325, 23027), (346, 23123), (356, 23162), (370, 23249), (417, 23408), (439, 23447),

Gene: LBerry_33 Start: 23277, Stop: 25034, Start Num: 15

Candidate Starts for LBerry_33:

(Start: 15 @23277 has 86 MA's), (38, 23412), (53, 23478), (62, 23523), (69, 23559), (99, 23691), (140, 23727), (207, 23748), (220, 23805), (234, 23865), (247, 23919), (257, 23979), (280, 24099), (281, 24102), (301, 24171), (304, 24195), (317, 24288), (321, 24309), (331, 24354), (402, 24684), (426, 24753), (454, 24816), (519, 24987),

Gene: LHTSCC_32 Start: 23274, Stop: 25130, Start Num: 16

Candidate Starts for LHTSCC_32:

(Start: 16 @23274 has 169 MA's), (38, 23400), (44, 23424), (66, 23529), (67, 23535), (74, 23583), (87, 23634), (124, 23685), (204, 23790), (208, 23802), (226, 23880), (239, 23949), (266, 24117), (271, 24147), (277, 24177), (284, 24201), (285, 24204), (292, 24231), (294, 24234), (310, 24339), (314, 24360), (316, 24369), (344, 24513), (355, 24558), (385, 24720), (422, 24843), (446, 24894), (497, 25011), (500, 25020), (522, 25107),

Gene: LadyBird_31 Start: 22727, Stop: 25135, Start Num: 21

Candidate Starts for LadyBird_31:

(Start: 21 @22727 has 44 MA's), (38, 22841), (61, 22934), (67, 22970), (101, 23120), (102, 23141), (103, 23150), (114, 23282), (128, 23372), (155, 23507), (159, 23540), (162, 23549), (177, 23648), (217, 23888), (237, 23978), (239, 23996), (244, 24020), (281, 24221), (291, 24260), (296, 24281), (305, 24317), (308, 24350), (312, 24371), (317, 24407), (329, 24461), (339, 24512), (342, 24533),

(360, 24638), (365, 24653), (410, 24821), (427, 24863), (459, 24932), (520, 25103), (522, 25112), (524, 25118),

Gene: Lambert1_32 Start: 23373, Stop: 25232, Start Num: 115

Candidate Starts for Lambert1_32:

(Start: 115 @23373 has 34 MA's), (139, 23517), (143, 23535), (152, 23574), (153, 23595), (161, 23637), (165, 23655), (194, 23814), (197, 23841), (212, 23946), (218, 23967), (237, 24054), (244, 24096), (291, 24336), (308, 24426), (317, 24483), (351, 24648), (359, 24702), (360, 24714), (365, 24729), (398, 24858), (400, 24870), (419, 24930), (424, 24942), (447, 24987), (454, 25005), (514, 25152), (517, 25179), (524, 25209),

Gene: Landor_33 Start: 24870, Stop: 26645, Start Num: 16

Candidate Starts for Landor_33:

(14, 24831), (Start: 16 @24870 has 169 MA's), (38, 24981), (40, 24990), (54, 25047), (61, 25074), (77, 25167), (124, 25260), (130, 25281), (182, 25311), (187, 25323), (229, 25446), (237, 25479), (239, 25497), (244, 25521), (264, 25635), (272, 25683), (281, 25722), (291, 25761), (295, 25773), (305, 25818), (339, 26013), (342, 26034), (359, 26127), (372, 26193), (393, 26265), (410, 26328), (453, 26427), (458, 26442), (496, 26523), (514, 26583), (524, 26628),

Gene: LappelDuVide_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for LappelDuVide_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: Larenn_32 Start: 23024, Stop: 25237, Start Num: 21

Candidate Starts for Larenn_32:

(Start: 21 @23024 has 44 MA's), (38, 23138), (41, 23153), (63, 23252), (76, 23327), (88, 23375), (91, 23387), (128, 23564), (137, 23603), (155, 23699), (159, 23732), (162, 23741), (172, 23801), (182, 23867), (237, 24053), (242, 24083), (244, 24095), (274, 24266), (291, 24335), (308, 24434), (329, 24545), (330, 24551), (331, 24557), (339, 24596), (342, 24617), (350, 24653), (351, 24656), (360, 24722), (389, 24833), (419, 24938), (446, 24992), (500, 25112), (514, 25160), (516, 25184),

Gene: LarryKay_33 Start: 23366, Stop: 25117, Start Num: 15

Candidate Starts for LarryKay_33:

(Start: 15 @23366 has 86 MA's), (38, 23501), (53, 23567), (62, 23612), (69, 23648), (94, 23759), (99, 23780), (140, 23816), (207, 23837), (234, 23954), (261, 24092), (280, 24188), (281, 24191), (301, 24260), (304, 24284), (309, 24329), (317, 24377), (331, 24443), (361, 24614), (364, 24620), (373, 24671), (388, 24716), (397, 24746), (410, 24794), (426, 24836), (431, 24851), (434, 24854), (446, 24878), (497, 24980), (498, 24983), (505, 25007),

Gene: Lemur_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for Lemur_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: LeoAvram_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for LeoAvram_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (368, 24340), (422, 24526), (446, 24577), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: Leogania_33 Start: 24913, Stop: 26691, Start Num: 16

Candidate Starts for Leogania_33:

(Start: 16 @24913 has 169 MA's), (38, 25024), (40, 25033), (61, 25120), (140, 25336), (182, 25357), (187, 25369), (231, 25504), (237, 25525), (239, 25543), (244, 25567), (262, 25675), (291, 25807), (305, 25864), (308, 25897), (317, 25954), (360, 26185), (368, 26224), (372, 26239), (410, 26374), (419, 26398), (422, 26404), (453, 26473), (458, 26488), (476, 26527), (482, 26536), (496, 26569), (524, 26674), (529, 26683),

Gene: Leviathan_33 Start: 23260, Stop: 25464, Start Num: 21

Candidate Starts for Leviathan_33:

(Start: 21 @23260 has 44 MA's), (38, 23374), (40, 23383), (41, 23389), (61, 23473), (88, 23611), (95, 23635), (103, 23689), (128, 23800), (155, 23935), (162, 23977), (174, 24049), (231, 24268), (237, 24289), (239, 24307), (244, 24331), (262, 24439), (281, 24532), (291, 24571), (308, 24661), (317, 24718), (318, 24721), (330, 24778), (331, 24784), (339, 24823), (342, 24844), (378, 25033), (385, 25054), (419, 25165), (484, 25303), (509, 25369), (514, 25387), (531, 25456),

Gene: LilTurb_33 Start: 23263, Stop: 25467, Start Num: 21

Candidate Starts for LilTurb_33:

(Start: 21 @23263 has 44 MA's), (38, 23377), (40, 23386), (48, 23419), (61, 23476), (88, 23614), (128, 23803), (155, 23938), (162, 23980), (174, 24052), (237, 24292), (239, 24310), (244, 24334), (262, 24442), (281, 24535), (291, 24574), (308, 24664), (317, 24721), (318, 24724), (330, 24781), (331, 24787), (339, 24826), (342, 24847), (378, 25036), (389, 25063), (443, 25216), (453, 25240), (477, 25294), (480, 25297), (498, 25336), (500, 25342), (514, 25390),

Gene: Lilith_33 Start: 23270, Stop: 25027, Start Num: 15

Candidate Starts for Lilith_33:

(Start: 15 @23270 has 86 MA's), (38, 23405), (53, 23471), (62, 23516), (69, 23552), (99, 23684), (140, 23720), (207, 23741), (220, 23798), (234, 23858), (247, 23912), (257, 23972), (280, 24092), (281, 24095), (301, 24164), (304, 24188), (317, 24281), (321, 24302), (331, 24347), (402, 24677), (426, 24746), (454, 24809), (519, 24980),

Gene: Lilleskat_31 Start: 24377, Stop: 26143, Start Num: 18

Candidate Starts for Lilleskat_31:

(Start: 18 @24377 has 27 MA's), (23, 24389), (53, 24563), (71, 24653), (86, 24698), (88, 24707), (140, 24785), (183, 24809), (208, 24845), (237, 24974), (239, 24992), (281, 25217), (286, 25238), (291, 25256), (308, 25346), (317, 25403), (341, 25526), (365, 25649), (372, 25688), (388, 25745), (410, 25826), (418, 25847), (419, 25850), (458, 25940), (505, 26051), (524, 26126),

Gene: LionsBait_32 Start: 24478, Stop: 26265, Start Num: 21

Candidate Starts for LionsBait_32:

(Start: 21 @24478 has 44 MA's), (27, 24502), (38, 24592), (40, 24601), (48, 24634), (61, 24691), (77, 24784), (231, 25075), (237, 25096), (239, 25114), (244, 25138), (281, 25339), (291, 25378), (308, 25468), (317, 25525), (342, 25651), (360, 25756), (372, 25810), (410, 25948), (419, 25972), (458, 26062), (476, 26101), (488, 26125), (496, 26143), (524, 26248),

Gene: LittleB_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for LittleB_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: LittleGuy_31 Start: 22903, Stop: 24762, Start Num: 16

Candidate Starts for LittleGuy_31:

(Start: 16 @22903 has 169 MA's), (38, 23029), (44, 23053), (66, 23158), (67, 23164), (74, 23212), (77, 23221), (87, 23263), (99, 23308), (124, 23314), (204, 23419), (208, 23431), (226, 23509), (239, 23578), (292, 23860), (294, 23863), (310, 23968), (316, 23998), (337, 24103), (344, 24142), (351, 24169), (355, 24187), (425, 24478), (458, 24556), (463, 24568), (465, 24574), (484, 24613), (497, 24640), (499, 24646), (500, 24649), (522, 24739),

Gene: LochMonster_31 Start: 22932, Stop: 24788, Start Num: 16

Candidate Starts for LochMonster_31:

(Start: 16 @22932 has 169 MA's), (38, 23058), (44, 23082), (66, 23187), (67, 23193), (74, 23241), (77, 23250), (87, 23292), (99, 23337), (124, 23343), (204, 23448), (208, 23460), (222, 23523), (226, 23538), (239, 23607), (266, 23775), (277, 23835), (285, 23862), (292, 23889), (294, 23892), (310, 23997), (314, 24018), (316, 24027), (337, 24132), (355, 24216), (368, 24315), (422, 24501), (425, 24507), (446, 24552), (465, 24603), (467, 24606), (497, 24669), (500, 24678), (522, 24765),

Gene: Lökk_34 Start: 24358, Stop: 26142, Start Num: 21

Candidate Starts for Lökk_34:

(Start: 21 @24358 has 44 MA's), (27, 24382), (38, 24472), (40, 24481), (53, 24538), (217, 24886), (218, 24889), (237, 24976), (239, 24994), (244, 25018), (262, 25126), (281, 25219), (291, 25258), (308, 25348), (318, 25408), (329, 25459), (339, 25510), (342, 25531), (352, 25576), (368, 25675), (372, 25690), (374, 25708), (418, 25846), (427, 25867), (458, 25939), (467, 25957), (476, 25978), (487, 25999), (496, 26020), (514, 26080), (524, 26125),

Gene: LoneWolf_32 Start: 23970, Stop: 25736, Start Num: 18

Candidate Starts for LoneWolf_32:

(Start: 18 @23970 has 27 MA's), (53, 24156), (64, 24204), (71, 24246), (86, 24291), (88, 24300), (95, 24324), (130, 24369), (140, 24378), (183, 24402), (208, 24438), (237, 24567), (239, 24585), (245, 24615), (248, 24624), (275, 24783), (281, 24810), (291, 24849), (308, 24939), (317, 24996), (331, 25062), (341, 25119), (365, 25242), (372, 25281), (410, 25419), (418, 25440), (419, 25443), (446, 25500), (458, 25533), (505, 25644), (524, 25719),

Gene: Lorenzo_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Lorenzo_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (385, 24406), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Loser_35 Start: 25033, Stop: 26811, Start Num: 22

Candidate Starts for Loser_35:

(Start: 22 @25033 has 60 MA's), (38, 25144), (40, 25153), (49, 25186), (61, 25240), (67, 25276), (69, 25288), (71, 25300), (130, 25447), (140, 25456), (182, 25477), (187, 25489), (217, 25555), (231, 25624), (237, 25645), (239, 25663), (244, 25687), (261, 25786), (262, 25795), (291, 25927), (305, 25984), (308, 26017), (317, 26074), (329, 26128), (341, 26197), (365, 26320), (372, 26359), (388, 26413), (410, 26494), (418, 26515), (427, 26536), (458, 26608), (496, 26689),

Gene: Louie6_33 Start: 23364, Stop: 25115, Start Num: 15

Candidate Starts for Louie6_33:

(Start: 15 @23364 has 86 MA's), (38, 23499), (53, 23565), (62, 23610), (69, 23646), (94, 23757), (99, 23778), (140, 23814), (207, 23835), (234, 23952), (261, 24090), (280, 24186), (281, 24189), (301, 24258), (304, 24282), (309, 24327), (317, 24375), (331, 24441), (361, 24612), (364, 24618), (373, 24669), (388, 24714), (397, 24744), (410, 24792), (426, 24834), (431, 24849), (434, 24852), (446, 24876), (497, 24978), (498, 24981), (505, 25005),

Gene: Lowa_33 Start: 23269, Stop: 25026, Start Num: 15

Candidate Starts for Lowa_33:

(Start: 15 @23269 has 86 MA's), (38, 23404), (53, 23470), (62, 23515), (69, 23551), (99, 23683), (140, 23719), (207, 23740), (220, 23797), (234, 23857), (247, 23911), (257, 23971), (280, 24091), (281, 24094), (301, 24163), (304, 24187), (317, 24280), (321, 24301), (331, 24346), (402, 24676), (426, 24745), (454, 24808), (519, 24979),

Gene: Luchador_33 Start: 23273, Stop: 25723, Start Num: 21

Candidate Starts for Luchador_33:

(Start: 21 @23273 has 44 MA's), (23, 23279), (62, 23489), (74, 23546), (80, 23567), (112, 23798), (126, 23909), (158, 24083), (168, 24125), (176, 24182), (178, 24188), (180, 24206), (184, 24227), (186, 24233), (188, 24245), (231, 24524), (244, 24587), (264, 24701), (274, 24758), (290, 24824), (291, 24827), (295, 24839), (303, 24881), (308, 24923), (339, 25085), (342, 25106), (351, 25145), (369, 25253), (378, 25295), (386, 25316), (398, 25355), (407, 25397), (438, 25466), (483, 25565), (497, 25592), (498, 25595), (514, 25649), (517, 25676),

Gene: LugYA_35 Start: 23277, Stop: 25034, Start Num: 15

Candidate Starts for LugYA_35:

(Start: 15 @23277 has 86 MA's), (38, 23412), (53, 23478), (62, 23523), (69, 23559), (99, 23691), (140, 23727), (207, 23748), (220, 23805), (234, 23865), (247, 23919), (257, 23979), (280, 24099), (281, 24102), (301, 24171), (304, 24195), (317, 24288), (321, 24309), (331, 24354), (402, 24684), (426, 24753), (454, 24816), (519, 24987),

Gene: Lunsford_32 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for Lunsford_32:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: MA5_31 Start: 22455, Stop: 24314, Start Num: 115

Candidate Starts for MA5_31:

(Start: 115 @22455 has 34 MA's), (123, 22533), (139, 22599), (152, 22656), (164, 22731), (191, 22875), (194, 22896), (197, 22923), (205, 22998), (218, 23049), (237, 23136), (239, 23154), (244, 23178), (291, 23418), (308, 23508), (341, 23688), (351, 23730), (360, 23796), (365, 23811), (368, 23835), (407, 23982), (419, 24012), (478, 24141), (514, 24234), (517, 24261), (522, 24285), (524, 24291),

Gene: MK4_31 Start: 22761, Stop: 24620, Start Num: 115

Candidate Starts for MK4_31:

(Start: 115 @22761 has 34 MA's), (135, 22887), (139, 22905), (142, 22920), (152, 22962), (161, 23025), (190, 23178), (191, 23181), (194, 23202), (197, 23229), (205, 23304), (218, 23355), (237, 23442), (239, 23460), (244, 23484), (268, 23622), (291, 23724), (305, 23781), (308, 23814), (326,

23907), (330, 23931), (351, 24036), (360, 24102), (365, 24117), (407, 24288), (454, 24393), (478, 24447), (498, 24486), (514, 24540), (517, 24567), (522, 24591),

Gene: MadMarie_33 Start: 23279, Stop: 25036, Start Num: 15

Candidate Starts for MadMarie_33:

(Start: 15 @23279 has 86 MA's), (38, 23414), (53, 23480), (62, 23525), (69, 23561), (99, 23693), (140, 23729), (207, 23750), (220, 23807), (234, 23867), (247, 23921), (257, 23981), (280, 24101), (281, 24104), (301, 24173), (304, 24197), (317, 24290), (321, 24311), (331, 24356), (402, 24686), (426, 24755), (454, 24818), (519, 24989),

Gene: Mainiac_33 Start: 23270, Stop: 25027, Start Num: 15

Candidate Starts for Mainiac_33:

(Start: 15 @23270 has 86 MA's), (38, 23405), (53, 23471), (62, 23516), (69, 23552), (99, 23684), (140, 23720), (207, 23741), (220, 23798), (234, 23858), (247, 23912), (257, 23972), (280, 24092), (281, 24095), (301, 24164), (304, 24188), (317, 24281), (321, 24302), (331, 24347), (402, 24677), (426, 24746), (454, 24809), (519, 24980),

Gene: MajorMajor_30 Start: 21646, Stop: 23397, Start Num: 22

Candidate Starts for MajorMajor_30:

(Start: 22 @21646 has 60 MA's), (27, 21667), (40, 21766), (44, 21781), (61, 21856), (71, 21916), (97, 22027), (127, 22060), (141, 22084), (142, 22090), (187, 22162), (214, 22237), (223, 22270), (228, 22300), (287, 22588), (309, 22708), (322, 22777), (370, 23008), (392, 23083), (395, 23095), (397, 23104), (408, 23143), (491, 23338), (501, 23365), (502, 23368), (505, 23380),

Gene: Malec_32 Start: 23029, Stop: 25110, Start Num: 21

Candidate Starts for Malec_32:

(Start: 21 @23029 has 44 MA's), (27, 23053), (38, 23143), (41, 23158), (63, 23257), (76, 23332), (88, 23380), (204, 23569), (213, 23608), (235, 23704), (283, 23953), (300, 24016), (307, 24061), (325, 24163), (354, 24301), (363, 24364), (369, 24394), (394, 24478), (423, 24568), (427, 24577), (432, 24592), (437, 24601), (506, 24775), (532, 24895), (534, 24934), (535, 24970), (536, 24994), (537, 25027), (538, 25096), (539, 25099),

Gene: Malinsilva_35 Start: 23269, Stop: 25026, Start Num: 15

Candidate Starts for Malinsilva_35:

(Start: 15 @23269 has 86 MA's), (38, 23404), (53, 23470), (62, 23515), (69, 23551), (99, 23683), (140, 23719), (207, 23740), (220, 23797), (234, 23857), (247, 23911), (257, 23971), (280, 24091), (281, 24094), (301, 24163), (304, 24187), (317, 24280), (321, 24301), (331, 24346), (402, 24676), (426, 24745), (454, 24808), (519, 24979),

Gene: Maminiaina_32 Start: 23915, Stop: 25681, Start Num: 18

Candidate Starts for Maminiaina_32:

(Start: 18 @23915 has 27 MA's), (49, 24080), (53, 24101), (67, 24167), (69, 24179), (71, 24191), (86, 24236), (88, 24245), (90, 24254), (130, 24314), (140, 24323), (183, 24347), (208, 24383), (228, 24476), (237, 24512), (239, 24530), (281, 24755), (286, 24776), (291, 24794), (308, 24884), (317, 24941), (326, 24977), (341, 25064), (365, 25187), (368, 25211), (372, 25226), (388, 25283), (418, 25385), (419, 25388), (458, 25478), (505, 25589), (524, 25664),

Gene: Manu_34 Start: 23361, Stop: 25169, Start Num: 15

Candidate Starts for Manu_34:

(Start: 15 @23361 has 86 MA's), (38, 23496), (53, 23562), (62, 23607), (69, 23643), (88, 23733), (95, 23757), (130, 23802), (182, 23832), (237, 24000), (239, 24018), (244, 24042), (272, 24204), (281, 24243), (291, 24282), (308, 24372), (339, 24534), (342, 24555), (358, 24642), (368, 24699), (372, 24714), (391, 24777), (410, 24852), (418, 24873), (458, 24966), (476, 25005), (496, 25047), (522,

25146),

Gene: MarQuardt_33 Start: 23278, Stop: 25035, Start Num: 15

Candidate Starts for MarQuardt_33:

(Start: 15 @23278 has 86 MA's), (38, 23413), (53, 23479), (62, 23524), (69, 23560), (99, 23692), (140, 23728), (207, 23749), (220, 23806), (234, 23866), (247, 23920), (257, 23980), (280, 24100), (281, 24103), (301, 24172), (304, 24196), (317, 24289), (321, 24310), (331, 24355), (402, 24685), (426, 24754), (454, 24817), (519, 24988),

Gene: Marchesa_31 Start: 22890, Stop: 24749, Start Num: 115

Candidate Starts for Marchesa_31:

(Start: 115 @22890 has 34 MA's), (135, 23016), (138, 23025), (152, 23091), (153, 23112), (161, 23154), (191, 23310), (197, 23358), (203, 23427), (205, 23433), (212, 23463), (237, 23571), (239, 23589), (244, 23613), (291, 23853), (308, 23943), (330, 24060), (351, 24165), (360, 24231), (365, 24246), (407, 24417), (454, 24522), (478, 24576), (498, 24615), (514, 24669), (517, 24696), (522, 24720),

Gene: Margo_32 Start: 23399, Stop: 25258, Start Num: 115

Candidate Starts for Margo_32:

(Start: 115 @23399 has 34 MA's), (139, 23543), (152, 23600), (153, 23621), (161, 23663), (165, 23681), (194, 23840), (197, 23867), (212, 23972), (218, 23993), (237, 24080), (244, 24122), (291, 24362), (308, 24452), (317, 24509), (351, 24674), (359, 24728), (360, 24740), (365, 24755), (398, 24884), (400, 24896), (419, 24956), (424, 24968), (447, 25013), (454, 25031), (514, 25178), (517, 25205), (524, 25235),

Gene: Marie_33 Start: 23276, Stop: 25033, Start Num: 15

Candidate Starts for Marie_33:

(Start: 15 @23276 has 86 MA's), (38, 23411), (53, 23477), (62, 23522), (69, 23558), (99, 23690), (140, 23726), (207, 23747), (220, 23804), (234, 23864), (247, 23918), (257, 23978), (280, 24098), (281, 24101), (301, 24170), (304, 24194), (317, 24287), (321, 24308), (331, 24353), (402, 24683), (426, 24752), (454, 24815), (519, 24986),

Gene: Marius_34 Start: 23361, Stop: 25169, Start Num: 15

Candidate Starts for Marius_34:

(Start: 15 @23361 has 86 MA's), (38, 23496), (53, 23562), (62, 23607), (69, 23643), (88, 23733), (95, 23757), (130, 23802), (182, 23832), (237, 24000), (239, 24018), (244, 24042), (272, 24204), (281, 24243), (291, 24282), (308, 24372), (339, 24534), (342, 24555), (358, 24642), (368, 24699), (372, 24714), (391, 24777), (410, 24852), (418, 24873), (458, 24966), (476, 25005), (496, 25047), (522, 25146),

Gene: Maverick_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Maverick_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (385, 24406), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Maxo_31 Start: 22958, Stop: 24814, Start Num: 16

Candidate Starts for Maxo_31:

(Start: 16 @22958 has 169 MA's), (38, 23084), (44, 23108), (66, 23213), (67, 23219), (74, 23267), (77, 23276), (87, 23318), (99, 23363), (124, 23369), (204, 23474), (208, 23486), (226, 23564), (239,

23633), (277, 23861), (284, 23885), (285, 23888), (292, 23915), (294, 23918), (310, 24023), (316, 24053), (318, 24068), (337, 24158), (344, 24197), (351, 24224), (355, 24242), (368, 24341), (422, 24527), (446, 24578), (467, 24632), (497, 24695), (500, 24704), (522, 24791),

Gene: Mayonnaise_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Mayonnaise_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (385, 24406), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Mazhar510_31 Start: 22961, Stop: 24817, Start Num: 16

Candidate Starts for Mazhar510_31:

(Start: 16 @22961 has 169 MA's), (38, 23087), (44, 23111), (66, 23216), (67, 23222), (74, 23270), (87, 23321), (99, 23366), (124, 23372), (204, 23477), (208, 23489), (226, 23567), (239, 23636), (277, 23864), (284, 23888), (285, 23891), (292, 23918), (294, 23921), (310, 24026), (314, 24047), (316, 24056), (337, 24161), (344, 24200), (355, 24245), (385, 24407), (388, 24413), (422, 24530), (425, 24536), (446, 24581), (465, 24632), (467, 24635), (497, 24698), (500, 24707), (522, 24794),

Gene: Medusa_31 Start: 22961, Stop: 24817, Start Num: 16

Candidate Starts for Medusa_31:

(Start: 16 @22961 has 169 MA's), (38, 23087), (44, 23111), (66, 23216), (67, 23222), (74, 23270), (77, 23279), (87, 23321), (99, 23366), (124, 23372), (204, 23477), (208, 23489), (226, 23567), (239, 23636), (277, 23864), (284, 23888), (285, 23891), (292, 23918), (294, 23921), (310, 24026), (316, 24056), (318, 24071), (337, 24161), (344, 24200), (355, 24245), (388, 24413), (422, 24530), (425, 24536), (446, 24581), (465, 24632), (467, 24635), (497, 24698), (500, 24707), (522, 24794),

Gene: MeeZee_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for MeeZee_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: MegTheThird_31 Start: 22321, Stop: 24066, Start Num: 21

Candidate Starts for MegTheThird_31:

(Start: 21 @22321 has 44 MA's), (48, 22477), (65, 22558), (76, 22624), (89, 22672), (98, 22696), (144, 22741), (181, 22771), (226, 22885), (258, 23062), (306, 23293), (309, 23332), (333, 23446), (363, 23605), (367, 23620), (416, 23806), (428, 23836), (462, 23917), (474, 23950), (503, 24022), (512, 24052), (513, 24055),

Gene: Melvin_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Melvin_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Methuselah_32 Start: 23360, Stop: 25111, Start Num: 15

Candidate Starts for Methuselah_32:

(Start: 15 @23360 has 86 MA's), (38, 23495), (51, 23552), (53, 23561), (62, 23606), (69, 23642), (94, 23753), (99, 23774), (140, 23810), (207, 23831), (234, 23948), (261, 24086), (280, 24182), (281, 24185), (301, 24254), (304, 24278), (309, 24323), (317, 24371), (331, 24437), (361, 24608), (364, 24614), (373, 24665), (388, 24710), (397, 24740), (410, 24788), (426, 24830), (431, 24845), (434, 24848), (446, 24872), (497, 24974), (498, 24977), (505, 25001),

Gene: Microwolf_33 Start: 23278, Stop: 25035, Start Num: 15

Candidate Starts for Microwolf_33:

(Start: 15 @23278 has 86 MA's), (38, 23413), (53, 23479), (62, 23524), (69, 23560), (99, 23692), (140, 23728), (207, 23749), (220, 23806), (234, 23866), (247, 23920), (257, 23980), (280, 24100), (281, 24103), (301, 24172), (304, 24196), (317, 24289), (321, 24310), (331, 24355), (402, 24685), (426, 24754), (454, 24817), (519, 24988),

Gene: MiculUcigas_31 Start: 22775, Stop: 24997, Start Num: 21

Candidate Starts for MiculUcigas_31:

(Start: 21 @22775 has 44 MA's), (38, 22889), (41, 22904), (95, 23150), (103, 23204), (128, 23315), (137, 23354), (155, 23450), (172, 23552), (237, 23801), (242, 23831), (244, 23843), (274, 24014), (291, 24083), (308, 24182), (329, 24293), (330, 24299), (331, 24305), (339, 24344), (350, 24401), (351, 24404), (360, 24470), (378, 24554), (400, 24626), (442, 24746), (494, 24857), (511, 24908), (514, 24920),

Gene: Miko_34 Start: 24326, Stop: 26263, Start Num: 21

Candidate Starts for Miko_34:

(Start: 21 @24326 has 44 MA's), (27, 24350), (38, 24440), (40, 24449), (53, 24506), (217, 25007), (237, 25097), (239, 25115), (244, 25139), (262, 25247), (281, 25340), (291, 25379), (308, 25469), (318, 25529), (339, 25631), (342, 25652), (368, 25796), (372, 25811), (418, 25967), (427, 25988), (458, 26060), (467, 26078), (487, 26120), (496, 26141), (514, 26201), (524, 26246),

Gene: Millski_30 Start: 22963, Stop: 24819, Start Num: 16

Candidate Starts for Millski_30:

(Start: 16 @22963 has 169 MA's), (38, 23089), (44, 23113), (66, 23218), (67, 23224), (74, 23272), (77, 23281), (87, 23323), (99, 23368), (124, 23374), (204, 23479), (208, 23491), (226, 23569), (239, 23638), (277, 23866), (284, 23890), (285, 23893), (292, 23920), (294, 23923), (310, 24028), (316, 24058), (318, 24073), (337, 24163), (344, 24202), (355, 24247), (388, 24415), (422, 24532), (425, 24538), (446, 24583), (465, 24634), (467, 24637), (497, 24700), (500, 24709), (522, 24796),

Gene: Minispark_29 Start: 22236, Stop: 23978, Start Num: 21

Candidate Starts for Minispark_29:

(Start: 21 @22236 has 44 MA's), (23, 22242), (40, 22359), (48, 22392), (71, 22509), (76, 22539), (89, 22587), (92, 22596), (93, 22599), (181, 22686), (206, 22731), (215, 22758), (231, 22833), (248, 22911), (258, 22977), (283, 23103), (367, 23535), (376, 23580), (413, 23712), (470, 23853), (474, 23865), (492, 23904), (512, 23967),

Gene: Miramae_31 Start: 22903, Stop: 24762, Start Num: 16

Candidate Starts for Miramae_31:

(Start: 16 @22903 has 169 MA's), (31, 22969), (44, 23053), (48, 23071), (58, 23116), (67, 23164), (77, 23221), (87, 23263), (124, 23314), (130, 23335), (147, 23368), (204, 23419), (208, 23431), (219, 23485), (226, 23509), (239, 23578), (277, 23806), (285, 23833), (292, 23860), (294, 23863), (310, 23971), (314, 23992), (316, 24001), (330, 24070), (337, 24106), (344, 24145), (357, 24214), (385, 24352), (422, 24475), (425, 24481), (497, 24643), (500, 24652),

Gene: Misomonster_35 Start: 23363, Stop: 25114, Start Num: 15

Candidate Starts for Misomonster_35:

(Start: 15 @23363 has 86 MA's), (38, 23498), (53, 23564), (62, 23609), (69, 23645), (94, 23756), (99, 23777), (140, 23813), (207, 23834), (234, 23951), (261, 24089), (280, 24185), (281, 24188), (301, 24257), (304, 24281), (309, 24326), (317, 24374), (331, 24440), (361, 24611), (364, 24617), (373, 24668), (388, 24713), (397, 24743), (410, 24791), (426, 24833), (431, 24848), (434, 24851), (446, 24875), (497, 24977), (498, 24980), (505, 25004),

Gene: MissWhite_31 Start: 21856, Stop: 23703, Start Num: 22

Candidate Starts for MissWhite_31:

(Start: 22 @21856 has 60 MA's), (27, 21877), (42, 21985), (67, 22102), (71, 22126), (145, 22306), (204, 22402), (221, 22474), (269, 22711), (287, 22795), (293, 22807), (297, 22828), (304, 22876), (309, 22921), (311, 22927), (313, 22942), (316, 22957), (322, 22990), (326, 23002), (338, 23053), (370, 23221), (383, 23266), (390, 23284), (474, 23512), (490, 23548), (502, 23581),

Gene: MoneyMay_33 Start: 23276, Stop: 25033, Start Num: 15

Candidate Starts for MoneyMay_33:

(Start: 15 @23276 has 86 MA's), (38, 23411), (53, 23477), (62, 23522), (69, 23558), (99, 23690), (140, 23726), (207, 23747), (220, 23804), (234, 23864), (247, 23918), (257, 23978), (280, 24098), (281, 24101), (301, 24170), (304, 24194), (317, 24287), (321, 24308), (331, 24353), (402, 24683), (426, 24752), (454, 24815), (519, 24986),

Gene: Montavir_32 Start: 23277, Stop: 25034, Start Num: 15

Candidate Starts for Montavir_32:

(Start: 15 @23277 has 86 MA's), (38, 23412), (53, 23478), (62, 23523), (69, 23559), (99, 23691), (140, 23727), (207, 23748), (220, 23805), (234, 23865), (247, 23919), (257, 23979), (280, 24099), (281, 24102), (301, 24171), (304, 24195), (317, 24288), (321, 24309), (331, 24354), (402, 24684), (426, 24753), (454, 24816), (519, 24987),

Gene: Morpher26_31 Start: 22972, Stop: 24831, Start Num: 16

Candidate Starts for Morpher26_31:

(12, 22912), (Start: 16 @22972 has 169 MA's), (31, 23038), (34, 23083), (36, 23089), (44, 23122), (48, 23140), (58, 23185), (60, 23191), (61, 23197), (77, 23290), (81, 23305), (99, 23377), (147, 23437), (204, 23488), (208, 23500), (226, 23578), (239, 23647), (259, 23770), (263, 23794), (277, 23875), (288, 23920), (292, 23929), (294, 23932), (314, 24061), (316, 24070), (324, 24112), (330, 24139), (337, 24175), (341, 24202), (344, 24214), (371, 24370), (422, 24544), (425, 24550), (446, 24595), (465, 24646), (467, 24649), (484, 24685), (500, 24721),

Gene: Morrow_31 Start: 22963, Stop: 24819, Start Num: 16

Candidate Starts for Morrow_31:

(Start: 16 @22963 has 169 MA's), (38, 23089), (44, 23113), (66, 23218), (67, 23224), (74, 23272), (77, 23281), (87, 23323), (99, 23368), (124, 23374), (208, 23491), (226, 23569), (239, 23638), (277, 23866), (284, 23890), (285, 23893), (294, 23923), (310, 24028), (316, 24058), (318, 24073), (337, 24163), (344, 24202), (351, 24229), (355, 24247), (368, 24346), (422, 24532), (446, 24583), (467, 24637), (497, 24700), (500, 24709), (522, 24796),

Gene: MuchMore_35 Start: 23269, Stop: 25026, Start Num: 15

Candidate Starts for MuchMore_35:

(Start: 15 @23269 has 86 MA's), (38, 23404), (53, 23470), (62, 23515), (69, 23551), (99, 23683), (140, 23719), (207, 23740), (220, 23797), (234, 23857), (247, 23911), (257, 23971), (280, 24091), (281, 24094), (301, 24163), (304, 24187), (317, 24280), (321, 24301), (331, 24346), (402, 24676), (426, 24745), (454, 24808), (519, 24979),

Gene: Mundrea_31 Start: 22930, Stop: 24786, Start Num: 16

Candidate Starts for Mundrea_31:

(Start: 16 @22930 has 169 MA's), (44, 23080), (48, 23098), (50, 23110), (58, 23143), (61, 23155), (77, 23248), (81, 23263), (147, 23395), (204, 23446), (208, 23458), (226, 23536), (239, 23605), (277, 23833), (292, 23887), (294, 23890), (310, 23995), (314, 24016), (316, 24025), (337, 24130), (371, 24325), (388, 24382), (422, 24499), (425, 24505), (500, 24676),

Gene: MyraDee_29 Start: 20768, Stop: 22630, Start Num: 16

Candidate Starts for MyraDee_29:

(Start: 16 @20768 has 169 MA's), (24, 20789), (28, 20810), (39, 20894), (Start: 46 @20924 has 1 MA's), (69, 21038), (82, 21101), (83, 21107), (95, 21152), (226, 21344), (236, 21392), (239, 21413), (259, 21536), (262, 21557), (266, 21581), (292, 21695), (294, 21698), (310, 21806), (314, 21827), (316, 21836), (330, 21905), (337, 21941), (348, 21998), (360, 22085), (362, 22091), (400, 22250), (411, 22289), (414, 22304), (419, 22313), (422, 22319), (450, 22382), (479, 22457), (486, 22472), (493, 22487), (527, 22607),

Gene: Myxus_33 Start: 24377, Stop: 26143, Start Num: 18

Candidate Starts for Myxus_33:

(Start: 18 @24377 has 27 MA's), (23, 24389), (53, 24563), (71, 24653), (86, 24698), (88, 24707), (140, 24785), (183, 24809), (208, 24845), (237, 24974), (239, 24992), (281, 25217), (286, 25238), (291, 25256), (308, 25346), (317, 25403), (341, 25526), (365, 25649), (372, 25688), (388, 25745), (410, 25826), (418, 25847), (419, 25850), (458, 25940), (505, 26051), (524, 26126),

Gene: NaSiaTalie_31 Start: 22773, Stop: 24995, Start Num: 21

Candidate Starts for NaSiaTalie_31:

(Start: 21 @22773 has 44 MA's), (38, 22887), (40, 22896), (41, 22902), (47, 22923), (54, 22959), (69, 23034), (88, 23124), (91, 23136), (128, 23313), (137, 23352), (155, 23448), (237, 23799), (242, 23829), (244, 23841), (274, 24012), (291, 24081), (308, 24180), (329, 24291), (330, 24297), (331, 24303), (339, 24342), (350, 24399), (351, 24402), (360, 24468), (378, 24552), (400, 24624), (446, 24750), (447, 24753), (494, 24855), (500, 24870), (514, 24918),

Gene: Naji_34 Start: 22559, Stop: 24412, Start Num: 22

Candidate Starts for Naji_34:

(Start: 19 @22553 has 5 MA's), (Start: 22 @22559 has 60 MA's), (40, 22679), (61, 22769), (71, 22829), (82, 22880), (127, 22973), (141, 22997), (142, 23003), (287, 23510), (303, 23579), (316, 23666), (334, 23747), (462, 24191), (466, 24206), (490, 24260), (500, 24284), (502, 24293), (512, 24329),

Gene: Nebs_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for Nebs_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (351, 24223), (355, 24241), (368, 24340), (422, 24526), (446, 24577), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: Nemo27_31 Start: 22959, Stop: 24815, Start Num: 16

Candidate Starts for Nemo27_31:

(Start: 16 @22959 has 169 MA's), (38, 23085), (44, 23109), (66, 23214), (67, 23220), (74, 23268), (77, 23277), (87, 23319), (99, 23364), (124, 23370), (204, 23475), (208, 23487), (226, 23565), (239, 23634), (277, 23862), (284, 23886), (285, 23889), (292, 23916), (294, 23919), (310, 24024), (314, 24045), (316, 24054), (337, 24159), (344, 24198), (355, 24243), (385, 24405), (388, 24411), (422, 24528), (425, 24534), (446, 24579), (465, 24630), (467, 24633), (497, 24696), (500, 24705), (522, 24792),

Gene: NicoleTera_35 Start: 24630, Stop: 26411, Start Num: 21

Candidate Starts for NicoleTera_35:

(Start: 21 @24630 has 44 MA's), (38, 24744), (40, 24753), (61, 24840), (210, 25128), (237, 25245), (239, 25263), (244, 25287), (281, 25488), (291, 25527), (339, 25779), (341, 25797), (360, 25905), (368, 25944), (372, 25959), (380, 25989), (418, 26115), (427, 26136), (458, 26208), (487, 26268), (496, 26289), (524, 26394),

Gene: Noella_32 Start: 23374, Stop: 25233, Start Num: 115

Candidate Starts for Noella_32:

(Start: 115 @23374 has 34 MA's), (139, 23518), (143, 23536), (152, 23575), (153, 23596), (161, 23638), (165, 23656), (194, 23815), (197, 23842), (212, 23947), (218, 23968), (237, 24055), (244, 24097), (291, 24337), (308, 24427), (317, 24484), (351, 24649), (359, 24703), (360, 24715), (365, 24730), (398, 24859), (400, 24871), (419, 24931), (424, 24943), (447, 24988), (454, 25006), (514, 25153), (517, 25180), (524, 25210),

Gene: Noelle_31 Start: 23041, Stop: 24900, Start Num: 16

Candidate Starts for Noelle_31:

(Start: 16 @23041 has 169 MA's), (45, 23194), (52, 23227), (53, 23233), (58, 23254), (61, 23266), (75, 23353), (81, 23374), (130, 23473), (204, 23557), (208, 23569), (223, 23635), (226, 23647), (239, 23716), (277, 23944), (288, 23989), (292, 23998), (294, 24001), (314, 24130), (316, 24139), (324, 24181), (330, 24208), (337, 24244), (341, 24271), (344, 24283), (351, 24310), (371, 24439), (388, 24496), (389, 24499), (422, 24613), (425, 24619), (454, 24685), (465, 24715), (498, 24784), (500, 24790),

Gene: Norbert_31 Start: 23373, Stop: 25232, Start Num: 115

Candidate Starts for Norbert_31:

(Start: 115 @23373 has 34 MA's), (139, 23517), (143, 23535), (152, 23574), (153, 23595), (161, 23637), (165, 23655), (194, 23814), (197, 23841), (212, 23946), (218, 23967), (237, 24054), (244, 24096), (291, 24336), (308, 24426), (317, 24483), (351, 24648), (359, 24702), (360, 24714), (365, 24729), (398, 24858), (400, 24870), (419, 24930), (424, 24942), (447, 24987), (454, 25005), (514, 25152), (517, 25179), (524, 25209),

Gene: NorthStar_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for NorthStar_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (219, 23542), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Northrop_31 Start: 22956, Stop: 24812, Start Num: 16

Candidate Starts for Northrop_31:

(Start: 16 @22956 has 169 MA's), (38, 23082), (44, 23106), (66, 23211), (67, 23217), (74, 23265), (77, 23274), (87, 23316), (99, 23361), (124, 23367), (204, 23472), (208, 23484), (226, 23562), (239, 23631), (277, 23859), (284, 23883), (285, 23886), (292, 23913), (294, 23916), (310, 24021), (314, 24042), (316, 24051), (337, 24156), (344, 24195), (355, 24240), (388, 24408), (422, 24525), (425, 24531), (446, 24576), (465, 24627), (467, 24630), (497, 24693), (500, 24702), (522, 24789),

Gene: NotAPhaseMom_31 Start: 22964, Stop: 24820, Start Num: 16

Candidate Starts for NotAPhaseMom_31:

(Start: 16 @22964 has 169 MA's), (38, 23090), (44, 23114), (66, 23219), (67, 23225), (74, 23273), (77, 23282), (87, 23324), (99, 23369), (124, 23375), (204, 23480), (208, 23492), (226, 23570), (239, 23639), (277, 23867), (284, 23891), (285, 23894), (292, 23921), (294, 23924), (310, 24029), (314,

24050), (316, 24059), (337, 24164), (344, 24203), (355, 24248), (385, 24410), (388, 24416), (422, 24533), (425, 24539), (446, 24584), (465, 24635), (497, 24701), (500, 24710), (522, 24797),

Gene: NothingSpecial_33 Start: 24784, Stop: 26571, Start Num: 22

Candidate Starts for NothingSpecial_33:

(Start: 22 @24784 has 60 MA's), (27, 24805), (35, 24883), (38, 24895), (39, 24898), (40, 24904), (41, 24910), (57, 24979), (71, 25057), (187, 25246), (237, 25402), (239, 25420), (244, 25444), (281, 25645), (308, 25774), (312, 25795), (317, 25831), (331, 25897), (342, 25957), (372, 26116), (373, 26122), (391, 26179), (393, 26191), (418, 26275), (458, 26368), (476, 26407), (496, 26449), (513, 26503), (520, 26539),

Gene: Nyxis_31 Start: 22903, Stop: 24762, Start Num: 16

Candidate Starts for Nyxis_31:

(Start: 16 @22903 has 169 MA's), (38, 23029), (44, 23053), (66, 23158), (67, 23164), (74, 23212), (77, 23221), (87, 23263), (99, 23308), (124, 23314), (208, 23431), (226, 23509), (239, 23578), (292, 23860), (294, 23863), (310, 23968), (316, 23998), (337, 24103), (344, 24142), (351, 24169), (355, 24187), (425, 24478), (458, 24556), (463, 24568), (465, 24574), (484, 24613), (497, 24640), (499, 24646), (500, 24649), (522, 24739),

Gene: OKCentral2016_32 Start: 22976, Stop: 24811, Start Num: 16

Candidate Starts for OKCentral2016_32:

(Start: 16 @22976 has 169 MA's), (25, 23009), (29, 23024), (88, 23336), (95, 23360), (99, 23378), (100, 23381), (101, 23384), (102, 23405), (104, 23432), (237, 23645), (239, 23663), (244, 23687), (267, 23822), (270, 23831), (291, 23927), (305, 23984), (308, 24017), (329, 24128), (341, 24197), (360, 24305), (365, 24320), (372, 24359), (373, 24365), (393, 24431), (410, 24494), (418, 24515), (419, 24518), (422, 24524), (427, 24536), (453, 24593), (458, 24608), (463, 24617), (488, 24671), (496, 24689), (514, 24749), (524, 24794), (525, 24797),

Gene: OKaNui_32 Start: 23013, Stop: 24869, Start Num: 16

Candidate Starts for OKaNui_32:

(Start: 16 @23013 has 169 MA's), (38, 23139), (44, 23163), (66, 23268), (67, 23274), (74, 23322), (77, 23331), (87, 23373), (99, 23418), (124, 23424), (204, 23529), (208, 23541), (219, 23595), (226, 23619), (239, 23688), (266, 23856), (277, 23916), (284, 23940), (285, 23943), (288, 23961), (292, 23970), (294, 23973), (310, 24078), (316, 24108), (318, 24123), (337, 24213), (344, 24252), (355, 24297), (388, 24465), (422, 24582), (425, 24588), (446, 24633), (465, 24684), (467, 24687), (497, 24750), (500, 24759), (522, 24846),

Gene: Obama12_32 Start: 23276, Stop: 25132, Start Num: 16

Candidate Starts for Obama12_32:

(Start: 16 @23276 has 169 MA's), (38, 23402), (44, 23426), (66, 23531), (67, 23537), (74, 23585), (87, 23636), (124, 23687), (204, 23792), (208, 23804), (226, 23882), (239, 23951), (266, 24119), (271, 24149), (277, 24179), (284, 24203), (285, 24206), (292, 24233), (294, 24236), (310, 24341), (314, 24362), (316, 24371), (344, 24515), (355, 24560), (385, 24722), (422, 24845), (446, 24896), (497, 25013), (500, 25022), (522, 25109),

Gene: Odin_30 Start: 21523, Stop: 23199, Start Num: 22

Candidate Starts for Odin_30:

(Start: 19 @21517 has 5 MA's), (Start: 22 @21523 has 60 MA's), (40, 21643), (48, 21676), (49, 21679), (54, 21706), (71, 21793), (127, 21880), (201, 21982), (249, 22204), (287, 22390), (309, 22510), (370, 22810), (392, 22885), (397, 22906), (408, 22945), (448, 23035), (491, 23140), (501, 23167), (502, 23170), (505, 23182),

Gene: Ohfah_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for Ohfah_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (351, 24223), (355, 24241), (368, 24340), (422, 24526), (446, 24577), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: OlanP_33 Start: 23541, Stop: 25349, Start Num: 15

Candidate Starts for OlanP_33:

(Start: 15 @23541 has 86 MA's), (38, 23676), (53, 23742), (62, 23787), (69, 23823), (88, 23913), (95, 23937), (130, 23982), (182, 24012), (237, 24180), (239, 24198), (244, 24222), (272, 24384), (281, 24423), (291, 24462), (305, 24519), (308, 24552), (339, 24714), (342, 24735), (358, 24822), (368, 24879), (372, 24894), (391, 24957), (410, 25032), (418, 25053), (458, 25146), (476, 25185), (496, 25227), (522, 25326),

Gene: Ollie_33 Start: 23147, Stop: 24904, Start Num: 15

Candidate Starts for Ollie_33:

(Start: 15 @23147 has 86 MA's), (38, 23282), (53, 23348), (62, 23393), (69, 23429), (99, 23561), (140, 23597), (207, 23618), (220, 23675), (234, 23735), (247, 23789), (257, 23849), (280, 23969), (281, 23972), (301, 24041), (304, 24065), (317, 24158), (321, 24179), (331, 24224), (402, 24554), (426, 24623), (454, 24686), (519, 24857),

Gene: Onglai_32 Start: 22711, Stop: 24477, Start Num: 18

Candidate Starts for Onglai_32:

(Start: 18 @22711 has 27 MA's), (23, 22723), (53, 22897), (71, 22987), (86, 23032), (88, 23041), (140, 23119), (183, 23143), (208, 23179), (237, 23308), (239, 23326), (281, 23551), (286, 23572), (291, 23590), (308, 23680), (317, 23737), (341, 23860), (365, 23983), (372, 24022), (388, 24079), (410, 24160), (418, 24181), (419, 24184), (453, 24259), (458, 24274), (505, 24385), (524, 24460),

Gene: P28Green_33 Start: 23278, Stop: 25035, Start Num: 15

Candidate Starts for P28Green_33:

(Start: 15 @23278 has 86 MA's), (38, 23413), (53, 23479), (62, 23524), (69, 23560), (99, 23692), (140, 23728), (207, 23749), (220, 23806), (234, 23866), (247, 23920), (257, 23980), (280, 24100), (281, 24103), (301, 24172), (304, 24196), (317, 24289), (321, 24310), (331, 24355), (402, 24685), (426, 24754), (454, 24817), (519, 24988),

Gene: PGHhamlin_35 Start: 23269, Stop: 25026, Start Num: 15

Candidate Starts for PGHhamlin_35:

(Start: 15 @23269 has 86 MA's), (38, 23404), (53, 23470), (62, 23515), (69, 23551), (99, 23683), (140, 23719), (207, 23740), (220, 23797), (234, 23857), (247, 23911), (257, 23971), (280, 24091), (281, 24094), (301, 24163), (304, 24187), (317, 24280), (321, 24301), (331, 24346), (402, 24676), (426, 24745), (454, 24808), (519, 24979),

Gene: PackMan_33 Start: 24377, Stop: 26143, Start Num: 18

Candidate Starts for PackMan_33:

(Start: 18 @24377 has 27 MA's), (23, 24389), (53, 24563), (71, 24653), (86, 24698), (88, 24707), (140, 24785), (183, 24809), (208, 24845), (237, 24974), (239, 24992), (281, 25217), (286, 25238), (291, 25256), (308, 25346), (317, 25403), (341, 25526), (365, 25649), (372, 25688), (388, 25745), (410, 25826), (418, 25847), (419, 25850), (458, 25940), (505, 26051), (524, 26126),

Gene: Palestino_30 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Palestino_30:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (91, 23335), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Panamaxus_31 Start: 23373, Stop: 25232, Start Num: 115

Candidate Starts for Panamaxus_31:

(Start: 115 @23373 has 34 MA's), (139, 23517), (143, 23535), (152, 23574), (153, 23595), (161, 23637), (165, 23655), (194, 23814), (197, 23841), (212, 23946), (218, 23967), (237, 24054), (244, 24096), (291, 24336), (308, 24426), (317, 24483), (351, 24648), (359, 24702), (360, 24714), (365, 24729), (398, 24858), (400, 24870), (419, 24930), (424, 24942), (447, 24987), (454, 25005), (514, 25152), (517, 25179), (524, 25209),

Gene: Pawn_33 Start: 23361, Stop: 25169, Start Num: 15

Candidate Starts for Pawn_33:

(Start: 15 @23361 has 86 MA's), (38, 23496), (53, 23562), (62, 23607), (69, 23643), (88, 23733), (95, 23757), (130, 23802), (182, 23832), (237, 24000), (239, 24018), (244, 24042), (272, 24204), (281, 24243), (291, 24282), (308, 24372), (339, 24534), (342, 24555), (358, 24642), (368, 24699), (372, 24714), (391, 24777), (410, 24852), (418, 24873), (458, 24966), (476, 25005), (496, 25047), (522, 25146),

Gene: PeaceMeal1_31 Start: 21407, Stop: 23689, Start Num: 16

Candidate Starts for PeaceMeal1_31:

(Start: 16 @21407 has 169 MA's), (25, 21440), (36, 21524), (52, 21590), (77, 21722), (102, 21836), (103, 21845), (109, 21929), (120, 22004), (135, 22082), (152, 22157), (166, 22247), (202, 22373), (217, 22430), (237, 22520), (239, 22538), (244, 22562), (281, 22763), (291, 22802), (308, 22892), (317, 22949), (339, 23054), (342, 23075), (344, 23084), (348, 23102), (351, 23114), (360, 23180), (368, 23219), (372, 23234), (373, 23240), (382, 23273), (410, 23372), (418, 23393), (419, 23396), (446, 23453), (453, 23471), (454, 23474), (458, 23486), (476, 23525), (496, 23567), (497, 23570), (524, 23672),

Gene: Peaches_31 Start: 22959, Stop: 24815, Start Num: 16

Candidate Starts for Peaches_31:

(Start: 16 @22959 has 169 MA's), (38, 23085), (44, 23109), (66, 23214), (67, 23220), (74, 23268), (77, 23277), (87, 23319), (99, 23364), (124, 23370), (204, 23475), (208, 23487), (226, 23565), (239, 23634), (277, 23862), (284, 23886), (285, 23889), (292, 23916), (294, 23919), (310, 24024), (316, 24054), (318, 24069), (337, 24159), (344, 24198), (355, 24243), (388, 24411), (422, 24528), (425, 24534), (446, 24579), (465, 24630), (467, 24633), (497, 24696), (500, 24705), (522, 24792),

Gene: Pembroke_33 Start: 23278, Stop: 25035, Start Num: 15

Candidate Starts for Pembroke_33:

(Start: 15 @23278 has 86 MA's), (38, 23413), (53, 23479), (62, 23524), (69, 23560), (99, 23692), (140, 23728), (207, 23749), (220, 23806), (234, 23866), (247, 23920), (257, 23980), (280, 24100), (281, 24103), (301, 24172), (304, 24196), (317, 24289), (321, 24310), (331, 24355), (402, 24685), (426, 24754), (454, 24817), (519, 24988),

Gene: Penny1_33 Start: 23277, Stop: 25034, Start Num: 15

Candidate Starts for Penny1_33:

(Start: 15 @23277 has 86 MA's), (38, 23412), (53, 23478), (62, 23523), (69, 23559), (99, 23691), (140, 23727), (207, 23748), (220, 23805), (234, 23865), (247, 23919), (257, 23979), (280, 24099), (281, 24102), (301, 24171), (304, 24195), (317, 24288), (321, 24309), (331, 24354), (402, 24684), (426, 24753), (454, 24816), (519, 24987),

Gene: Perplexer_31 Start: 22969, Stop: 24828, Start Num: 16

Candidate Starts for Perplexer_31:

(12, 22909), (Start: 16 @22969 has 169 MA's), (31, 23035), (34, 23080), (36, 23086), (44, 23119), (48, 23137), (58, 23182), (60, 23188), (61, 23194), (77, 23287), (81, 23302), (99, 23374), (147, 23434), (204, 23485), (208, 23497), (226, 23575), (239, 23644), (259, 23767), (263, 23791), (277, 23872), (288, 23917), (292, 23926), (294, 23929), (314, 24058), (316, 24067), (324, 24109), (330, 24136), (337, 24172), (341, 24199), (344, 24211), (371, 24367), (422, 24541), (425, 24547), (446, 24592), (465, 24643), (467, 24646), (484, 24682), (500, 24718),

Gene: PeterPeter_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for PeterPeter_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (385, 24406), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: PetiteSangsue_31 Start: 22972, Stop: 24831, Start Num: 16

Candidate Starts for PetiteSangsue_31:

(12, 22912), (Start: 16 @22972 has 169 MA's), (31, 23038), (34, 23083), (36, 23089), (44, 23122), (48, 23140), (58, 23185), (60, 23191), (61, 23197), (77, 23290), (81, 23305), (99, 23377), (147, 23437), (204, 23488), (208, 23500), (226, 23578), (239, 23647), (259, 23770), (263, 23794), (277, 23875), (288, 23920), (292, 23929), (294, 23932), (314, 24061), (316, 24070), (324, 24112), (330, 24139), (337, 24175), (341, 24202), (344, 24214), (371, 24370), (422, 24544), (425, 24550), (446, 24595), (465, 24646), (467, 24649), (484, 24685), (500, 24721),

Gene: Ph8s_32 Start: 21442, Stop: 23091, Start Num: 22

Candidate Starts for Ph8s_32:

(Start: 22 @21442 has 60 MA's), (38, 21553), (47, 21589), (67, 21688), (71, 21712), (141, 21880), (142, 21886), (309, 22504), (315, 22531), (326, 22585), (346, 22678), (354, 22708), (370, 22804), (392, 22876), (417, 22963), (425, 22972), (448, 23020),

Gene: Phacado_31 Start: 22959, Stop: 24815, Start Num: 16

Candidate Starts for Phacado_31:

(Start: 16 @22959 has 169 MA's), (38, 23085), (44, 23109), (66, 23214), (67, 23220), (74, 23268), (77, 23277), (87, 23319), (99, 23364), (124, 23370), (204, 23475), (208, 23487), (226, 23565), (239, 23634), (277, 23862), (284, 23886), (285, 23889), (292, 23916), (294, 23919), (310, 24024), (314, 24045), (316, 24054), (337, 24159), (344, 24198), (355, 24243), (385, 24405), (388, 24411), (422, 24528), (425, 24534), (446, 24579), (465, 24630), (467, 24633), (497, 24696), (500, 24705), (522, 24792),

Gene: Phaded_35 Start: 25217, Stop: 26992, Start Num: 16

Candidate Starts for Phaded_35:

(14, 25178), (Start: 16 @25217 has 169 MA's), (38, 25328), (40, 25337), (54, 25394), (61, 25421), (77, 25514), (124, 25607), (130, 25628), (140, 25637), (182, 25658), (187, 25670), (229, 25793), (237, 25826), (239, 25844), (244, 25868), (264, 25982), (281, 26069), (291, 26108), (295, 26120), (305, 26165), (339, 26360), (342, 26381), (372, 26540), (373, 26546), (393, 26612), (410, 26675), (418, 26696), (458, 26789), (496, 26870), (505, 26900), (514, 26930), (524, 26975),

Gene: Phaeder_33 Start: 24377, Stop: 26143, Start Num: 18

Candidate Starts for Phaeder_33:

(Start: 18 @24377 has 27 MA's), (23, 24389), (53, 24563), (71, 24653), (86, 24698), (88, 24707), (140, 24785), (183, 24809), (208, 24845), (237, 24974), (239, 24992), (281, 25217), (286, 25238), (291, 25256), (308, 25346), (317, 25403), (341, 25526), (365, 25649), (372, 25688), (388, 25745), (410, 25826), (418, 25847), (419, 25850), (458, 25940), (505, 26051), (524, 26126),

Gene: Phantastic_31 Start: 22796, Stop: 24658, Start Num: 113

Candidate Starts for Phantastic_31:

(Start: 113 @22796 has 1 MA's), (152, 23000), (156, 23033), (180, 23171), (185, 23195), (189, 23213), (212, 23372), (237, 23480), (241, 23501), (244, 23522), (291, 23762), (305, 23819), (308, 23852), (341, 24032), (351, 24074), (360, 24140), (365, 24155), (407, 24326), (424, 24368), (454, 24431), (478, 24485), (481, 24488), (498, 24524), (514, 24578), (517, 24605), (522, 24629),

Gene: Phelipe_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Phelipe_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Phighter1804_31 Start: 22935, Stop: 24791, Start Num: 16

Candidate Starts for Phighter1804_31:

(Start: 16 @22935 has 169 MA's), (38, 23061), (44, 23085), (66, 23190), (67, 23196), (74, 23244), (77, 23253), (87, 23295), (99, 23340), (124, 23346), (204, 23451), (208, 23463), (222, 23526), (226, 23541), (239, 23610), (266, 23778), (277, 23838), (285, 23865), (292, 23892), (294, 23895), (310, 24000), (314, 24021), (316, 24030), (337, 24135), (355, 24219), (368, 24318), (422, 24504), (425, 24510), (446, 24555), (465, 24606), (467, 24609), (497, 24672), (500, 24681), (522, 24768),

Gene: PhishRPhriends_32 Start: 22545, Stop: 24353, Start Num: 15

Candidate Starts for PhishRPhriends_32:

(Start: 15 @22545 has 86 MA's), (38, 22680), (53, 22746), (62, 22791), (69, 22827), (88, 22917), (95, 22941), (130, 22986), (182, 23016), (237, 23184), (239, 23202), (244, 23226), (272, 23388), (281, 23427), (291, 23466), (308, 23556), (339, 23718), (342, 23739), (358, 23826), (372, 23898), (391, 23961), (410, 24036), (418, 24057), (458, 24150), (476, 24189), (496, 24231), (522, 24330),

Gene: Phoebe_33 Start: 23275, Stop: 25032, Start Num: 15

Candidate Starts for Phoebe_33:

(Start: 15 @23275 has 86 MA's), (38, 23410), (53, 23476), (62, 23521), (69, 23557), (99, 23689), (140, 23725), (207, 23746), (220, 23803), (234, 23863), (247, 23917), (257, 23977), (280, 24097), (281, 24100), (301, 24169), (304, 24193), (317, 24286), (321, 24307), (331, 24352), (402, 24682), (426, 24751), (454, 24814), (519, 24985),

Gene: Phonnegut_33 Start: 24410, Stop: 26176, Start Num: 18

Candidate Starts for Phonnegut_33:

(Start: 18 @24410 has 27 MA's), (23, 24422), (53, 24596), (71, 24686), (86, 24731), (88, 24740), (140, 24818), (183, 24842), (208, 24878), (237, 25007), (239, 25025), (281, 25250), (286, 25271), (291, 25289), (308, 25379), (317, 25436), (341, 25559), (365, 25682), (372, 25721), (388, 25778), (410, 25859), (418, 25880), (419, 25883), (453, 25958), (458, 25973), (505, 26084), (524, 26159),

Gene: Phontbonne_31 Start: 22904, Stop: 24763, Start Num: 16

Candidate Starts for Phontbonne_31:

(Start: 16 @22904 has 169 MA's), (38, 23030), (44, 23054), (66, 23159), (67, 23165), (74, 23213), (77, 23222), (87, 23264), (99, 23309), (124, 23315), (208, 23432), (226, 23510), (239, 23579), (292,

23861), (294, 23864), (310, 23969), (316, 23999), (337, 24104), (344, 24143), (351, 24170), (355, 24188), (425, 24479), (458, 24557), (463, 24569), (465, 24575), (484, 24614), (497, 24641), (499, 24647), (522, 24740),

Gene: Phoxy_33 Start: 23361, Stop: 25112, Start Num: 15

Candidate Starts for Phoxy_33:

(Start: 15 @23361 has 86 MA's), (38, 23496), (53, 23562), (62, 23607), (69, 23643), (94, 23754), (99, 23775), (140, 23811), (207, 23832), (234, 23949), (261, 24087), (280, 24183), (281, 24186), (301, 24255), (304, 24279), (309, 24324), (317, 24372), (331, 24438), (361, 24609), (364, 24615), (373, 24666), (388, 24711), (397, 24741), (410, 24789), (426, 24831), (431, 24846), (434, 24849), (446, 24873), (497, 24975), (498, 24978), (505, 25002),

Gene: Phranny_34 Start: 23353, Stop: 25161, Start Num: 15

Candidate Starts for Phranny_34:

(Start: 15 @23353 has 86 MA's), (38, 23488), (53, 23554), (62, 23599), (63, 23602), (95, 23749), (130, 23794), (182, 23824), (237, 23992), (239, 24010), (244, 24034), (272, 24196), (281, 24235), (291, 24274), (308, 24364), (339, 24526), (342, 24547), (358, 24634), (372, 24706), (391, 24769), (410, 24844), (418, 24865), (458, 24958), (476, 24997), (496, 25039), (522, 25138),

Gene: Pioneer_33 Start: 24410, Stop: 26176, Start Num: 18

Candidate Starts for Pioneer_33:

(Start: 18 @24410 has 27 MA's), (23, 24422), (53, 24596), (71, 24686), (86, 24731), (88, 24740), (140, 24818), (183, 24842), (208, 24878), (237, 25007), (239, 25025), (281, 25250), (286, 25271), (291, 25289), (308, 25379), (317, 25436), (341, 25559), (365, 25682), (372, 25721), (388, 25778), (410, 25859), (418, 25880), (419, 25883), (453, 25958), (458, 25973), (505, 26084), (524, 26159),

Gene: Pipcraft_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Pipcraft_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Piro94_32 Start: 23234, Stop: 25318, Start Num: 21

Candidate Starts for Piro94_32:

(Start: 21 @23234 has 44 MA's), (38, 23348), (41, 23363), (63, 23462), (88, 23585), (91, 23597), (100, 23630), (128, 23774), (133, 23795), (155, 23909), (160, 23945), (237, 24146), (239, 24164), (244, 24188), (261, 24287), (281, 24389), (291, 24428), (295, 24440), (308, 24518), (330, 24635), (331, 24641), (342, 24701), (360, 24806), (365, 24821), (400, 24962), (401, 24965), (418, 25016), (424, 25031), (435, 25055), (457, 25109), (465, 25133), (509, 25238), (525, 25304),

Gene: Pistachio_32 Start: 22385, Stop: 24244, Start Num: 115

Candidate Starts for Pistachio_32:

(Start: 115 @22385 has 34 MA's), (139, 22529), (142, 22544), (152, 22586), (173, 22709), (180, 22757), (189, 22799), (191, 22805), (194, 22826), (237, 23066), (242, 23096), (251, 23144), (272, 23270), (281, 23309), (291, 23348), (305, 23405), (308, 23438), (339, 23600), (340, 23603), (351, 23660), (360, 23726), (365, 23741), (419, 23942), (476, 24068), (478, 24071), (511, 24152), (514, 24164), (517, 24191), (524, 24221),

Gene: Pocahontas_32 Start: 23370, Stop: 25229, Start Num: 115

Candidate Starts for Pocahontas_32:

(Start: 115 @23370 has 34 MA's), (139, 23514), (143, 23532), (152, 23571), (153, 23592), (161, 23634), (165, 23652), (194, 23811), (197, 23838), (212, 23943), (218, 23964), (237, 24051), (244, 24093), (291, 24333), (308, 24423), (317, 24480), (351, 24645), (359, 24699), (360, 24711), (365, 24726), (398, 24855), (400, 24867), (419, 24927), (424, 24939), (447, 24984), (454, 25002), (514, 25149), (517, 25176), (524, 25206),

Gene: Polymorphads_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for Polymorphads_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (351, 24223), (355, 24241), (368, 24340), (422, 24526), (446, 24577), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: Pomar16_34 Start: 22600, Stop: 24453, Start Num: 22

Candidate Starts for Pomar16_34:

(Start: 19 @22594 has 5 MA's), (Start: 22 @22600 has 60 MA's), (40, 22720), (61, 22810), (71, 22870), (74, 22894), (82, 22921), (127, 23014), (141, 23038), (142, 23044), (287, 23551), (303, 23620), (334, 23788), (370, 23971), (462, 24232), (466, 24247), (490, 24301), (494, 24310), (500, 24325), (502, 24334), (512, 24370),

Gene: Poompha_31 Start: 21405, Stop: 23687, Start Num: 16

Candidate Starts for Poompha_31:

(Start: 16 @21405 has 169 MA's), (25, 21438), (36, 21522), (52, 21588), (69, 21675), (77, 21720), (102, 21834), (103, 21843), (109, 21927), (120, 22002), (135, 22080), (152, 22155), (202, 22371), (217, 22428), (237, 22518), (239, 22536), (244, 22560), (246, 22569), (281, 22761), (291, 22800), (308, 22890), (317, 22947), (339, 23052), (344, 23082), (348, 23100), (351, 23112), (368, 23217), (372, 23232), (373, 23238), (382, 23271), (410, 23370), (418, 23391), (419, 23394), (446, 23451), (453, 23469), (454, 23472), (458, 23484), (476, 23523), (496, 23565), (497, 23568), (524, 23670),

Gene: Popcicle_32 Start: 23370, Stop: 25229, Start Num: 115

Candidate Starts for Popcicle_32:

(Start: 115 @23370 has 34 MA's), (139, 23514), (143, 23532), (152, 23571), (153, 23592), (161, 23634), (165, 23652), (194, 23811), (197, 23838), (212, 23943), (218, 23964), (237, 24051), (244, 24093), (291, 24333), (308, 24423), (317, 24480), (351, 24645), (359, 24699), (360, 24711), (365, 24726), (398, 24855), (400, 24867), (419, 24927), (424, 24939), (447, 24984), (454, 25002), (514, 25149), (517, 25176), (524, 25206),

Gene: PotatoSplit_34 Start: 23277, Stop: 25034, Start Num: 15

Candidate Starts for PotatoSplit_34:

(Start: 15 @23277 has 86 MA's), (38, 23412), (53, 23478), (62, 23523), (69, 23559), (99, 23691), (140, 23727), (207, 23748), (220, 23805), (234, 23865), (247, 23919), (257, 23979), (280, 24099), (281, 24102), (301, 24171), (304, 24195), (317, 24288), (321, 24309), (331, 24354), (402, 24684), (426, 24753), (454, 24816), (519, 24987),

Gene: Power_31 Start: 22692, Stop: 24893, Start Num: 22

Candidate Starts for Power_31:

(Start: 22 @22692 has 60 MA's), (27, 22713), (40, 22812), (41, 22818), (48, 22845), (49, 22848), (61, 22902), (67, 22938), (88, 23040), (128, 23229), (154, 23361), (155, 23364), (169, 23442), (237, 23718), (239, 23736), (244, 23760), (281, 23961), (291, 24000), (308, 24090), (317, 24147), (330, 24207), (339, 24252), (342, 24273), (360, 24378), (365, 24393), (368, 24417), (378, 24462), (389, 24489), (400, 24534), (419, 24594), (429, 24618), (500, 24768), (514, 24816), (516, 24840),

Gene: Priya_33 Start: 24444, Stop: 26210, Start Num: 18

Candidate Starts for Priya_33:

(Start: 18 @24444 has 27 MA's), (53, 24630), (71, 24720), (86, 24765), (88, 24774), (140, 24852), (183, 24876), (208, 24912), (237, 25041), (239, 25059), (281, 25284), (286, 25305), (291, 25323), (308, 25413), (317, 25470), (341, 25593), (365, 25716), (372, 25755), (388, 25812), (410, 25893), (418, 25914), (419, 25917), (458, 26007), (505, 26118), (524, 26193),

Gene: Prudy_34 Start: 25130, Stop: 26905, Start Num: 22

Candidate Starts for Prudy_34:

(11, 25031), (Start: 22 @25130 has 60 MA's), (38, 25241), (40, 25250), (67, 25370), (69, 25382), (71, 25394), (95, 25496), (187, 25583), (227, 25688), (229, 25706), (237, 25739), (239, 25757), (244, 25781), (281, 25982), (291, 26021), (305, 26078), (308, 26111), (313, 26141), (341, 26291), (360, 26399), (365, 26414), (372, 26453), (418, 26609), (427, 26630), (458, 26702), (496, 26783), (514, 26843), (524, 26888),

Gene: Pukovnik_33 Start: 24251, Stop: 26089, Start Num: 22

Candidate Starts for Pukovnik_33:

(Start: 22 @24251 has 60 MA's), (27, 24272), (38, 24362), (40, 24371), (54, 24428), (61, 24455), (77, 24548), (88, 24593), (146, 24689), (239, 24905), (259, 25028), (260, 25037), (277, 25133), (292, 25187), (294, 25190), (310, 25298), (316, 25328), (330, 25397), (337, 25433), (340, 25445), (344, 25472), (422, 25802), (446, 25853), (458, 25886), (465, 25904), (467, 25907), (497, 25970),

Gene: Pumbaa_31 Start: 22935, Stop: 24791, Start Num: 16

Candidate Starts for Pumbaa_31:

(Start: 16 @22935 has 169 MA's), (38, 23061), (44, 23085), (67, 23196), (74, 23244), (76, 23250), (77, 23253), (87, 23295), (124, 23346), (204, 23451), (208, 23463), (226, 23541), (239, 23610), (266, 23778), (271, 23808), (277, 23838), (285, 23865), (292, 23892), (294, 23895), (310, 24000), (314, 24021), (316, 24030), (337, 24135), (344, 24174), (351, 24201), (355, 24219), (356, 24222), (371, 24330), (388, 24387), (422, 24504), (425, 24510), (497, 24672), (500, 24681),

Gene: Puppy_32 Start: 22455, Stop: 24314, Start Num: 115

Candidate Starts for Puppy_32:

(Start: 115 @22455 has 34 MA's), (139, 22599), (142, 22614), (152, 22656), (173, 22779), (180, 22827), (189, 22869), (191, 22875), (194, 22896), (237, 23136), (242, 23166), (251, 23214), (272, 23340), (281, 23379), (291, 23418), (305, 23475), (308, 23508), (339, 23670), (340, 23673), (351, 23730), (360, 23796), (365, 23811), (419, 24012), (476, 24138), (478, 24141), (511, 24222), (514, 24234), (517, 24261), (524, 24291),

Gene: PurpleHaze_33 Start: 23360, Stop: 25168, Start Num: 15

Candidate Starts for PurpleHaze_33:

(Start: 15 @23360 has 86 MA's), (38, 23495), (53, 23561), (62, 23606), (69, 23642), (88, 23732), (95, 23756), (130, 23801), (182, 23831), (237, 23999), (239, 24017), (244, 24041), (272, 24203), (281, 24242), (291, 24281), (308, 24371), (339, 24533), (342, 24554), (358, 24641), (368, 24698), (372, 24713), (391, 24776), (410, 24851), (418, 24872), (458, 24965), (476, 25004), (496, 25046), (522, 25145),

Gene: Qobbit_33 Start: 24407, Stop: 26173, Start Num: 18

Candidate Starts for Qobbit_33:

(Start: 18 @24407 has 27 MA's), (53, 24593), (71, 24683), (86, 24728), (88, 24737), (140, 24815), (183, 24839), (208, 24875), (237, 25004), (239, 25022), (281, 25247), (286, 25268), (291, 25286), (308, 25376), (317, 25433), (341, 25556), (365, 25679), (372, 25718), (388, 25775), (410, 25856), (418, 25877), (419, 25880), (458, 25970), (505, 26081), (524, 26156),

Gene: QueenB2_31 Start: 22756, Stop: 24954, Start Num: 22

Candidate Starts for QueenB2_31:

(Start: 22 @22756 has 60 MA's), (27, 22777), (40, 22876), (61, 22966), (67, 23002), (88, 23104), (91, 23116), (128, 23293), (155, 23428), (177, 23569), (237, 23782), (239, 23800), (244, 23824), (281, 24025), (308, 24154), (317, 24211), (330, 24271), (339, 24316), (342, 24337), (365, 24457), (388, 24547), (389, 24550), (419, 24655), (429, 24679), (446, 24709), (447, 24712), (514, 24877), (524, 24931),

Gene: QueenBeesly_31 Start: 22638, Stop: 24839, Start Num: 22

Candidate Starts for QueenBeesly_31:

(Start: 22 @22638 has 60 MA's), (27, 22659), (40, 22758), (41, 22764), (48, 22791), (49, 22794), (61, 22848), (67, 22884), (88, 22986), (128, 23175), (154, 23307), (155, 23310), (237, 23664), (239, 23682), (244, 23706), (281, 23907), (291, 23946), (308, 24036), (317, 24093), (330, 24153), (339, 24198), (342, 24219), (360, 24324), (365, 24339), (368, 24363), (378, 24408), (389, 24435), (400, 24480), (429, 24564), (500, 24714), (514, 24762), (516, 24786),

Gene: QuinnKiro_31 Start: 23373, Stop: 25232, Start Num: 115

Candidate Starts for QuinnKiro_31:

(Start: 115 @23373 has 34 MA's), (139, 23517), (143, 23535), (152, 23574), (153, 23595), (161, 23637), (165, 23655), (194, 23814), (197, 23841), (212, 23946), (218, 23967), (237, 24054), (244, 24096), (286, 24318), (291, 24336), (308, 24426), (317, 24483), (351, 24648), (359, 24702), (360, 24714), (365, 24729), (398, 24858), (400, 24870), (419, 24930), (424, 24942), (447, 24987), (454, 25005), (514, 25152), (517, 25179), (524, 25209),

Gene: Quokka_29 Start: 21646, Stop: 23397, Start Num: 22

Candidate Starts for Quokka_29:

(Start: 22 @21646 has 60 MA's), (27, 21667), (40, 21766), (44, 21781), (61, 21856), (71, 21916), (97, 22027), (127, 22060), (141, 22084), (142, 22090), (187, 22162), (214, 22237), (223, 22270), (228, 22300), (287, 22588), (309, 22708), (322, 22777), (370, 23008), (392, 23083), (395, 23095), (397, 23104), (408, 23143), (491, 23338), (501, 23365), (502, 23368), (505, 23380),

Gene: Rachaly_34 Start: 24354, Stop: 26138, Start Num: 21

Candidate Starts for Rachaly_34:

(Start: 21 @24354 has 44 MA's), (27, 24378), (38, 24468), (40, 24477), (53, 24534), (217, 24882), (218, 24885), (237, 24972), (239, 24990), (244, 25014), (262, 25122), (281, 25215), (286, 25236), (291, 25254), (295, 25266), (308, 25344), (318, 25404), (339, 25506), (342, 25527), (368, 25671), (372, 25686), (418, 25842), (427, 25863), (458, 25935), (467, 25953), (487, 25995), (496, 26016), (514, 26076), (524, 26121),

Gene: Rahalelujah_30 Start: 22236, Stop: 23978, Start Num: 21

Candidate Starts for Rahalelujah_30:

(Start: 21 @22236 has 44 MA's), (23, 22242), (40, 22359), (48, 22392), (71, 22509), (76, 22539), (89, 22587), (92, 22596), (93, 22599), (181, 22686), (206, 22731), (215, 22758), (231, 22833), (248, 22911), (258, 22977), (283, 23103), (367, 23535), (376, 23580), (413, 23712), (470, 23853), (474, 23865), (492, 23904), (512, 23967),

Gene: Reba_34 Start: 23026, Stop: 24834, Start Num: 15

Candidate Starts for Reba_34:

(Start: 15 @23026 has 86 MA's), (38, 23161), (53, 23227), (62, 23272), (63, 23275), (95, 23422), (130, 23467), (182, 23497), (237, 23665), (239, 23683), (244, 23707), (272, 23869), (281, 23908), (291, 23947), (308, 24037), (339, 24199), (342, 24220), (358, 24307), (372, 24379), (391, 24442), (410, 24517), (418, 24538), (458, 24631), (476, 24670), (496, 24712), (522, 24811),

Gene: Rebeuca_34 Start: 23648, Stop: 25483, Start Num: 16

Candidate Starts for Rebeuca_34:

(Start: 16 @23648 has 169 MA's), (25, 23681), (58, 23858), (99, 24050), (101, 24056), (102, 24077), (104, 24104), (229, 24284), (237, 24317), (239, 24335), (244, 24359), (262, 24467), (291, 24599), (305, 24656), (308, 24689), (317, 24746), (329, 24800), (341, 24869), (360, 24977), (365, 24992), (368, 25016), (372, 25031), (404, 25148), (410, 25166), (418, 25187), (419, 25190), (453, 25265), (458, 25280), (496, 25361), (505, 25391), (514, 25421), (524, 25466), (525, 25469),

Gene: RedRock_35 Start: 25191, Stop: 26969, Start Num: 22

Candidate Starts for RedRock_35:

(Start: 22 @25191 has 60 MA's), (38, 25302), (40, 25311), (49, 25344), (61, 25398), (67, 25434), (69, 25446), (71, 25458), (130, 25605), (140, 25614), (182, 25635), (187, 25647), (217, 25713), (231, 25782), (237, 25803), (239, 25821), (244, 25845), (261, 25944), (262, 25953), (291, 26085), (305, 26142), (308, 26175), (317, 26232), (329, 26286), (341, 26355), (372, 26517), (388, 26571), (410, 26652), (418, 26673), (427, 26694), (458, 26766), (496, 26847),

Gene: Relief_31 Start: 22958, Stop: 24814, Start Num: 16

Candidate Starts for Relief_31:

(Start: 16 @22958 has 169 MA's), (38, 23084), (44, 23108), (66, 23213), (67, 23219), (74, 23267), (87, 23318), (99, 23363), (124, 23369), (204, 23474), (208, 23486), (226, 23564), (239, 23633), (277, 23861), (284, 23885), (285, 23888), (292, 23915), (294, 23918), (310, 24023), (316, 24053), (318, 24068), (337, 24158), (344, 24197), (355, 24242), (388, 24410), (422, 24527), (425, 24533), (446, 24578), (465, 24629), (467, 24632), (497, 24695), (500, 24704), (522, 24791),

Gene: ResDef_32 Start: 23373, Stop: 25232, Start Num: 115

Candidate Starts for ResDef_32:

(Start: 115 @23373 has 34 MA's), (139, 23517), (143, 23535), (152, 23574), (153, 23595), (161, 23637), (165, 23655), (194, 23814), (197, 23841), (218, 23967), (237, 24054), (244, 24096), (291, 24336), (308, 24426), (317, 24483), (351, 24648), (359, 24702), (360, 24714), (365, 24729), (398, 24858), (400, 24870), (419, 24930), (424, 24942), (447, 24987), (454, 25005), (514, 25152), (517, 25179), (524, 25209),

Gene: Retro23_31 Start: 22846, Stop: 25044, Start Num: 22

Candidate Starts for Retro23_31:

(Start: 22 @22846 has 60 MA's), (27, 22867), (40, 22966), (61, 23056), (67, 23092), (88, 23194), (91, 23206), (117, 23317), (128, 23383), (154, 23515), (155, 23518), (166, 23581), (237, 23872), (239, 23890), (244, 23914), (281, 24115), (291, 24154), (308, 24244), (317, 24301), (330, 24361), (339, 24406), (342, 24427), (365, 24547), (388, 24637), (389, 24640), (419, 24745), (446, 24799), (514, 24967), (524, 25021),

Gene: RhynO_34 Start: 23623, Stop: 25455, Start Num: 16

Candidate Starts for RhynO_34:

(Start: 16 @23623 has 169 MA's), (25, 23656), (52, 23806), (58, 23833), (83, 23962), (95, 24007), (100, 24028), (101, 24031), (237, 24292), (239, 24310), (291, 24571), (305, 24628), (308, 24661), (329, 24772), (341, 24841), (359, 24937), (360, 24949), (365, 24964), (368, 24988), (372, 25003), (373, 25009), (378, 25033), (393, 25075), (404, 25120), (410, 25138), (419, 25162), (453, 25237), (458, 25252), (463, 25261), (476, 25291), (496, 25333), (524, 25438), (525, 25441),

Gene: RockieBear_30 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for RockieBear_30:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316,

24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Rocksand_31 Start: 22956, Stop: 24812, Start Num: 16

Candidate Starts for Rocksand_31:

(Start: 16 @22956 has 169 MA's), (38, 23082), (44, 23106), (66, 23211), (67, 23217), (74, 23265), (77, 23274), (87, 23316), (99, 23361), (124, 23367), (204, 23472), (208, 23484), (226, 23562), (239, 23631), (277, 23859), (284, 23883), (285, 23886), (292, 23913), (294, 23916), (310, 24021), (314, 24042), (316, 24051), (337, 24156), (344, 24195), (355, 24240), (388, 24408), (422, 24525), (425, 24531), (446, 24576), (465, 24627), (467, 24630), (497, 24693), (500, 24702), (522, 24789),

Gene: Rockstar_31 Start: 22769, Stop: 24628, Start Num: 115

Candidate Starts for Rockstar_31:

(Start: 115 @22769 has 34 MA's), (135, 22895), (139, 22913), (142, 22928), (152, 22970), (161, 23033), (191, 23189), (194, 23210), (197, 23237), (205, 23312), (218, 23363), (237, 23450), (239, 23468), (244, 23492), (291, 23732), (305, 23789), (308, 23822), (326, 23915), (330, 23939), (351, 24044), (360, 24110), (365, 24125), (407, 24296), (454, 24401), (478, 24455), (498, 24494), (514, 24548), (517, 24575), (522, 24599),

Gene: Roimos_31 Start: 22808, Stop: 24667, Start Num: 115

Candidate Starts for Roimos_31:

(Start: 115 @22808 has 34 MA's), (135, 22934), (138, 22943), (152, 23009), (153, 23030), (161, 23072), (191, 23228), (197, 23276), (203, 23345), (205, 23351), (212, 23381), (237, 23489), (239, 23507), (244, 23531), (291, 23771), (308, 23861), (330, 23978), (351, 24083), (360, 24149), (365, 24164), (407, 24335), (454, 24440), (478, 24494), (498, 24533), (514, 24587), (517, 24614), (522, 24638),

Gene: Romney_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Romney_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Roosevelt_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Roosevelt_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Rosa24_30 Start: 22935, Stop: 24791, Start Num: 16

Candidate Starts for Rosa24_30:

(Start: 16 @22935 has 169 MA's), (38, 23061), (44, 23085), (74, 23244), (77, 23253), (87, 23295), (99, 23340), (124, 23346), (204, 23451), (208, 23463), (226, 23541), (239, 23610), (266, 23778), (271, 23808), (277, 23838), (285, 23865), (292, 23892), (294, 23895), (310, 24000), (314, 24021), (316, 24030), (337, 24135), (344, 24174), (355, 24219), (385, 24381), (422, 24504), (425, 24510), (497, 24672), (500, 24681),

Gene: Rowdy_37 Start: 23534, Stop: 25366, Start Num: 16

Candidate Starts for Rowdy_37:

(Start: 16 @23534 has 169 MA's), (25, 23567), (52, 23717), (58, 23744), (95, 23918), (100, 23939), (101, 23942), (237, 24203), (239, 24221), (291, 24482), (305, 24539), (308, 24572), (329, 24683), (341, 24752), (359, 24848), (360, 24860), (365, 24875), (368, 24899), (372, 24914), (373, 24920), (378, 24944), (393, 24986), (404, 25031), (410, 25049), (419, 25073), (453, 25148), (458, 25163), (463, 25172), (476, 25202), (496, 25244), (524, 25349), (525, 25352),

Gene: Ruin_31 Start: 22956, Stop: 24812, Start Num: 16

Candidate Starts for Ruin_31:

(Start: 16 @22956 has 169 MA's), (38, 23082), (44, 23106), (66, 23211), (67, 23217), (74, 23265), (77, 23274), (87, 23316), (99, 23361), (124, 23367), (204, 23472), (208, 23484), (226, 23562), (239, 23631), (277, 23859), (284, 23883), (285, 23886), (292, 23913), (294, 23916), (310, 24021), (316, 24051), (318, 24066), (337, 24156), (344, 24195), (355, 24240), (388, 24408), (422, 24525), (425, 24531), (446, 24576), (465, 24627), (467, 24630), (497, 24693), (500, 24702), (522, 24789),

Gene: Rummer_33 Start: 23361, Stop: 25112, Start Num: 15

Candidate Starts for Rummer_33:

(Start: 15 @23361 has 86 MA's), (38, 23496), (53, 23562), (62, 23607), (69, 23643), (94, 23754), (99, 23775), (140, 23811), (207, 23832), (234, 23949), (261, 24087), (280, 24183), (281, 24186), (301, 24255), (304, 24279), (309, 24324), (317, 24372), (331, 24438), (361, 24609), (364, 24615), (373, 24666), (388, 24711), (397, 24741), (410, 24789), (426, 24831), (431, 24846), (434, 24849), (446, 24873), (497, 24975), (498, 24978), (505, 25002),

Gene: RyeScarlet_34 Start: 24381, Stop: 26147, Start Num: 18

Candidate Starts for RyeScarlet_34:

(Start: 18 @24381 has 27 MA's), (23, 24393), (53, 24567), (71, 24657), (86, 24702), (88, 24711), (140, 24789), (183, 24813), (208, 24849), (237, 24978), (239, 24996), (281, 25221), (286, 25242), (291, 25260), (308, 25350), (317, 25407), (341, 25530), (365, 25653), (372, 25692), (388, 25749), (410, 25830), (418, 25851), (419, 25854), (453, 25929), (458, 25944), (505, 26055), (524, 26130),

Gene: Sabertooth_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for Sabertooth_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: Sabia_33 Start: 23270, Stop: 25027, Start Num: 15

Candidate Starts for Sabia_33:

(Start: 15 @23270 has 86 MA's), (38, 23405), (53, 23471), (62, 23516), (69, 23552), (99, 23684), (140, 23720), (207, 23741), (220, 23798), (234, 23858), (247, 23912), (257, 23972), (280, 24092), (281, 24095), (301, 24164), (304, 24188), (317, 24281), (321, 24302), (331, 24347), (402, 24677), (426, 24746), (454, 24809), (519, 24980),

Gene: Sabinator_33 Start: 23275, Stop: 25032, Start Num: 15

Candidate Starts for Sabinator_33:

(Start: 15 @23275 has 86 MA's), (38, 23410), (53, 23476), (62, 23521), (69, 23557), (99, 23689), (140, 23725), (207, 23746), (220, 23803), (234, 23863), (247, 23917), (257, 23977), (280, 24097), (281, 24100), (301, 24169), (304, 24193), (317, 24286), (321, 24307), (331, 24352), (402, 24682), (426, 24751), (454, 24814), (519, 24985),

Gene: Sachima_31 Start: 24389, Stop: 26143, Start Num: 23

Candidate Starts for Sachima_31:

(Start: 18 @24377 has 27 MA's), (23, 24389), (53, 24563), (71, 24653), (86, 24698), (88, 24707), (140, 24785), (183, 24809), (208, 24845), (237, 24974), (239, 24992), (281, 25217), (286, 25238), (291, 25256), (308, 25346), (317, 25403), (341, 25526), (365, 25649), (372, 25688), (388, 25745), (410, 25826), (418, 25847), (419, 25850), (458, 25940), (505, 26051), (524, 26126),

Gene: SaturnRing_31 Start: 22838, Stop: 24697, Start Num: 115

Candidate Starts for SaturnRing_31:

(Start: 115 @22838 has 34 MA's), (139, 22982), (142, 22997), (152, 23039), (173, 23162), (180, 23210), (189, 23252), (191, 23258), (194, 23279), (237, 23519), (242, 23549), (251, 23597), (272, 23723), (281, 23762), (291, 23801), (305, 23858), (308, 23891), (339, 24053), (340, 24056), (351, 24113), (360, 24179), (365, 24194), (419, 24395), (476, 24521), (478, 24524), (511, 24605), (514, 24617), (517, 24644), (524, 24674),

Gene: Scamp_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Scamp_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Scherzo_33 Start: 24410, Stop: 26176, Start Num: 18

Candidate Starts for Scherzo_33:

(Start: 18 @24410 has 27 MA's), (23, 24422), (53, 24596), (71, 24686), (86, 24731), (88, 24740), (140, 24818), (183, 24842), (208, 24878), (237, 25007), (239, 25025), (281, 25250), (286, 25271), (291, 25289), (308, 25379), (317, 25436), (341, 25559), (365, 25682), (372, 25721), (388, 25778), (410, 25859), (418, 25880), (419, 25883), (458, 25973), (505, 26084), (524, 26159),

Gene: Scout_31 Start: 22139, Stop: 23998, Start Num: 115

Candidate Starts for Scout_31:

(Start: 115 @22139 has 34 MA's), (135, 22265), (138, 22274), (152, 22340), (153, 22361), (161, 22403), (191, 22559), (197, 22607), (203, 22676), (205, 22682), (212, 22712), (237, 22820), (239, 22838), (244, 22862), (291, 23102), (308, 23192), (330, 23309), (351, 23414), (360, 23480), (365, 23495), (407, 23666), (454, 23771), (478, 23825), (498, 23864), (514, 23918), (517, 23945), (522, 23969),

Gene: SemperFi_33 Start: 23055, Stop: 25259, Start Num: 22

Candidate Starts for SemperFi_33:

(Start: 22 @23055 has 60 MA's), (27, 23076), (40, 23175), (61, 23265), (67, 23301), (88, 23403), (128, 23592), (155, 23727), (166, 23790), (177, 23868), (237, 24081), (239, 24099), (244, 24123), (281, 24324), (291, 24363), (308, 24453), (317, 24510), (330, 24570), (339, 24615), (342, 24636), (365, 24756), (368, 24780), (389, 24855), (419, 24960), (429, 24984), (446, 25014), (473, 25074), (500, 25134), (514, 25182), (516, 25206), (518, 25209), (524, 25236),

Gene: SenorClean_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for SenorClean_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Serenity_30 Start: 21771, Stop: 23522, Start Num: 22

Candidate Starts for Serenity_30:

(Start: 22 @21771 has 60 MA's), (27, 21792), (40, 21891), (44, 21906), (61, 21981), (71, 22041), (97, 22152), (127, 22185), (141, 22209), (142, 22215), (187, 22287), (223, 22395), (245, 22512), (287, 22713), (309, 22833), (322, 22902), (370, 23133), (392, 23208), (395, 23220), (397, 23229), (408, 23268), (491, 23463), (501, 23490), (502, 23493), (505, 23505),

Gene: Severus_31 Start: 21405, Stop: 23687, Start Num: 16

Candidate Starts for Severus_31:

(Start: 16 @21405 has 169 MA's), (25, 21438), (36, 21522), (52, 21588), (77, 21720), (88, 21765), (95, 21789), (100, 21810), (101, 21813), (103, 21843), (105, 21867), (106, 21885), (110, 21942), (120, 22002), (135, 22080), (152, 22155), (166, 22245), (175, 22305), (202, 22371), (237, 22518), (239, 22536), (244, 22560), (270, 22704), (281, 22761), (291, 22800), (296, 22821), (308, 22890), (330, 23007), (339, 23052), (344, 23082), (348, 23100), (351, 23112), (360, 23178), (368, 23217), (372, 23232), (373, 23238), (382, 23271), (388, 23289), (418, 23391), (419, 23394), (446, 23451), (453, 23469), (454, 23472), (458, 23484), (476, 23523), (496, 23565), (497, 23568), (524, 23670),

Gene: Shaka_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Shaka_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (385, 24406), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Shapes_37 Start: 23534, Stop: 25366, Start Num: 16

Candidate Starts for Shapes_37:

(Start: 16 @23534 has 169 MA's), (25, 23567), (52, 23717), (58, 23744), (95, 23918), (100, 23939), (101, 23942), (237, 24203), (239, 24221), (291, 24482), (305, 24539), (308, 24572), (329, 24683), (341, 24752), (359, 24848), (360, 24860), (365, 24875), (368, 24899), (372, 24914), (373, 24920), (378, 24944), (393, 24986), (404, 25031), (410, 25049), (419, 25073), (453, 25148), (458, 25163), (463, 25172), (476, 25202), (496, 25244), (524, 25349), (525, 25352),

Gene: SheaKeira_31 Start: 22351, Stop: 24009, Start Num: 21

Candidate Starts for SheaKeira_31:

(Start: 21 @22351 has 44 MA's), (35, 22453), (48, 22507), (53, 22531), (54, 22537), (70, 22618), (71, 22624), (76, 22654), (89, 22702), (98, 22726), (181, 22801), (258, 23092), (302, 23308), (309, 23362), (333, 23476), (336, 23488), (363, 23635), (367, 23650), (466, 23875), (495, 23938),

Gene: SheldonCooper_32 Start: 23275, Stop: 25131, Start Num: 16

Candidate Starts for SheldonCooper_32:

(Start: 16 @23275 has 169 MA's), (38, 23401), (44, 23425), (66, 23530), (67, 23536), (74, 23584), (87, 23635), (124, 23686), (204, 23791), (208, 23803), (226, 23881), (239, 23950), (266, 24118), (271, 24148), (277, 24178), (284, 24202), (285, 24205), (292, 24232), (294, 24235), (310, 24340), (314, 24361), (316, 24370), (344, 24514), (355, 24559), (385, 24721), (422, 24844), (446, 24895), (497, 25012), (500, 25021), (522, 25108),

Gene: Shep_31 Start: 21854, Stop: 23713, Start Num: 115

Candidate Starts for Shep_31:

(Start: 115 @21854 has 34 MA's), (135, 21980), (138, 21989), (152, 22055), (153, 22076), (161, 22118), (191, 22274), (197, 22322), (203, 22391), (205, 22397), (212, 22427), (237, 22535), (239, 22553), (244, 22577), (291, 22817), (308, 22907), (330, 23024), (351, 23129), (360, 23195), (365, 23210), (372, 23249), (407, 23381), (454, 23486), (478, 23540), (498, 23579), (514, 23633), (517, 23660), (522, 23684),

Gene: Shygu2_31 Start: 22966, Stop: 24825, Start Num: 16

Candidate Starts for Shygu2_31:

(12, 22903), (Start: 16 @22966 has 169 MA's), (29, 23014), (31, 23032), (44, 23116), (48, 23134), (58, 23179), (61, 23191), (99, 23371), (147, 23431), (204, 23482), (208, 23494), (226, 23572), (239, 23641), (277, 23869), (285, 23896), (292, 23923), (294, 23926), (310, 24034), (314, 24055), (316, 24064), (330, 24133), (337, 24169), (344, 24208), (385, 24415), (422, 24538), (446, 24589), (497, 24706), (500, 24715),

Gene: Skadoosh_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Skadoosh_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Skipitt_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for Skipitt_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: Sknot_31 Start: 22776, Stop: 24998, Start Num: 21

Candidate Starts for Sknot_31:

(Start: 21 @22776 has 44 MA's), (38, 22890), (41, 22905), (69, 23037), (95, 23151), (100, 23172), (103, 23205), (128, 23316), (137, 23355), (155, 23451), (172, 23553), (237, 23802), (242, 23832), (244, 23844), (274, 24015), (291, 24084), (308, 24183), (329, 24294), (330, 24300), (331, 24306), (339, 24345), (350, 24402), (351, 24405), (360, 24471), (378, 24555), (400, 24627), (442, 24747), (494, 24858), (511, 24909), (514, 24921),

Gene: Smeagan_33 Start: 23263, Stop: 25350, Start Num: 21

Candidate Starts for Smeagan_33:

(Start: 21 @23263 has 44 MA's), (38, 23377), (40, 23386), (41, 23392), (48, 23419), (61, 23476), (88, 23614), (128, 23803), (155, 23938), (162, 23980), (172, 24040), (231, 24154), (237, 24175), (239, 24193), (244, 24217), (262, 24325), (281, 24418), (286, 24439), (291, 24457), (308, 24547), (317, 24604), (318, 24607), (330, 24664), (331, 24670), (339, 24709), (342, 24730), (378, 24919), (385, 24940), (419, 25051), (484, 25189), (509, 25255), (514, 25273), (531, 25342),

Gene: SnapTap_31 Start: 22698, Stop: 24902, Start Num: 22

Candidate Starts for SnapTap_31:

(Start: 22 @22698 has 60 MA's), (27, 22719), (41, 22824), (61, 22908), (67, 22944), (88, 23046), (91, 23058), (128, 23235), (155, 23370), (166, 23433), (237, 23724), (239, 23742), (244, 23766), (268, 23904), (281, 23967), (291, 24006), (308, 24096), (317, 24153), (330, 24213), (339, 24258), (342, 24279), (365, 24399), (368, 24423), (378, 24468), (400, 24540), (419, 24600), (498, 24771), (514, 24825), (518, 24852), (524, 24879),

Gene: Snickers_33 Start: 23251, Stop: 25008, Start Num: 15

Candidate Starts for Snickers_33:

(Start: 15 @23251 has 86 MA's), (38, 23386), (53, 23452), (62, 23497), (69, 23533), (99, 23665), (140, 23701), (207, 23722), (220, 23779), (234, 23839), (247, 23893), (257, 23953), (280, 24073), (281,

24076), (301, 24145), (304, 24169), (317, 24262), (321, 24283), (331, 24328), (402, 24658), (426, 24727), (454, 24790), (519, 24961),

Gene: SoYo_33 Start: 23188, Stop: 24945, Start Num: 15

Candidate Starts for SoYo_33:

(Start: 15 @23188 has 86 MA's), (38, 23323), (53, 23389), (62, 23434), (69, 23470), (99, 23602), (140, 23638), (207, 23659), (220, 23716), (234, 23776), (247, 23830), (257, 23890), (280, 24010), (281, 24013), (301, 24082), (304, 24106), (317, 24199), (321, 24220), (331, 24265), (402, 24595), (426, 24664), (454, 24727), (519, 24898),

Gene: SoilDragon_33 Start: 22965, Stop: 24770, Start Num: 15

Candidate Starts for SoilDragon_33:

(Start: 15 @22965 has 86 MA's), (38, 23100), (53, 23166), (62, 23211), (69, 23247), (84, 23319), (95, 23361), (130, 23406), (182, 23436), (237, 23604), (239, 23622), (244, 23646), (268, 23784), (272, 23808), (281, 23847), (291, 23886), (308, 23976), (339, 24138), (342, 24159), (358, 24246), (372, 24318), (380, 24348), (393, 24390), (410, 24453), (419, 24477), (453, 24552), (458, 24567), (476, 24606), (496, 24648), (524, 24753),

Gene: SororFago_31 Start: 21994, Stop: 24447, Start Num: 21

Candidate Starts for SororFago_31:

(Start: 21 @21994 has 44 MA's), (62, 22210), (74, 22267), (80, 22288), (107, 22453), (119, 22588), (167, 22843), (168, 22846), (178, 22909), (180, 22927), (186, 22954), (188, 22966), (195, 23008), (196, 23011), (231, 23245), (238, 23275), (239, 23284), (262, 23416), (274, 23479), (290, 23545), (291, 23548), (308, 23647), (321, 23725), (330, 23764), (339, 23809), (351, 23869), (360, 23935), (365, 23950), (386, 24040), (389, 24046), (407, 24121), (438, 24190), (509, 24355), (514, 24373), (517, 24400),

Gene: Soshari_35 Start: 23360, Stop: 25111, Start Num: 15

Candidate Starts for Soshari_35:

(Start: 15 @23360 has 86 MA's), (38, 23495), (51, 23552), (53, 23561), (62, 23606), (69, 23642), (94, 23753), (99, 23774), (140, 23810), (207, 23831), (234, 23948), (261, 24086), (280, 24182), (281, 24185), (301, 24254), (304, 24278), (309, 24323), (317, 24371), (331, 24437), (361, 24608), (364, 24614), (373, 24665), (388, 24710), (397, 24740), (410, 24788), (426, 24830), (431, 24845), (434, 24848), (446, 24872), (497, 24974), (498, 24977), (505, 25001),

Gene: Sparxx_31 Start: 22958, Stop: 24814, Start Num: 16

Candidate Starts for Sparxx_31:

(Start: 16 @22958 has 169 MA's), (38, 23084), (44, 23108), (66, 23213), (67, 23219), (74, 23267), (77, 23276), (87, 23318), (99, 23363), (124, 23369), (204, 23474), (208, 23486), (226, 23564), (239, 23633), (277, 23861), (284, 23885), (285, 23888), (292, 23915), (294, 23918), (310, 24023), (316, 24053), (318, 24068), (337, 24158), (344, 24197), (351, 24224), (355, 24242), (368, 24341), (422, 24527), (446, 24578), (467, 24632), (497, 24695), (500, 24704), (522, 24791),

Gene: Spike509_33 Start: 23361, Stop: 25112, Start Num: 15

Candidate Starts for Spike509_33:

(Start: 15 @23361 has 86 MA's), (38, 23496), (53, 23562), (62, 23607), (69, 23643), (94, 23754), (99, 23775), (140, 23811), (207, 23832), (234, 23949), (261, 24087), (280, 24183), (281, 24186), (301, 24255), (304, 24279), (309, 24324), (317, 24372), (331, 24438), (360, 24606), (361, 24609), (364, 24615), (373, 24666), (388, 24711), (397, 24741), (410, 24789), (426, 24831), (431, 24846), (434, 24849), (446, 24873), (497, 24975), (498, 24978), (505, 25002),

Gene: Spino_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Spino_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (385, 24406), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Spouty_33 Start: 24443, Stop: 26209, Start Num: 18

Candidate Starts for Spouty_33:

(Start: 18 @24443 has 27 MA's), (53, 24629), (71, 24719), (86, 24764), (88, 24773), (140, 24851), (183, 24875), (208, 24911), (237, 25040), (239, 25058), (281, 25283), (286, 25304), (291, 25322), (308, 25412), (317, 25469), (341, 25592), (365, 25715), (372, 25754), (388, 25811), (410, 25892), (418, 25913), (419, 25916), (458, 26006), (505, 26117), (524, 26192),

Gene: Stagni_33 Start: 23279, Stop: 25036, Start Num: 15

Candidate Starts for Stagni_33:

(Start: 15 @23279 has 86 MA's), (38, 23414), (53, 23480), (62, 23525), (69, 23561), (99, 23693), (140, 23729), (207, 23750), (220, 23807), (234, 23867), (247, 23921), (257, 23981), (280, 24101), (281, 24104), (301, 24173), (304, 24197), (317, 24290), (321, 24311), (331, 24356), (402, 24686), (426, 24755), (454, 24818), (519, 24989),

Gene: StarStuff_34 Start: 22559, Stop: 24412, Start Num: 22

Candidate Starts for StarStuff_34:

(Start: 19 @22553 has 5 MA's), (Start: 22 @22559 has 60 MA's), (40, 22679), (61, 22769), (71, 22829), (82, 22880), (127, 22973), (141, 22997), (142, 23003), (287, 23510), (303, 23579), (316, 23666), (334, 23747), (370, 23930), (445, 24149), (449, 24161), (462, 24191), (490, 24260), (500, 24284), (502, 24293), (512, 24329),

Gene: Stasia_32 Start: 23404, Stop: 25242, Start Num: 16

Candidate Starts for Stasia_32:

(Start: 16 @23404 has 169 MA's), (31, 23470), (38, 23530), (53, 23596), (61, 23629), (66, 23659), (67, 23665), (74, 23713), (87, 23764), (130, 23836), (205, 23938), (237, 24076), (239, 24094), (291, 24358), (308, 24448), (339, 24610), (342, 24631), (359, 24724), (365, 24751), (368, 24775), (372, 24790), (410, 24925), (419, 24949), (427, 24967), (458, 25039), (496, 25120),

Gene: SteMason_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for SteMason_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: StepMih_33 Start: 23270, Stop: 25027, Start Num: 15

Candidate Starts for StepMih_33:

(Start: 15 @23270 has 86 MA's), (38, 23405), (53, 23471), (62, 23516), (69, 23552), (99, 23684), (140, 23720), (207, 23741), (220, 23798), (234, 23858), (247, 23912), (257, 23972), (280, 24092), (281, 24095), (301, 24164), (304, 24188), (317, 24281), (321, 24302), (331, 24347), (402, 24677), (426, 24746), (454, 24809), (519, 24980),

Gene: Stink_32 Start: 23240, Stop: 25099, Start Num: 16

Candidate Starts for Stink_32:

(Start: 16 @23240 has 169 MA's), (31, 23306), (44, 23390), (48, 23408), (58, 23453), (67, 23501), (77, 23558), (87, 23600), (124, 23651), (130, 23672), (147, 23705), (204, 23756), (208, 23768), (219, 23822), (226, 23846), (239, 23915), (277, 24143), (285, 24170), (292, 24197), (294, 24200), (310, 24308), (314, 24329), (316, 24338), (330, 24407), (337, 24443), (344, 24482), (357, 24551), (385, 24689), (422, 24812), (425, 24818), (497, 24980), (500, 24989),

Gene: Sultana_31 Start: 22961, Stop: 24817, Start Num: 16

Candidate Starts for Sultana_31:

(Start: 16 @22961 has 169 MA's), (38, 23087), (44, 23111), (66, 23216), (67, 23222), (74, 23270), (87, 23321), (99, 23366), (124, 23372), (204, 23477), (208, 23489), (226, 23567), (239, 23636), (277, 23864), (284, 23888), (285, 23891), (292, 23918), (294, 23921), (310, 24026), (314, 24047), (316, 24056), (337, 24161), (344, 24200), (355, 24245), (385, 24407), (388, 24413), (422, 24530), (425, 24536), (446, 24581), (465, 24632), (467, 24635), (497, 24698), (500, 24707), (522, 24794),

Gene: Sunhee_31 Start: 22065, Stop: 23957, Start Num: 8

Candidate Starts for Sunhee_31:

(Start: 8 @22065 has 1 MA's), (10, 22086), (27, 22248), (31, 22278), (33, 22323), (37, 22335), (73, 22524), (78, 22536), (131, 22638), (252, 22980), (253, 22983), (265, 23064), (276, 23124), (283, 23148), (306, 23253), (309, 23292), (319, 23349), (320, 23352), (363, 23565), (367, 23580), (399, 23700), (512, 23946), (513, 23949),

Gene: Superchunk_30 Start: 21397, Stop: 22950, Start Num: 22

Candidate Starts for Superchunk_30:

(Start: 19 @21391 has 5 MA's), (Start: 22 @21397 has 60 MA's), (40, 21517), (48, 21550), (49, 21553), (54, 21580), (71, 21667), (127, 21754), (201, 21856), (309, 22384), (311, 22390), (316, 22420), (322, 22453), (326, 22465), (346, 22558), (354, 22588), (370, 22684), (392, 22756), (412, 22822), (415, 22834), (440, 22879),

Gene: SweetiePie_31 Start: 22698, Stop: 24902, Start Num: 22

Candidate Starts for SweetiePie_31:

(Start: 22 @22698 has 60 MA's), (27, 22719), (41, 22824), (61, 22908), (67, 22944), (88, 23046), (91, 23058), (128, 23235), (155, 23370), (237, 23724), (239, 23742), (244, 23766), (268, 23904), (281, 23967), (291, 24006), (308, 24096), (317, 24153), (330, 24213), (339, 24258), (342, 24279), (365, 24399), (368, 24423), (378, 24468), (400, 24540), (419, 24600), (498, 24771), (514, 24825), (518, 24852), (524, 24879),

Gene: SwirlSquare_32 Start: 21533, Stop: 23197, Start Num: 22

Candidate Starts for SwirlSquare_32:

(Start: 22 @21533 has 60 MA's), (38, 21644), (47, 21680), (67, 21779), (71, 21803), (141, 21971), (142, 21977), (309, 22598), (326, 22679), (346, 22772), (354, 22802), (370, 22898), (392, 22970), (417, 23057), (448, 23126),

Gene: TNguyen7_31 Start: 22806, Stop: 24665, Start Num: 115

Candidate Starts for TNguyen7_31:

(Start: 115 @22806 has 34 MA's), (139, 22950), (142, 22965), (152, 23007), (173, 23130), (180, 23178), (189, 23220), (191, 23226), (194, 23247), (237, 23487), (242, 23517), (251, 23565), (272, 23691), (281, 23730), (291, 23769), (305, 23826), (308, 23859), (339, 24021), (340, 24024), (351, 24081), (360, 24147), (365, 24162), (419, 24363), (476, 24489), (478, 24492), (511, 24573), (514, 24585), (517, 24612), (524, 24642),

Gene: Taquarus_31 Start: 22963, Stop: 24819, Start Num: 16

Candidate Starts for Taquarus_31:

(Start: 16 @22963 has 169 MA's), (38, 23089), (44, 23113), (66, 23218), (67, 23224), (74, 23272), (77, 23281), (87, 23323), (99, 23368), (124, 23374), (204, 23479), (208, 23491), (226, 23569), (239, 23638), (277, 23866), (284, 23890), (285, 23893), (292, 23920), (294, 23923), (310, 24028), (316, 24058), (318, 24073), (337, 24163), (344, 24202), (355, 24247), (388, 24415), (422, 24532), (425, 24538), (446, 24583), (465, 24634), (467, 24637), (497, 24700), (500, 24709), (522, 24796),

Gene: TarsusIV_31 Start: 22846, Stop: 25041, Start Num: 22

Candidate Starts for TarsusIV_31:

(Start: 22 @22846 has 60 MA's), (27, 22867), (38, 22957), (40, 22966), (53, 23023), (87, 23191), (88, 23194), (95, 23218), (103, 23272), (128, 23383), (137, 23422), (155, 23518), (160, 23554), (177, 23659), (237, 23869), (239, 23887), (281, 24112), (295, 24163), (308, 24241), (317, 24298), (339, 24403), (342, 24424), (350, 24460), (360, 24529), (368, 24568), (378, 24613), (389, 24640), (407, 24715), (419, 24745), (429, 24769), (500, 24919), (510, 24952), (514, 24967),

Gene: Taurus_33 Start: 23276, Stop: 25033, Start Num: 15

Candidate Starts for Taurus_33:

(Start: 15 @23276 has 86 MA's), (38, 23411), (53, 23477), (62, 23522), (69, 23558), (99, 23690), (140, 23726), (207, 23747), (220, 23804), (234, 23864), (247, 23918), (257, 23978), (280, 24098), (281, 24101), (301, 24170), (304, 24194), (317, 24287), (321, 24308), (331, 24353), (402, 24683), (426, 24752), (454, 24815), (519, 24986),

Gene: Terrific_35 Start: 23230, Stop: 25437, Start Num: 21

Candidate Starts for Terrific_35:

(Start: 21 @23230 has 44 MA's), (38, 23344), (41, 23359), (47, 23380), (69, 23491), (88, 23581), (91, 23593), (128, 23770), (137, 23809), (155, 23905), (217, 24166), (237, 24256), (242, 24286), (244, 24298), (280, 24496), (308, 24637), (312, 24658), (329, 24748), (330, 24754), (331, 24760), (339, 24799), (342, 24820), (350, 24856), (351, 24859), (360, 24925), (365, 24940), (366, 24943), (368, 24964), (374, 24997), (419, 25141), (442, 25189), (447, 25198), (472, 25252), (500, 25312), (514, 25360), (524, 25414),

Gene: Texage_31 Start: 23374, Stop: 25233, Start Num: 115

Candidate Starts for Texage_31:

(Start: 115 @23374 has 34 MA's), (139, 23518), (143, 23536), (152, 23575), (153, 23596), (161, 23638), (165, 23656), (194, 23815), (197, 23842), (212, 23947), (218, 23968), (237, 24055), (244, 24097), (291, 24337), (308, 24427), (317, 24484), (351, 24649), (359, 24703), (360, 24715), (365, 24730), (398, 24859), (400, 24871), (419, 24931), (424, 24943), (447, 24988), (454, 25006), (514, 25153), (517, 25180), (524, 25210),

Gene: Thanksgivukkah_31 Start: 22961, Stop: 24817, Start Num: 16

Candidate Starts for Thanksgivukkah_31:

(Start: 16 @22961 has 169 MA's), (38, 23087), (44, 23111), (66, 23216), (67, 23222), (74, 23270), (77, 23279), (87, 23321), (99, 23366), (124, 23372), (204, 23477), (208, 23489), (226, 23567), (239, 23636), (277, 23864), (284, 23888), (285, 23891), (292, 23918), (294, 23921), (310, 24026), (316, 24056), (318, 24071), (337, 24161), (344, 24200), (355, 24245), (388, 24413), (422, 24530), (425, 24536), (446, 24581), (465, 24632), (467, 24635), (497, 24698), (500, 24707), (522, 24794),

Gene: Tiffany_33 Start: 23171, Stop: 24922, Start Num: 15

Candidate Starts for Tiffany_33:

(Start: 15 @23171 has 86 MA's), (38, 23306), (53, 23372), (62, 23417), (69, 23453), (84, 23525), (88, 23543), (140, 23621), (207, 23642), (220, 23699), (234, 23759), (261, 23897), (280, 23993), (281, 23996), (301, 24065), (304, 24089), (309, 24134), (317, 24182), (331, 24248), (361, 24419), (364, 24425), (373, 24476), (388, 24521), (410, 24599), (426, 24641), (446, 24683), (497, 24785), (498, 24788), (505, 24812),

Gene: TinaFeyge_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for TinaFeyge_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (219, 23539), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: TinyPebbles_33 Start: 23366, Stop: 25117, Start Num: 15

Candidate Starts for TinyPebbles_33:

(Start: 15 @23366 has 86 MA's), (38, 23501), (53, 23567), (62, 23612), (69, 23648), (94, 23759), (99, 23780), (140, 23816), (207, 23837), (234, 23954), (261, 24092), (280, 24188), (281, 24191), (301, 24260), (304, 24284), (309, 24329), (317, 24377), (331, 24443), (361, 24614), (364, 24620), (373, 24671), (388, 24716), (397, 24746), (410, 24794), (426, 24836), (431, 24851), (434, 24854), (446, 24878), (497, 24980), (498, 24983), (505, 25007),

Gene: Tinybot_30 Start: 22937, Stop: 24793, Start Num: 16

Candidate Starts for Tinybot_30:

(Start: 16 @22937 has 169 MA's), (38, 23063), (44, 23087), (74, 23246), (77, 23255), (87, 23297), (99, 23342), (124, 23348), (204, 23453), (208, 23465), (226, 23543), (239, 23612), (266, 23780), (271, 23810), (277, 23840), (285, 23867), (292, 23894), (294, 23897), (310, 24002), (314, 24023), (316, 24032), (337, 24137), (344, 24176), (355, 24221), (385, 24383), (422, 24506), (425, 24512), (497, 24674), (500, 24683),

Gene: TipsytheTRex_30 Start: 21878, Stop: 23713, Start Num: 21

Candidate Starts for TipsytheTRex_30:

(Start: 21 @21878 has 44 MA's), (40, 22001), (44, 22016), (48, 22034), (61, 22091), (69, 22139), (71, 22151), (97, 22262), (141, 22319), (142, 22325), (223, 22505), (240, 22589), (249, 22640), (254, 22661), (269, 22727), (287, 22811), (293, 22823), (309, 22931), (326, 23012), (348, 23111), (370, 23231), (436, 23435), (445, 23450), (490, 23561), (504, 23603),

Gene: TiroTheta9_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for TiroTheta9_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316, 24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: Toaka_30 Start: 22544, Stop: 24361, Start Num: 21

Candidate Starts for Toaka_30:

(Start: 21 @22544 has 44 MA's), (23, 22550), (36, 22649), (67, 22793), (71, 22817), (225, 23180), (226, 23183), (231, 23216), (248, 23294), (252, 23318), (255, 23336), (258, 23360), (283, 23486), (302, 23576), (327, 23714), (367, 23918), (376, 23963), (379, 23972), (400, 24047), (401, 24050), (512, 24350),

Gene: Todacoro_32 Start: 23373, Stop: 25232, Start Num: 115

Candidate Starts for Todacoro_32:

(Start: 115 @23373 has 34 MA's), (139, 23517), (143, 23535), (152, 23574), (153, 23595), (161, 23637), (165, 23655), (194, 23814), (197, 23841), (212, 23946), (218, 23967), (237, 24054), (244, 24096), (286, 24318), (291, 24336), (308, 24426), (317, 24483), (351, 24648), (359, 24702), (360,

24714), (365, 24729), (398, 24858), (400, 24870), (419, 24930), (424, 24942), (447, 24987), (454, 25005), (514, 25152), (517, 25179), (524, 25209),

Gene: Tomathan_34 Start: 22559, Stop: 24412, Start Num: 22

Candidate Starts for Tomathan_34:

(Start: 19 @22553 has 5 MA's), (Start: 22 @22559 has 60 MA's), (40, 22679), (61, 22769), (71, 22829), (82, 22880), (127, 22973), (141, 22997), (142, 23003), (287, 23510), (303, 23579), (316, 23666), (334, 23747), (370, 23930), (445, 24149), (449, 24161), (462, 24191), (490, 24260), (500, 24284), (502, 24293), (512, 24329),

Gene: Topanga_33 Start: 23566, Stop: 25401, Start Num: 16

Candidate Starts for Topanga_33:

(Start: 16 @23566 has 169 MA's), (43, 23713), (52, 23749), (83, 23905), (101, 23974), (102, 23995), (104, 24022), (237, 24235), (239, 24253), (272, 24439), (281, 24478), (291, 24517), (305, 24574), (308, 24607), (317, 24664), (329, 24718), (342, 24790), (343, 24793), (365, 24910), (368, 24934), (372, 24949), (373, 24955), (388, 25003), (396, 25030), (410, 25084), (418, 25105), (419, 25108), (427, 25126), (453, 25183), (458, 25198), (482, 25246), (496, 25279), (505, 25309), (524, 25384),

Gene: Travvers_34 Start: 22559, Stop: 24412, Start Num: 22

Candidate Starts for Travvers_34:

(Start: 19 @22553 has 5 MA's), (Start: 22 @22559 has 60 MA's), (40, 22679), (61, 22769), (71, 22829), (82, 22880), (127, 22973), (141, 22997), (142, 23003), (287, 23510), (303, 23579), (316, 23666), (334, 23747), (462, 24191), (466, 24206), (490, 24260), (500, 24284), (502, 24293), (512, 24329),

Gene: Trike_30 Start: 21413, Stop: 23695, Start Num: 16

Candidate Starts for Trike_30:

(Start: 16 @21413 has 169 MA's), (25, 21446), (36, 21530), (52, 21596), (77, 21728), (102, 21842), (103, 21851), (109, 21935), (120, 22010), (135, 22088), (152, 22163), (157, 22208), (202, 22379), (237, 22526), (238, 22535), (239, 22544), (244, 22568), (281, 22769), (291, 22808), (308, 22898), (317, 22955), (328, 22997), (329, 23009), (339, 23060), (344, 23090), (348, 23108), (351, 23120), (372, 23240), (373, 23246), (410, 23378), (418, 23399), (419, 23402), (446, 23459), (457, 23486), (458, 23492), (496, 23573), (497, 23576), (524, 23678), (525, 23681),

Gene: Tristan_33 Start: 24889, Stop: 26664, Start Num: 16

Candidate Starts for Tristan_33:

(14, 24850), (Start: 16 @24889 has 169 MA's), (38, 25000), (40, 25009), (54, 25066), (61, 25093), (77, 25186), (124, 25279), (130, 25300), (140, 25309), (182, 25330), (187, 25342), (229, 25465), (237, 25498), (239, 25516), (244, 25540), (264, 25654), (281, 25741), (291, 25780), (295, 25792), (305, 25837), (339, 26032), (342, 26053), (372, 26212), (373, 26218), (410, 26347), (453, 26446), (458, 26461), (496, 26542), (514, 26602), (524, 26647),

Gene: Trixie_34 Start: 24439, Stop: 26220, Start Num: 19

Candidate Starts for Trixie_34:

(Start: 19 @24439 has 5 MA's), (38, 24556), (40, 24565), (69, 24697), (217, 24964), (237, 25054), (239, 25072), (244, 25096), (291, 25336), (308, 25426), (317, 25483), (341, 25606), (364, 25723), (372, 25768), (410, 25903), (418, 25924), (427, 25945), (458, 26017), (496, 26098), (505, 26128), (514, 26158),

Gene: Trooper_31 Start: 22613, Stop: 24916, Start Num: 22

Candidate Starts for Trooper_31:

(Start: 22 @22613 has 60 MA's), (27, 22634), (38, 22724), (53, 22790), (88, 22961), (108, 23105), (111, 23141), (114, 23171), (128, 23261), (142, 23327), (155, 23396), (217, 23657), (237, 23744), (239, 23762), (244, 23786), (250, 23816), (281, 23987), (295, 24038), (308, 24116), (317, 24173),

(339, 24278), (342, 24299), (345, 24311), (360, 24404), (365, 24419), (368, 24443), (378, 24488), (388, 24509), (389, 24512), (406, 24575), (419, 24617), (433, 24650), (446, 24671), (476, 24743), (500, 24791), (514, 24839), (524, 24893),

Gene: TroyPia_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for TroyPia_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Tubs_33 Start: 24377, Stop: 26143, Start Num: 18

Candidate Starts for Tubs_33:

(Start: 18 @24377 has 27 MA's), (23, 24389), (53, 24563), (71, 24653), (86, 24698), (88, 24707), (140, 24785), (183, 24809), (208, 24845), (237, 24974), (239, 24992), (281, 25217), (286, 25238), (291, 25256), (308, 25346), (317, 25403), (341, 25526), (365, 25649), (372, 25688), (388, 25745), (410, 25826), (418, 25847), (419, 25850), (458, 25940), (505, 26051), (524, 26126),

Gene: Turbido_33 Start: 23266, Stop: 25470, Start Num: 21

Candidate Starts for Turbido_33:

(Start: 21 @23266 has 44 MA's), (38, 23380), (40, 23389), (48, 23422), (61, 23479), (88, 23617), (128, 23806), (155, 23941), (162, 23983), (174, 24055), (237, 24295), (239, 24313), (244, 24337), (262, 24445), (281, 24538), (291, 24577), (308, 24667), (317, 24724), (318, 24727), (330, 24784), (331, 24790), (339, 24829), (342, 24850), (378, 25039), (389, 25066), (443, 25219), (453, 25243), (477, 25297), (480, 25300), (498, 25339), (500, 25345), (514, 25393),

Gene: Twister_33 Start: 23481, Stop: 25316, Start Num: 16

Candidate Starts for Twister_33:

(Start: 16 @23481 has 169 MA's), (25, 23514), (52, 23664), (101, 23889), (102, 23910), (104, 23937), (229, 24117), (237, 24150), (239, 24168), (244, 24192), (262, 24300), (291, 24432), (305, 24489), (308, 24522), (317, 24579), (329, 24633), (332, 24648), (341, 24702), (360, 24810), (365, 24825), (368, 24849), (372, 24864), (393, 24936), (404, 24981), (410, 24999), (418, 25020), (419, 25023), (453, 25098), (458, 25113), (496, 25194), (505, 25224), (514, 25254), (524, 25299), (525, 25302),

Gene: TygerBlood_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for TygerBlood_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Ugenie5_30 Start: 24410, Stop: 26176, Start Num: 18

Candidate Starts for Ugenie5_30:

(Start: 18 @24410 has 27 MA's), (23, 24422), (53, 24596), (71, 24686), (86, 24731), (88, 24740), (140, 24818), (183, 24842), (208, 24878), (237, 25007), (239, 25025), (281, 25250), (286, 25271), (291, 25289), (308, 25379), (317, 25436), (341, 25559), (365, 25682), (372, 25721), (388, 25778), (410, 25859), (418, 25880), (419, 25883), (458, 25973), (505, 26084), (524, 26159),

Gene: Ulysses_30 Start: 22678, Stop: 24534, Start Num: 16

Candidate Starts for Ulysses_30:

(Start: 16 @22678 has 169 MA's), (38, 22804), (44, 22828), (66, 22933), (67, 22939), (74, 22987), (77, 22996), (87, 23038), (99, 23083), (124, 23089), (204, 23194), (208, 23206), (222, 23269), (226, 23284), (239, 23353), (266, 23521), (277, 23581), (285, 23608), (292, 23635), (294, 23638), (310, 23743), (314, 23764), (316, 23773), (337, 23878), (355, 23962), (368, 24061), (422, 24247), (425, 24253), (446, 24298), (465, 24349), (467, 24352), (497, 24415), (500, 24424), (522, 24511),

Gene: Updawg_33 Start: 23218, Stop: 25425, Start Num: 21

Candidate Starts for Updawg_33:

(Start: 21 @23218 has 44 MA's), (38, 23332), (40, 23341), (41, 23347), (47, 23368), (69, 23479), (88, 23569), (91, 23581), (128, 23758), (137, 23797), (155, 23893), (217, 24154), (237, 24244), (242, 24274), (244, 24286), (280, 24484), (308, 24625), (312, 24646), (329, 24736), (330, 24742), (331, 24748), (339, 24787), (342, 24808), (350, 24844), (351, 24847), (360, 24913), (365, 24928), (366, 24931), (368, 24952), (374, 24985), (419, 25129), (442, 25177), (472, 25240), (500, 25300), (514, 25348), (524, 25402),

Gene: VA6_31 Start: 22715, Stop: 24568, Start Num: 22

Candidate Starts for VA6_31:

(Start: 19 @22709 has 5 MA's), (Start: 22 @22715 has 60 MA's), (40, 22835), (61, 22925), (71, 22985), (74, 23009), (82, 23036), (127, 23129), (141, 23153), (142, 23159), (204, 23261), (287, 23666), (303, 23735), (334, 23903), (354, 23990), (370, 24086), (413, 24233), (462, 24347), (490, 24416), (500, 24440), (508, 24470), (512, 24485),

Gene: VC3_34 Start: 22703, Stop: 24556, Start Num: 22

Candidate Starts for VC3_34:

(Start: 19 @22697 has 5 MA's), (Start: 22 @22703 has 60 MA's), (40, 22823), (61, 22913), (71, 22973), (74, 22997), (82, 23024), (127, 23117), (141, 23141), (142, 23147), (204, 23249), (287, 23654), (303, 23723), (334, 23891), (354, 23978), (370, 24074), (413, 24221), (462, 24335), (490, 24404), (500, 24428), (508, 24458), (512, 24473),

Gene: Veracruz_31 Start: 23373, Stop: 25232, Start Num: 115

Candidate Starts for Veracruz_31:

(Start: 115 @23373 has 34 MA's), (139, 23517), (143, 23535), (152, 23574), (153, 23595), (161, 23637), (165, 23655), (194, 23814), (197, 23841), (212, 23946), (218, 23967), (237, 24054), (244, 24096), (286, 24318), (291, 24336), (308, 24426), (317, 24483), (351, 24648), (359, 24702), (360, 24714), (365, 24729), (398, 24858), (400, 24870), (419, 24930), (424, 24942), (447, 24987), (454, 25005), (514, 25152), (517, 25179), (524, 25209),

Gene: Vix_33 Start: 23359, Stop: 25116, Start Num: 15

Candidate Starts for Vix_33:

(Start: 15 @23359 has 86 MA's), (38, 23494), (53, 23560), (62, 23605), (69, 23641), (99, 23773), (140, 23809), (207, 23830), (220, 23887), (234, 23947), (247, 24001), (257, 24061), (280, 24181), (281, 24184), (301, 24253), (304, 24277), (317, 24370), (321, 24391), (331, 24436), (402, 24766), (426, 24835), (454, 24898), (519, 25069),

Gene: WalterMcMickey_33 Start: 23481, Stop: 25316, Start Num: 16

Candidate Starts for WalterMcMickey_33:

(Start: 16 @23481 has 169 MA's), (25, 23514), (52, 23664), (101, 23889), (102, 23910), (104, 23937), (229, 24117), (237, 24150), (239, 24168), (244, 24192), (262, 24300), (291, 24432), (305, 24489), (308, 24522), (317, 24579), (329, 24633), (332, 24648), (341, 24702), (360, 24810), (365, 24825), (368, 24849), (372, 24864), (393, 24936), (404, 24981), (410, 24999), (418, 25020), (419, 25023), (453, 25098), (458, 25113), (496, 25194), (505, 25224), (514, 25254), (524, 25299), (525, 25302),

Gene: Wander_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Wander_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (314, 24046), (316, 24055), (337, 24160), (344, 24199), (355, 24244), (385, 24406), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Watson_33 Start: 23269, Stop: 25026, Start Num: 15

Candidate Starts for Watson_33:

(Start: 15 @23269 has 86 MA's), (38, 23404), (53, 23470), (62, 23515), (69, 23551), (99, 23683), (140, 23719), (207, 23740), (220, 23797), (234, 23857), (247, 23911), (257, 23971), (280, 24091), (281, 24094), (301, 24163), (304, 24187), (317, 24280), (321, 24301), (331, 24346), (402, 24676), (426, 24745), (454, 24808), (519, 24979),

Gene: WeiHuaDA_37 Start: 25110, Stop: 26891, Start Num: 19

Candidate Starts for WeiHuaDA_37:

(Start: 19 @25110 has 5 MA's), (38, 25227), (40, 25236), (69, 25368), (130, 25527), (217, 25635), (218, 25638), (237, 25725), (239, 25743), (244, 25767), (281, 25968), (291, 26007), (308, 26097), (317, 26154), (329, 26208), (341, 26277), (364, 26394), (372, 26439), (410, 26574), (418, 26595), (427, 26616), (457, 26682), (496, 26769), (505, 26799), (514, 26829), (524, 26874),

Gene: Whabigail7_33 Start: 23254, Stop: 25458, Start Num: 21

Candidate Starts for Whabigail7_33:

(Start: 21 @23254 has 44 MA's), (38, 23368), (40, 23377), (48, 23410), (61, 23467), (88, 23605), (128, 23794), (155, 23929), (162, 23971), (174, 24043), (237, 24283), (239, 24301), (244, 24325), (262, 24433), (281, 24526), (291, 24565), (308, 24655), (317, 24712), (318, 24715), (330, 24772), (331, 24778), (339, 24817), (342, 24838), (378, 25027), (389, 25054), (443, 25207), (453, 25231), (477, 25285), (480, 25288), (498, 25327), (500, 25333), (514, 25381),

Gene: WideWale_33 Start: 23218, Stop: 25425, Start Num: 21

Candidate Starts for WideWale_33:

(Start: 21 @23218 has 44 MA's), (38, 23332), (40, 23341), (41, 23347), (47, 23368), (69, 23479), (88, 23569), (91, 23581), (128, 23758), (137, 23797), (155, 23893), (217, 24154), (237, 24244), (242, 24274), (244, 24286), (280, 24484), (308, 24625), (312, 24646), (329, 24736), (330, 24742), (331, 24748), (339, 24787), (342, 24808), (350, 24844), (351, 24847), (360, 24913), (365, 24928), (366, 24931), (368, 24952), (374, 24985), (419, 25129), (442, 25177), (472, 25240), (500, 25300), (514, 25348), (524, 25402),

Gene: Wilbur_31 Start: 22960, Stop: 24816, Start Num: 16

Candidate Starts for Wilbur_31:

(Start: 16 @22960 has 169 MA's), (38, 23086), (44, 23110), (66, 23215), (67, 23221), (74, 23269), (77, 23278), (87, 23320), (99, 23365), (124, 23371), (204, 23476), (208, 23488), (226, 23566), (239, 23635), (277, 23863), (284, 23887), (285, 23890), (292, 23917), (294, 23920), (310, 24025), (316, 24055), (318, 24070), (337, 24160), (344, 24199), (355, 24244), (388, 24412), (422, 24529), (425, 24535), (446, 24580), (465, 24631), (467, 24634), (497, 24697), (500, 24706), (522, 24793),

Gene: Wile_31 Start: 22982, Stop: 24841, Start Num: 16

Candidate Starts for Wile_31:

(12, 22922), (13, 22937), (Start: 16 @22982 has 169 MA's), (31, 23048), (34, 23093), (36, 23099), (44, 23132), (48, 23150), (58, 23195), (60, 23201), (61, 23207), (77, 23300), (81, 23315), (99, 23387), (147, 23447), (204, 23498), (208, 23510), (226, 23588), (239, 23657), (259, 23780), (263, 23804), (277, 23885), (288, 23930), (292, 23939), (294, 23942), (314, 24071), (316, 24080), (324, 24122), (330,

24149), (337, 24185), (341, 24212), (344, 24224), (371, 24380), (422, 24554), (425, 24560), (446, 24605), (465, 24656), (467, 24659), (484, 24695), (500, 24731),

Gene: Wizard007_31 Start: 22962, Stop: 24818, Start Num: 16

Candidate Starts for Wizard007_31:

(Start: 16 @22962 has 169 MA's), (38, 23088), (44, 23112), (66, 23217), (67, 23223), (74, 23271), (77, 23280), (87, 23322), (99, 23367), (124, 23373), (204, 23478), (208, 23490), (226, 23568), (239, 23637), (277, 23865), (284, 23889), (285, 23892), (292, 23919), (294, 23922), (310, 24027), (316, 24057), (318, 24072), (337, 24162), (344, 24201), (355, 24246), (388, 24414), (422, 24531), (425, 24537), (446, 24582), (465, 24633), (467, 24636), (497, 24699), (500, 24708), (522, 24795),

Gene: Wooldri_35 Start: 23188, Stop: 24945, Start Num: 15

Candidate Starts for Wooldri_35:

(Start: 15 @23188 has 86 MA's), (38, 23323), (53, 23389), (62, 23434), (69, 23470), (99, 23602), (140, 23638), (207, 23659), (220, 23716), (234, 23776), (247, 23830), (257, 23890), (280, 24010), (281, 24013), (301, 24082), (304, 24106), (317, 24199), (321, 24220), (331, 24265), (402, 24595), (426, 24664), (454, 24727), (519, 24898),

Gene: WorldCup_29 Start: 22236, Stop: 23978, Start Num: 21

Candidate Starts for WorldCup_29:

(Start: 21 @22236 has 44 MA's), (23, 22242), (40, 22359), (48, 22392), (71, 22509), (76, 22539), (89, 22587), (92, 22596), (93, 22599), (181, 22686), (206, 22731), (215, 22758), (231, 22833), (248, 22911), (258, 22977), (283, 23103), (367, 23535), (376, 23580), (413, 23712), (470, 23853), (474, 23865), (492, 23904), (512, 23967),

Gene: Xena_31 Start: 22969, Stop: 24828, Start Num: 16

Candidate Starts for Xena_31:

(12, 22909), (Start: 16 @22969 has 169 MA's), (31, 23035), (34, 23080), (36, 23086), (44, 23119), (48, 23137), (58, 23182), (60, 23188), (61, 23194), (77, 23287), (81, 23302), (99, 23374), (147, 23434), (204, 23485), (208, 23497), (226, 23575), (239, 23644), (259, 23767), (263, 23791), (277, 23872), (288, 23917), (292, 23926), (294, 23929), (314, 24058), (316, 24067), (324, 24109), (330, 24136), (337, 24172), (341, 24199), (344, 24211), (371, 24367), (422, 24541), (425, 24547), (446, 24592), (465, 24643), (467, 24646), (484, 24682), (500, 24718),

Gene: XianYue_31 Start: 22723, Stop: 24396, Start Num: 19

Candidate Starts for XianYue_31:

(Start: 19 @22723 has 5 MA's), (38, 22840), (40, 22849), (41, 22855), (47, 22876), (53, 22906), (69, 22987), (140, 23155), (149, 23179), (216, 23287), (232, 23353), (290, 23620), (335, 23833), (372, 24019), (384, 24064), (387, 24073), (405, 24124), (408, 24142), (500, 24361), (507, 24388),

Gene: Yecey3_32 Start: 22435, Stop: 24132, Start Num: 19

Candidate Starts for Yecey3_32:

(Start: 19 @22435 has 5 MA's), (35, 22540), (48, 22594), (54, 22624), (67, 22687), (71, 22711), (141, 22789), (148, 22810), (150, 22813), (200, 22864), (204, 22885), (223, 22963), (224, 22966), (287, 23278), (289, 23281), (298, 23314), (299, 23320), (309, 23404), (311, 23410), (313, 23425), (326, 23485), (356, 23617), (370, 23704), (411, 23839), (420, 23866), (456, 23941), (461, 23956), (474, 23992), (485, 24016), (499, 24049), (502, 24061),

Gene: YoSam321_31 Start: 22957, Stop: 24813, Start Num: 16

Candidate Starts for YoSam321_31:

(Start: 16 @22957 has 169 MA's), (38, 23083), (44, 23107), (66, 23212), (67, 23218), (74, 23266), (77, 23275), (87, 23317), (99, 23362), (124, 23368), (204, 23473), (208, 23485), (226, 23563), (239, 23632), (277, 23860), (284, 23884), (285, 23887), (292, 23914), (294, 23917), (310, 24022), (316,

24052), (318, 24067), (337, 24157), (344, 24196), (355, 24241), (388, 24409), (422, 24526), (425, 24532), (446, 24577), (465, 24628), (467, 24631), (497, 24694), (500, 24703), (522, 24790),

Gene: Zarafa_31 Start: 22901, Stop: 24760, Start Num: 115

Candidate Starts for Zarafa_31:

(Start: 115 @22901 has 34 MA's), (135, 23027), (138, 23036), (152, 23102), (153, 23123), (161, 23165), (191, 23321), (197, 23369), (203, 23438), (205, 23444), (212, 23474), (237, 23582), (239, 23600), (244, 23624), (291, 23864), (308, 23954), (330, 24071), (351, 24176), (360, 24242), (365, 24257), (407, 24428), (454, 24533), (478, 24587), (498, 24626), (514, 24680), (517, 24707), (522, 24731),

Gene: Zetzy_32 Start: 22817, Stop: 24574, Start Num: 15

Candidate Starts for Zetzy_32:

(Start: 15 @22817 has 86 MA's), (38, 22952), (53, 23018), (62, 23063), (94, 23210), (140, 23267), (207, 23288), (234, 23405), (247, 23459), (257, 23519), (273, 23612), (280, 23639), (281, 23642), (301, 23711), (304, 23735), (309, 23780), (319, 23840), (321, 23849), (331, 23894), (339, 23933), (351, 23990), (402, 24224), (426, 24293), (454, 24356), (505, 24464),