

Pham 212289

171: Oniv18Star_34	25	34	41	51	60	68	76	80	88	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213						
172: Avatar_318_1	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
173: Faiza_32	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
174: Emiley_32	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
175: Secretaria_32	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
176: Penito_33	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
177: Trujillo_34	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
178: Sofwan_35	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
179: Equiemama_35	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1710: Citrus_36	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1711: Mesity_35	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1712: OlgasCkser_34	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1713: Ontou_34	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1714: Count_34	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1715: DizzyRissy_26	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1716: Camilla_26	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1717: Damasis_26	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1718: Jazzy_26	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1719: Arzan_35	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1720: Paelia_35+2	26	32	35	43	54	60	67	70	78	82	90	98	106	114	123	131	144	152	159	162	168	184	185	200	209	213				
1721: Gandicco_43	27	34	38	44	51	57	64	71	78	85	92	99	106	113	120	127	134	141	148	155	162	169	176	183	190	197	204	211	218	225
1722: Eevee_27+2	27	34	38	44	51	57	64	71	78	85	92	99	106	113	120	127	134	141	148	155	162	169	176	183	190	197	204	211	218	225
1723: SweetLover_27	27	34	38	44	51	57	64	71	78	85	92	99	106	113	120	127	134	141	148	155	162	169	176	183	190	197	204	211	218	225
1724: Pippin_27	27	34	38	44	51	57	64	71	78	85	92	99	106	113	120	127	134	141	148	155	162	169	176	183	190	197	204	211	218	225
1725: Serenadean_27	27	34	38	44	51	57	64	71	78	85	92	99	106	113	120	127	134	141	148	155	162	169	176	183	190	197	204	211	218	225
1726: Daddy_27	27	34	38	44	51	57	64	71	78	85	92	99	106	113	120	127	134	141	148	155	162	169	176	183	190	197	204	211	218	225
1727: AdorRose_27	27	34	38	44	51	57	64	71	78	85	92	99	106	113	120	127	134	141	148	155	162	169	176	183	190	197	204	211	218	225

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 212289 Report

This analysis was run 02/22/25 on database version 588.

Pham number 212289 has 218 members, 51 are drafts.

Phages represented in each track:

- Track 1 : Elsa_24, NapoleonB_23, Bowling_23, Arcadia_24, Dynamite_23, Nason_24
- Track 2 : Xenomorph_22
- Track 3 : Mooshroom_23, KeaneyLin_22, GoCrazy_22, Kardesai_22
- Track 4 : Benllo_22, BenitoAntonio_24, Circum_24, JEGGS_23, Cheesy_24, Mudcat_23, Heisenberger_23
- Track 5 : Hankly_22
- Track 6 : Correa_23
- Track 7 : Tribby_24
- Track 8 : Inked_30
- Track 9 : MiniBagel_28, CapnMurica_28, Tenno_29
- Track 10 : CastorTray_30
- Track 11 : Synopsis_27, Trustiboi_29
- Track 12 : LucySwiss_28
- Track 13 : ElephantMan_28, Niktson_28
- Track 14 : AreFloNak_28, Tatanka_28, Nivinsha_28
- Track 15 : Brunswick_28
- Track 16 : Issa_28, Nightmare_29
- Track 17 : Teacup_28
- Track 18 : ScienceWizSam_30
- Track 19 : Acai_28
- Track 20 : Gordon_28
- Track 21 : Breylor17_29, Darby_28
- Track 22 : DevitoJr_28
- Track 23 : LilHuddy_29
- Track 24 : Shepard_29
- Track 25 : Tokki_29
- Track 26 : Bouchard_29
- Track 27 : Chlochlo_29
- Track 28 : Phaby_29
- Track 29 : Giantsbane_29
- Track 30 : Zippen_28
- Track 31 : Ingrid_28, Loretta_28
- Track 32 : MediumFry_26
- Track 33 : Caterpillar_26
- Track 34 : Makai_28
- Track 35 : Truckee_27

- Track 36 : Lewando_31
- Track 37 : TrixiePhattel_29
- Track 38 : Navi1117_29
- Track 39 : Argan_27
- Track 40 : Kinny_31
- Track 41 : KevinMinion_28
- Track 42 : Renaldo_33
- Track 43 : Phaila_27, Zeina_28
- Track 44 : BarbieDoll_31
- Track 45 : Leathea_28
- Track 46 : Tenney120_29, Uzumaki_28, GantcherGoblin_27
- Track 47 : Biscute_32
- Track 48 : Natasha_24
- Track 49 : Raunak_25, ProfFrink_25, Stayer_25, StarLord_25, Salk_25, Egad_25, Boog_24, BronxBay_25, Shiba_25, MrAaronian_25, Linda_25, Michelle_25, HerbBucket_24, Sloopyjoe_25, Djungelskog_25
- Track 50 : RustyBoy_24
- Track 51 : PowellDog_26
- Track 52 : DoctorPepper_25
- Track 53 : Sporto_26
- Track 54 : Indigenous_25, Maya_25, Meibysrarus_25, Hoshi_25, TonyStarch_25, Namu_25, Jaylociraptor_25, Spectropatronm_25, TieDye_24, IceWarrior_25, FidgetOrca_25
- Track 55 : HazuAndZazu_25
- Track 56 : TaidaOne_25, CherryBlossom_25
- Track 57 : FrodoSwaggins_25, Popy_25, Soshi_25, DrGrey_25
- Track 58 : OlympicHelado_25, Rima_25, Esketit_25
- Track 59 : Madamoto_25
- Track 60 : GirlPower_24
- Track 61 : Bilo_21
- Track 62 : RavenPuff_20
- Track 63 : Scap1_21
- Track 64 : HotFries_20
- Track 65 : Annihilus_21, Moozy_21
- Track 66 : GoblinVoyage_21, Doxi13_21
- Track 67 : PherryCruz_20
- Track 68 : RosaAsantewaa_21
- Track 69 : SheRa_21
- Track 70 : LibertyBell_23
- Track 71 : CricKo_23, Thiqqums_23, FromIndy_24, Regigigas_24, Rainydai_23
- Track 72 : Miek_23, SendItCS_22
- Track 73 : Bing_26
- Track 74 : Kardashian_24
- Track 75 : ClubPenguin_24
- Track 76 : Pepy6_037
- Track 77 : Poco6_038
- Track 78 : Figliar_34
- Track 79 : JulesRay_33, Dancer_33
- Track 80 : Madvan_34, Zeph_35, Hydrus_35, Crocheter_34, Nadmeg_35
- Track 81 : Vardy_34
- Track 82 : Hortihabitatio_35
- Track 83 : Phepper_34
- Track 84 : BluerMoon_37, TenaciousP_35, Aflac_34, MajinBuu_35

- Track 85 : Perunas_33, Talon44_33
- Track 86 : AlainaMarie_34
- Track 87 : Runhaar_34, Burley_34
- Track 88 : BetterYeti_36, Gusicorn_37, ShaggyRogers_37
- Track 89 : Rickmore_33
- Track 90 : Chikenjars_34
- Track 91 : Duffington_34
- Track 92 : Nithya_34, EndAve_34
- Track 93 : Kenosha_34
- Track 94 : Tanis_31, Capybara_31, Gravy_31, Kerry_31, NoPickles_31, Odesza_31, Magel_32
- Track 95 : Pherobrine_33
- Track 96 : Arataki_32, Demure_33
- Track 97 : Gill_31, Roney_31
- Track 98 : FortCran_31, Artorias_31
- Track 99 : Jodelie19_35
- Track 100 : Mysticmoon_34
- Track 101 : OhMyWard_34
- Track 102 : Avazak_31, Captrips_31
- Track 103 : Fazel_32
- Track 104 : Conley_32
- Track 105 : Secretariat_32
- Track 106 : Petito_33
- Track 107 : Trufflozitus_34
- Track 108 : Schwartz33_35
- Track 109 : Eddiemania_35
- Track 110 : Citrus_33
- Track 111 : Mossy_35
- Track 112 : OlgasClover_34
- Track 113 : Untouchable_34
- Track 114 : Count_32
- Track 115 : DizzyRudy_26
- Track 116 : Camille_26
- Track 117 : Damascus_26
- Track 118 : Jazzy4900_26, Sunny4976_25
- Track 119 : Arzan_24
- Track 120 : Paella_42, Qui_42, Elver_41
- Track 121 : Gandionco_43
- Track 122 : Eevee_28, JoyLin_28, Yotsuba_28
- Track 123 : Sweetclover_26
- Track 124 : Pippin15_27
- Track 125 : Serenabean_27
- Track 126 : Daddyjeff_27
- Track 127 : AddiRose_27

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

The start number called the most often in the published annotations is 12, it was called in 95 of the 167 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acai_28, AddiRose_27, Annihilus_21, AreFloNak_28, Argan_27, Arzan_24, BarbieDoll_31, Bilo_21, Bing_26, Biscute_32, Boog_24, Bouchard_29, Breylor17_29, BronxBay_25, Brunswick_28, CapnMurica_28, CastorTray_30, Caterpillar_26, CherryBlossom_25, Chlochlo_29, ClubPenguin_24, Count_32, CricKo_23, Daddyjeff_27, Damascus_26, Darby_28, DevitoJr_28, DizzyRudy_26, Djungelskog_25, DoctorPepper_25, Doxi13_21, DrGrey_25, Eevee_28, Egad_25, Elver_41, FidgetOrca_25, FrodoSwaggins_25, FromIndy_24, Gandionco_43, GantcherGoblin_27, Giantsbane_29, GirlPower_24, GoblinVoyage_21, Gordon_28, HazuAndZazu_25, HerbBucket_24, Hoshi_25, HotFries_20, IceWarrior_25, Indigenous_25, Ingrid_28, Inked_30, Issa_28, Jaylociraptor_25, Jazzy4900_26, JoyLin_28, Kardashian_24, KevinMinion_28, Kinny_31, Leathea_28, Lewando_31, LibertyBell_23, LilHuddy_29, Linda_25, Loretta_28, LucySwiss_28, Madamoto_25, Makai_28, Maya_25, MediumFry_26, Meibysrarus_25, Michelle_25, Miek_23, MiniBagel_28, Moozy_21, MrAaronian_25, Namu_25, Natasha_24, Navi1117_29, Nightmare_29, Nivinsha_28, Paella_42, Phaby_29, Phaila_27, Pippin15_27, Popy_25, PowellDog_26, ProfFrink_25, Qui_42, Rainydai_23, Raunak_25, RavenPuff_20, Regigigas_24, Renaldo_33, RosaAsantewaa_21, RustyBoy_24, Salk_25, Scap1_21, ScienceWizSam_30, SendItCS_22, Serenabean_27, SheRa_21, Shepard_29, Shiba_25, Sloopyjoe_25, Soshi_25, Spectropatronm_25, Sporto_26, StarLord_25, Stayer_25, Sunny4976_25, Sweetclover_26, TaidaOne_25, Tatanka_28, Teacup_28, Tenney120_29, Tenno_29, Thiqqums_23, TieDye_24, Tokki_29, TonyStarch_25, Truckee_27, Uzumaki_28, Yotsuba_28, Zeina_28, Zippen_28,

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

- Camille_26, ElephantMan_28, Esketit_25, Niktson_28, OlympicHelado_25, PherryCruz_20, Rima_25, Synopsis_27, TrixiePhattel_29, Trustiboi_29,

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

- Aflac_34, AlainaMarie_34, Arataki_32, Arcadia_24, Artorias_31, Avazak_31, BenitoAntonio_24, Benllo_22, BetterYeti_36, BluerMoon_37, Bowling_23, Burley_34, Captrips_31, Capybara_31, Cheesy_24, Chikenjars_34, Circum_24, Citrus_33, Conley_32, Correa_23, Crocheter_34, Dancer_33, Demure_33, Duffington_34, Dynamite_23, Eddiemania_35, Elsa_24, EndAve_34, Fazel_32, Figliar_34, FortCran_31, Gill_31, GoCrazy_22, Gravy_31, Gusicorn_37, Hankly_22, Heisenberger_23, Hortihabitatio_35, Hydrus_35, JEGGS_23, Jodelie19_35, JulesRay_33, Kardesai_22, KeaneyLin_22, Kenosha_34, Kerry_31, Madvan_34, Magel_32, MajinBuu_35, Mooshroom_23, Mossy_35, Mudcat_23, Mysticmoon_34, Nadmeg_35, NapoleonB_23, Nason_24, Nithya_34, NoPickles_31, Odesza_31, OhMyWard_34, OlgasClover_34, Pepy6_037, Perkunas_33, Petito_33, Phepper_34, Pherobrine_33, Poco6_038, Rickmore_33, Roney_31, Runhaar_34, Schwartz33_35, Secretariat_32, ShaggyRogers_37, Talon44_33, Tanis_31, TenaciousP_35, Tribby_24, Trufflozitus_34, Untouchable_34, Vardy_34, Xenomorph_22, Zeph_35,

Summary by start number:

Start 2:

- Found in 64 of 218 (29.4%) of genes in pham
- Manual Annotations of this start: 44 of 167
- Called 93.8% of time when present
- Phage (with cluster) where this start called: Aflac_34 (DJ), AlainaMarie_34 (DJ), Arataki_32 (DJ), Artorias_31 (DJ), Avazak_31 (DJ), BetterYeti_36 (DJ),

BluerMoon_37 (DJ), Burley_34 (DJ), Captrips_31 (DJ), Capybara_31 (DJ), Chickenjars_34 (DJ), Citrus_33 (DJ), Conley_32 (DJ), Crocheter_34 (DJ), Dancer_33 (DJ), Demure_33 (DJ), Duffington_34 (DJ), Eddiemania_35 (DJ), EndAve_34 (DJ), Fazel_32 (DJ), Figliar_34 (DJ), FortCran_31 (DJ), Gill_31 (DJ), Gravy_31 (DJ), Gusicorn_37 (DJ), Hortihabitatio_35 (DJ), Hydrus_35 (DJ), Jodelie19_35 (DJ), JulesRay_33 (DJ), Kenosha_34 (DJ), Kerry_31 (DJ), Madvan_34 (DJ), Magel_32 (DJ), MajinBuu_35 (DJ), Mossy_35 (DJ), Nadmeg_35 (DJ), Nithya_34 (DJ), NoPickles_31 (DJ), Odesza_31 (DJ), OhMyWard_34 (DJ), OlgasClover_34 (DJ), Pepy6_037 (CC), Perkunas_33 (DJ), Petite_33 (DJ), Phepper_34 (DJ), Pherobrine_33 (DJ), Poco6_038 (CC), Rickmore_33 (DJ), Roney_31 (DJ), Runhaar_34 (DJ), Schwartz33_35 (DJ), Secretariat_32 (DJ), ShaggyRogers_37 (DJ), Talon44_33 (DJ), Tanis_31 (DJ), TenaciousP_35 (DJ), Trufflozitus_34 (DJ), Untouchable_34 (DJ), Vardy_34 (DJ), Zeph_35 (DJ),

Start 3:

- Found in 5 of 218 (2.3%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Mysticmoon_34 (DJ),

Start 9:

- Found in 21 of 218 (9.6%) of genes in pham
- Manual Annotations of this start: 19 of 167
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arcadia_24 (AM), BenitoAntonio_24 (AM), Benllo_22 (AM), Bowling_23 (AM), Cheesy_24 (AM), Circum_24 (AM), Correa_23 (AM), Dynamite_23 (AM), Elsa_24 (AM), GoCrazy_22 (AM), Hankly_22 (AM), Heisenberger_23 (AM), JEGGS_23 (AM), Kardesai_22 (AM), KeaneyLin_22 (AM), Mooshroom_23 (AM), Mudcat_23 (AM), NapoleonB_23 (AM), Nason_24 (AM), Tribby_24 (AM), Xenomorph_22 (AM),

Start 11:

- Found in 73 of 218 (33.5%) of genes in pham
- Manual Annotations of this start: 9 of 167
- Called 12.3% of time when present
- Phage (with cluster) where this start called: Camille_26 (EL), ElephantMan_28 (AU1), Esketit_25 (BI1), Niktson_28 (AU1), OlympicHelado_25 (BI1), PherryCruz_20 (BI2), Rima_25 (BI1), Synepsis_27 (AU1), Trustiboi_29 (AU1),

Start 12:

- Found in 136 of 218 (62.4%) of genes in pham
- Manual Annotations of this start: 95 of 167
- Called 92.6% of time when present
- Phage (with cluster) where this start called: Acai_28 (AU1), AddiRose_27 (JA), Annihilus_21 (BI2), AreFloNak_28 (AU1), Argan_27 (AU6), Arzan_24 (FI), BarbieDoll_31 (AU6), Bilo_21 (BI2), Bing_26 (BI5), Biscute_32 (AU6), Boog_24 (AW), Bouchard_29 (AU2), Breylor17_29 (AU1), BronxBay_25 (AW), Brunswick_28 (AU1), CapnMurica_28 (AU1), CastorTray_30 (AU1), Caterpillar_26 (AU4), CherryBlossom_25 (BI1), Chlochlo_29 (AU2), ClubPenguin_24 (BI7), Count_32 (EL), CricKo_23 (BI4), Daddyjeff_27 (JA), Damascus_26 (EL), Darby_28 (AU1), DevitoJr_28 (AU1), DizzyRudy_26 (EL), Djungelskog_25 (AW), DoctorPepper_25 (AW), Doxi13_21 (BI2), DrGrey_25 (BI1), Eevee_28 (JA), Egad_25 (AW), Elver_41 (FK), FidgetOrca_25 (BI1), FrodoSwaggins_25 (BI1), FromIndy_24 (BI4),

Gandionco_43 (FK), GantcherGoblin_27 (AU6), Giantsbane_29 (AU2), GirlPower_24 (BI1), GoblinVoyage_21 (BI2), Gordon_28 (AU1), HazuAndZazu_25 (BI1), HerbBucket_24 (AW), Hoshi_25 (BI1), HotFries_20 (BI2), IceWarrior_25 (BI1), Indigenous_25 (BI1), Ingrid_28 (AU3), Inked_30 (AU), Issa_28 (AU1), Jaylociraptor_25 (BI1), Jazzy4900_26 (FI), JoyLin_28 (JA), Kardashian_24 (BI6), KevinMinion_28 (AU6), Kinny_31 (AU6), Leatheia_28 (AU6), Lewando_31 (AU6), LibertyBell_23 (BI3), LilHuddy_29 (AU2), Linda_25 (AW), Loretta_28 (AU3), LucySwiss_28 (AU1), Madamato_25 (BI1), Makai_28 (AU5), Maya_25 (BI1), MediumFry_26 (AU4), Meibysrarus_25 (BI1), Michelle_25 (AW), Miek_23 (BI4), MiniBagel_28 (AU1), Moozy_21 (BI2), MrAaronian_25 (AW), Namu_25 (BI1), Natasha_24 (AW), Navi1117_29 (AU6), Nightmare_29 (AU1), Nivinsha_28 (AU1), Paella_42 (FK), Phaby_29 (AU2), Phaila_27 (AU6), Pippin15_27 (JA), Popy_25 (BI1), PowellDog_26 (AW), ProfFrink_25 (AW), Qui_42 (FK), Rainydai_23 (BI4), Raunak_25 (AW), RavenPuff_20 (BI2), Regigigas_24 (BI4), Renaldo_33 (AU6), RosaAsantewaa_21 (BI2), RustyBoy_24 (AW), Salk_25 (AW), Scap1_21 (BI2), ScienceWizSam_30 (AU1), SendItCS_22 (BI4), Serenabean_27 (JA), SheRa_21 (BI2), Shepard_29 (AU2), Shiba_25 (AW), Sloopyjoe_25 (AW), Soshi_25 (BI1), Spectropatronm_25 (BI1), Sporto_26 (AW), StarLord_25 (AW), Stayer_25 (AW), Sunny4976_25 (FI), Sweetclover_26 (JA), TaidaOne_25 (BI1), Tatanka_28 (AU1), Teacup_28 (AU1), Tenney120_29 (AU6), Tenno_29 (AU1), Thiqqums_23 (BI4), TieDye_24 (BI1), Tokki_29 (AU2), TonyStarch_25 (BI1), Truckee_27 (AU5), Uzumaki_28 (AU6), Yotsuba_28 (JA), Zeina_28 (AU6), Zippen_28 (AU3),

Start 42:

- Found in 141 of 218 (64.7%) of genes in pham
- No Manual Annotations of this start.
- Called 0.7% of time when present
- Phage (with cluster) where this start called: TrixiePhattel_29 (AU6),

Summary by clusters:

There are 22 clusters represented in this pham: DJ, FI, FK, JA, AU1, AU3, AU2, AU5, AU4, AU6, EL, CC, AM, AU, AW, BI6, BI7, BI4, BI5, BI2, BI3, BI1,

Info for manual annotations of cluster AM:

- Start number 9 was manually annotated 19 times for cluster AM.

Info for manual annotations of cluster AU:

- Start number 12 was manually annotated 1 time for cluster AU.

Info for manual annotations of cluster AU1:

- Start number 11 was manually annotated 4 times for cluster AU1.
- Start number 12 was manually annotated 13 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 12 was manually annotated 5 times for cluster AU2.

Info for manual annotations of cluster AU3:

- Start number 12 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:

- Start number 12 was manually annotated 2 times for cluster AU4.

Info for manual annotations of cluster AU5:

- Start number 12 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU6:

- Start number 12 was manually annotated 5 times for cluster AU6.

Info for manual annotations of cluster AW:

- Start number 12 was manually annotated 14 times for cluster AW.

Info for manual annotations of cluster BI1:

- Start number 11 was manually annotated 3 times for cluster BI1.
- Start number 12 was manually annotated 20 times for cluster BI1.

Info for manual annotations of cluster BI2:

- Start number 11 was manually annotated 1 time for cluster BI2.
- Start number 12 was manually annotated 10 times for cluster BI2.

Info for manual annotations of cluster BI3:

- Start number 12 was manually annotated 1 time for cluster BI3.

Info for manual annotations of cluster BI4:

- Start number 12 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster BI5:

- Start number 12 was manually annotated 1 time for cluster BI5.

Info for manual annotations of cluster BI6:

- Start number 12 was manually annotated 1 time for cluster BI6.

Info for manual annotations of cluster BI7:

- Start number 12 was manually annotated 1 time for cluster BI7.

Info for manual annotations of cluster DJ:

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

Info for manual annotations of cluster EL:

- Start number 11 was manually annotated 1 time for cluster EL.
- Start number 12 was manually annotated 3 times for cluster EL.

Info for manual annotations of cluster FK:

- Start number 12 was manually annotated 2 times for cluster FK.

Info for manual annotations of cluster JA:

- Start number 12 was manually annotated 7 times for cluster JA.

Gene Information:

Gene: Acai_28 Start: 25510, Stop: 26670, Start Num: 12

Candidate Starts for Acai_28:

(Start: 11 @25507 has 9 MA's), (Start: 12 @25510 has 95 MA's), (13, 25516), (32, 25648), (34, 25651), (42, 25696), (56, 25777), (93, 25945), (103, 26002), (110, 26041), (142, 26194), (191, 26365), (198, 26407), (201, 26416), (204, 26455), (209, 26488), (213, 26518), (216, 26542), (220, 26584),

Gene: AddiRose_27 Start: 23970, Stop: 25037, Start Num: 12

Candidate Starts for AddiRose_27:

(Start: 12 @23970 has 95 MA's), (19, 24012), (36, 24123), (39, 24132), (42, 24156), (58, 24237), (106, 24450), (114, 24480), (117, 24495), (125, 24534), (215, 24954), (223, 25026),

Gene: Aflac_34 Start: 29477, Stop: 30910, Start Num: 2

Candidate Starts for Aflac_34:

(Start: 2 @29477 has 44 MA's), (25, 29687), (34, 29723), (44, 29774), (57, 29855), (68, 29918), (70, 29927), (75, 29948), (77, 29960), (90, 30032), (94, 30044), (141, 30284), (144, 30293), (146, 30311), (150, 30335), (159, 30404), (184, 30578), (185, 30605), (188, 30623), (200, 30698), (207, 30767), (208, 30770), (213, 30803), (218, 30863),

Gene: AlainaMarie_34 Start: 29461, Stop: 30894, Start Num: 2

Candidate Starts for AlainaMarie_34:

(Start: 2 @29461 has 44 MA's), (6, 29512), (7, 29524), (14, 29578), (25, 29671), (34, 29707), (44, 29758), (57, 29839), (68, 29902), (70, 29911), (75, 29932), (77, 29944), (90, 30016), (141, 30268), (144, 30277), (146, 30295), (150, 30319), (159, 30388), (184, 30562), (185, 30589), (188, 30607), (200, 30682), (207, 30751), (208, 30754), (213, 30787),

Gene: Annihilus_21 Start: 19555, Stop: 20718, Start Num: 12

Candidate Starts for Annihilus_21:

(Start: 11 @19552 has 9 MA's), (Start: 12 @19555 has 95 MA's), (25, 19660), (32, 19693), (40, 19720), (42, 19741), (43, 19744), (44, 19747), (50, 19789), (57, 19825), (60, 19837), (83, 19945), (112, 20095), (115, 20107), (124, 20152), (138, 20221), (156, 20317), (175, 20359), (194, 20422), (205, 20500), (209, 20530), (213, 20557), (215, 20563), (216, 20581),

Gene: Arataki_32 Start: 28570, Stop: 30003, Start Num: 2

Candidate Starts for Arataki_32:

(1, 28564), (Start: 2 @28570 has 44 MA's), (14, 28687), (16, 28699), (25, 28780), (34, 28816), (44, 28867), (57, 28948), (68, 29011), (75, 29041), (77, 29053), (90, 29125), (92, 29131), (94, 29137), (131, 29329), (141, 29377), (144, 29386), (150, 29428), (159, 29497), (168, 29560), (169, 29563), (184, 29671), (185, 29698), (188, 29716), (200, 29791), (207, 29860), (208, 29863), (209, 29866), (213, 29896), (218, 29956),

Gene: Arcadia_24 Start: 23000, Stop: 24061, Start Num: 9

Candidate Starts for Arcadia_24:

(Start: 9 @23000 has 19 MA's), (15, 23030), (19, 23057), (42, 23201), (106, 23486), (137, 23615), (138, 23624), (195, 23843), (197, 23864),

Gene: AreFloNak_28 Start: 25471, Stop: 26631, Start Num: 12

Candidate Starts for AreFloNak_28:

(Start: 11 @25468 has 9 MA's), (Start: 12 @25471 has 95 MA's), (13, 25477), (21, 25522), (32, 25609), (34, 25612), (42, 25657), (54, 25729), (67, 25777), (84, 25864), (93, 25906), (103, 25963), (110, 26002), (137, 26128), (142, 26155), (149, 26191), (175, 26275), (191, 26326), (198, 26368), (209, 26449), (213, 26479), (220, 26545),

Gene: Argan_27 Start: 24421, Stop: 25584, Start Num: 12

Candidate Starts for Argan_27:

(Start: 12 @24421 has 95 MA's), (25, 24526), (27, 24532), (42, 24607), (44, 24613), (50, 24652), (85, 24817), (88, 24838), (112, 24958), (126, 25033), (133, 25057), (149, 25138), (151, 25156), (167, 25192), (173, 25216), (174, 25219), (207, 25390), (209, 25396), (213, 25426),

Gene: Artorias_31 Start: 26462, Stop: 27889, Start Num: 2

Candidate Starts for Artorias_31:

(Start: 2 @26462 has 44 MA's), (10, 26555), (19, 26609), (35, 26714), (41, 26750), (51, 26804), (68, 26903), (70, 26912), (77, 26945), (80, 26960), (90, 27017), (98, 27056), (114, 27140), (140, 27269), (144, 27281), (152, 27335), (159, 27392), (172, 27491), (184, 27566), (185, 27593), (198, 27680), (200, 27686), (201, 27689), (206, 27752), (207, 27755), (208, 27758), (209, 27761), (213, 27791), (221, 27863),

Gene: Arzan_24 Start: 23144, Stop: 24307, Start Num: 12

Candidate Starts for Arzan_24:

(Start: 11 @23141 has 9 MA's), (Start: 12 @23144 has 95 MA's), (13, 23150), (17, 23171), (25, 23249), (26, 23252), (42, 23330), (50, 23378), (54, 23402), (66, 23444), (138, 23810), (142, 23828), (145, 23840), (152, 23885), (153, 23888), (173, 23942), (174, 23945), (193, 24002), (213, 24146),

Gene: Avazak_31 Start: 26469, Stop: 27896, Start Num: 2

Candidate Starts for Avazak_31:

(Start: 2 @26469 has 44 MA's), (10, 26562), (35, 26721), (41, 26757), (51, 26811), (68, 26910), (70, 26919), (77, 26952), (80, 26967), (90, 27024), (98, 27063), (114, 27147), (140, 27276), (144, 27288), (152, 27342), (159, 27399), (172, 27498), (184, 27573), (185, 27600), (198, 27687), (200, 27693), (201, 27696), (206, 27759), (207, 27762), (208, 27765), (209, 27768), (213, 27798), (221, 27870),

Gene: BarbieDoll_31 Start: 26396, Stop: 27559, Start Num: 12

Candidate Starts for BarbieDoll_31:

(Start: 2 @26288 has 44 MA's), (Start: 12 @26396 has 95 MA's), (27, 26507), (32, 26534), (41, 26579), (42, 26582), (50, 26627), (78, 26756), (138, 27059), (143, 27080), (191, 27248), (207, 27365), (209, 27371), (213, 27401), (216, 27425), (220, 27467),

Gene: BenitoAntonio_24 Start: 22616, Stop: 23677, Start Num: 9

Candidate Starts for BenitoAntonio_24:

(Start: 9 @22616 has 19 MA's), (15, 22646), (19, 22673), (42, 22817), (106, 23102), (137, 23231), (138, 23240), (142, 23258), (195, 23459), (197, 23480),

Gene: Benllo_22 Start: 22900, Stop: 23961, Start Num: 9

Candidate Starts for Benllo_22:

(Start: 9 @22900 has 19 MA's), (15, 22930), (19, 22957), (42, 23101), (106, 23386), (137, 23515), (138, 23524), (142, 23542), (195, 23743), (197, 23764),

Gene: BetterYeti_36 Start: 29251, Stop: 30684, Start Num: 2

Candidate Starts for BetterYeti_36:

(1, 29245), (Start: 2 @29251 has 44 MA's), (16, 29380), (25, 29461), (34, 29497), (44, 29548), (57, 29629), (68, 29692), (70, 29701), (75, 29722), (77, 29734), (90, 29806), (92, 29812), (94, 29818), (131, 30010), (141, 30058), (144, 30067), (150, 30109), (159, 30178), (162, 30199), (168, 30241), (169, 30244), (184, 30352), (185, 30379), (200, 30472), (207, 30541), (209, 30547), (213, 30577), (218, 30637),

Gene: Bilo_21 Start: 20046, Stop: 21209, Start Num: 12

Candidate Starts for Bilo_21:

(Start: 11 @20043 has 9 MA's), (Start: 12 @20046 has 95 MA's), (25, 20151), (32, 20184), (35, 20193), (40, 20211), (41, 20229), (42, 20232), (43, 20235), (44, 20238), (50, 20280), (57, 20316), (60, 20328),

(83, 20436), (112, 20586), (115, 20598), (124, 20643), (138, 20712), (156, 20808), (175, 20850), (194, 20913), (205, 20991), (209, 21021), (213, 21048), (215, 21054), (216, 21072),

Gene: Bing_26 Start: 22320, Stop: 23492, Start Num: 12

Candidate Starts for Bing_26:

(Start: 11 @22317 has 9 MA's), (Start: 12 @22320 has 95 MA's), (37, 22476), (40, 22485), (42, 22506), (44, 22512), (46, 22521), (50, 22554), (87, 22728), (94, 22758), (96, 22776), (101, 22800), (138, 22986), (153, 23064), (155, 23076), (156, 23082), (189, 23160), (209, 23295), (213, 23325), (216, 23349), (225, 23430),

Gene: Biscute_32 Start: 26042, Stop: 27205, Start Num: 12

Candidate Starts for Biscute_32:

(Start: 12 @26042 has 95 MA's), (26, 26150), (27, 26153), (32, 26180), (41, 26225), (42, 26228), (50, 26273), (78, 26402), (82, 26420), (91, 26468), (101, 26519), (138, 26705), (143, 26726), (209, 27017), (213, 27047), (216, 27071),

Gene: BluerMoon_37 Start: 29474, Stop: 30907, Start Num: 2

Candidate Starts for BluerMoon_37:

(Start: 2 @29474 has 44 MA's), (25, 29684), (34, 29720), (44, 29771), (57, 29852), (68, 29915), (70, 29924), (75, 29945), (77, 29957), (90, 30029), (94, 30041), (141, 30281), (144, 30290), (146, 30308), (150, 30332), (159, 30401), (184, 30575), (185, 30602), (188, 30620), (200, 30695), (207, 30764), (208, 30767), (213, 30800), (218, 30860),

Gene: Boog_24 Start: 22609, Stop: 23775, Start Num: 12

Candidate Starts for Boog_24:

(Start: 12 @22609 has 95 MA's), (13, 22615), (25, 22714), (27, 22720), (39, 22771), (50, 22843), (88, 23029), (132, 23239), (133, 23248), (147, 23320), (152, 23350), (154, 23356), (179, 23428), (194, 23479), (207, 23581), (209, 23587), (211, 23605), (212, 23614), (213, 23617), (216, 23641), (218, 23677),

Gene: Bouchard_29 Start: 25647, Stop: 26810, Start Num: 12

Candidate Starts for Bouchard_29:

(Start: 12 @25647 has 95 MA's), (13, 25653), (21, 25698), (25, 25752), (40, 25812), (42, 25833), (54, 25905), (56, 25914), (67, 25953), (84, 26040), (106, 26160), (110, 26178), (120, 26223), (121, 26226), (133, 26286), (137, 26304), (142, 26331), (149, 26367), (192, 26505), (209, 26625), (213, 26655), (220, 26721),

Gene: Bowling_23 Start: 22714, Stop: 23775, Start Num: 9

Candidate Starts for Bowling_23:

(Start: 9 @22714 has 19 MA's), (15, 22744), (19, 22771), (42, 22915), (106, 23200), (137, 23329), (138, 23338), (195, 23557), (197, 23578),

Gene: Breylor17_29 Start: 26077, Stop: 27237, Start Num: 12

Candidate Starts for Breylor17_29:

(Start: 11 @26074 has 9 MA's), (Start: 12 @26077 has 95 MA's), (13, 26083), (21, 26128), (32, 26215), (34, 26218), (42, 26263), (54, 26335), (67, 26383), (84, 26470), (93, 26512), (103, 26569), (110, 26608), (137, 26734), (142, 26761), (149, 26797), (191, 26932), (198, 26974), (209, 27055), (213, 27085), (220, 27151),

Gene: BronxBay_25 Start: 22608, Stop: 23774, Start Num: 12

Candidate Starts for BronxBay_25:

(Start: 12 @22608 has 95 MA's), (13, 22614), (25, 22713), (27, 22719), (39, 22770), (50, 22842), (88, 23028), (132, 23238), (133, 23247), (147, 23319), (152, 23349), (154, 23355), (179, 23427), (194,

23478), (207, 23580), (209, 23586), (211, 23604), (212, 23613), (213, 23616), (216, 23640), (218, 23676),

Gene: Brunswick_28 Start: 25543, Stop: 26703, Start Num: 12

Candidate Starts for Brunswick_28:

(Start: 11 @25540 has 9 MA's), (Start: 12 @25543 has 95 MA's), (13, 25549), (32, 25681), (34, 25684), (42, 25729), (56, 25810), (84, 25936), (103, 26035), (110, 26074), (137, 26200), (142, 26227), (175, 26347), (191, 26398), (198, 26440), (204, 26488), (209, 26521), (213, 26551), (216, 26575), (220, 26617),

Gene: Burley_34 Start: 29212, Stop: 30645, Start Num: 2

Candidate Starts for Burley_34:

(1, 29206), (Start: 2 @29212 has 44 MA's), (16, 29341), (25, 29422), (34, 29458), (44, 29509), (57, 29590), (68, 29653), (70, 29662), (75, 29683), (77, 29695), (90, 29767), (92, 29773), (113, 29884), (114, 29887), (131, 29971), (140, 30016), (146, 30046), (150, 30070), (159, 30139), (182, 30304), (184, 30313), (185, 30340), (200, 30433), (207, 30502), (208, 30505), (209, 30508), (213, 30538),

Gene: Camille_26 Start: 21265, Stop: 22443, Start Num: 11

Candidate Starts for Camille_26:

(Start: 11 @21265 has 9 MA's), (Start: 12 @21268 has 95 MA's), (13, 21274), (41, 21451), (42, 21454), (50, 21502), (54, 21526), (57, 21541), (65, 21568), (81, 21652), (82, 21655), (104, 21769), (139, 21949), (165, 22042), (171, 22069), (191, 22129), (209, 22252), (213, 22282),

Gene: CapnMurica_28 Start: 26632, Stop: 27792, Start Num: 12

Candidate Starts for CapnMurica_28:

(Start: 11 @26629 has 9 MA's), (Start: 12 @26632 has 95 MA's), (13, 26638), (32, 26770), (34, 26773), (42, 26818), (56, 26899), (83, 27022), (84, 27025), (93, 27067), (103, 27124), (110, 27163), (137, 27289), (142, 27316), (175, 27436), (191, 27487), (198, 27529), (209, 27610), (213, 27640), (220, 27706),

Gene: Captrips_31 Start: 26498, Stop: 27925, Start Num: 2

Candidate Starts for Captrips_31:

(Start: 2 @26498 has 44 MA's), (10, 26591), (35, 26750), (41, 26786), (51, 26840), (68, 26939), (70, 26948), (77, 26981), (80, 26996), (90, 27053), (98, 27092), (114, 27176), (140, 27305), (144, 27317), (152, 27371), (159, 27428), (172, 27527), (184, 27602), (185, 27629), (198, 27716), (200, 27722), (201, 27725), (206, 27788), (207, 27791), (208, 27794), (209, 27797), (213, 27827), (221, 27899),

Gene: Capybara_31 Start: 26573, Stop: 28000, Start Num: 2

Candidate Starts for Capybara_31:

(Start: 2 @26573 has 44 MA's), (10, 26666), (35, 26825), (44, 26870), (51, 26915), (68, 27014), (70, 27023), (77, 27056), (80, 27071), (90, 27128), (98, 27167), (114, 27251), (140, 27380), (144, 27392), (147, 27416), (152, 27446), (184, 27677), (185, 27704), (191, 27749), (198, 27791), (200, 27797), (201, 27800), (206, 27863), (207, 27866), (208, 27869), (209, 27872), (213, 27902), (221, 27974),

Gene: CastorTray_30 Start: 25935, Stop: 27095, Start Num: 12

Candidate Starts for CastorTray_30:

(Start: 11 @25932 has 9 MA's), (Start: 12 @25935 has 95 MA's), (13, 25941), (21, 25986), (32, 26073), (34, 26076), (42, 26121), (54, 26193), (67, 26241), (84, 26328), (93, 26370), (97, 26397), (103, 26427), (110, 26466), (137, 26592), (142, 26619), (191, 26790), (198, 26832), (209, 26913), (213, 26943), (220, 27009),

Gene: Caterpillar_26 Start: 24715, Stop: 25878, Start Num: 12

Candidate Starts for Caterpillar_26:

(Start: 11 @24712 has 9 MA's), (Start: 12 @24715 has 95 MA's), (13, 24721), (42, 24901), (54, 24973), (56, 24982), (67, 25021), (84, 25108), (99, 25186), (106, 25228), (110, 25246), (137, 25372), (142, 25399), (147, 25426), (190, 25567), (191, 25570), (204, 25660), (209, 25693), (213, 25723), (216, 25747),

Gene: Cheesy_24 Start: 22715, Stop: 23776, Start Num: 9

Candidate Starts for Cheesy_24:

(Start: 9 @22715 has 19 MA's), (15, 22745), (19, 22772), (42, 22916), (106, 23201), (137, 23330), (138, 23339), (142, 23357), (195, 23558), (197, 23579),

Gene: CherryBlossom_25 Start: 22462, Stop: 23634, Start Num: 12

Candidate Starts for CherryBlossom_25:

(Start: 11 @22459 has 9 MA's), (Start: 12 @22462 has 95 MA's), (25, 22567), (40, 22627), (42, 22648), (44, 22654), (50, 22696), (76, 22813), (86, 22864), (94, 22900), (101, 22942), (115, 23014), (116, 23017), (122, 23053), (154, 23209), (155, 23218), (174, 23263), (175, 23266), (209, 23437), (213, 23467), (215, 23473), (216, 23491), (220, 23533), (225, 23572),

Gene: Chikenjars_34 Start: 29464, Stop: 30897, Start Num: 2

Candidate Starts for Chikenjars_34:

(Start: 2 @29464 has 44 MA's), (6, 29515), (7, 29527), (25, 29674), (34, 29710), (44, 29761), (57, 29842), (68, 29905), (70, 29914), (75, 29935), (77, 29947), (90, 30019), (141, 30271), (144, 30280), (146, 30298), (150, 30322), (159, 30391), (184, 30565), (185, 30592), (188, 30610), (200, 30685), (207, 30754), (208, 30757), (213, 30790), (218, 30850),

Gene: Chlochlo_29 Start: 25686, Stop: 26849, Start Num: 12

Candidate Starts for Chlochlo_29:

(Start: 12 @25686 has 95 MA's), (13, 25692), (21, 25737), (25, 25791), (42, 25872), (56, 25953), (67, 25992), (95, 26139), (106, 26199), (110, 26217), (112, 26226), (120, 26262), (122, 26277), (137, 26343), (142, 26370), (149, 26406), (152, 26427), (167, 26463), (174, 26487), (175, 26490), (191, 26541), (198, 26583), (201, 26592), (204, 26631), (209, 26664), (212, 26691), (213, 26694), (220, 26760),

Gene: Circum_24 Start: 22722, Stop: 23783, Start Num: 9

Candidate Starts for Circum_24:

(Start: 9 @22722 has 19 MA's), (15, 22752), (19, 22779), (42, 22923), (106, 23208), (137, 23337), (138, 23346), (142, 23364), (195, 23565), (197, 23586),

Gene: Citrus_33 Start: 29468, Stop: 30901, Start Num: 2

Candidate Starts for Citrus_33:

(Start: 2 @29468 has 44 MA's), (6, 29519), (25, 29678), (44, 29765), (57, 29846), (68, 29909), (70, 29918), (75, 29939), (77, 29951), (90, 30023), (141, 30275), (144, 30284), (146, 30302), (150, 30326), (159, 30395), (184, 30569), (185, 30596), (188, 30614), (200, 30689), (207, 30758), (208, 30761), (213, 30794),

Gene: ClubPenguin_24 Start: 22046, Stop: 23248, Start Num: 12

Candidate Starts for ClubPenguin_24:

(Start: 11 @22043 has 9 MA's), (Start: 12 @22046 has 95 MA's), (19, 22088), (38, 22205), (41, 22229), (42, 22232), (63, 22337), (76, 22421), (87, 22478), (94, 22508), (119, 22640), (133, 22709), (137, 22727), (138, 22736), (143, 22757), (153, 22814), (191, 22925), (206, 23039), (210, 23057), (213, 23078), (215, 23084), (216, 23102),

Gene: Conley_32 Start: 27539, Stop: 28963, Start Num: 2

Candidate Starts for Conley_32:

(Start: 2 @27539 has 44 MA's), (5, 27566), (19, 27686), (34, 27785), (35, 27791), (38, 27803), (44, 27836), (51, 27881), (70, 27989), (77, 28022), (90, 28094), (95, 28121), (98, 28133), (114, 28217), (119, 28241), (141, 28349), (152, 28412), (159, 28469), (164, 28514), (172, 28568), (184, 28643), (185, 28670), (191, 28715), (200, 28763), (201, 28766), (206, 28829), (207, 28832), (208, 28835), (213, 28868), (218, 28928),

Gene: Correa_23 Start: 22230, Stop: 23291, Start Num: 9

Candidate Starts for Correa_23:

(Start: 9 @22230 has 19 MA's), (15, 22260), (19, 22287), (42, 22431), (59, 22509), (79, 22581), (106, 22716), (137, 22845), (138, 22854), (142, 22872), (195, 23073), (197, 23094),

Gene: Count_32 Start: 28485, Stop: 29882, Start Num: 12

Candidate Starts for Count_32:

(Start: 12 @28485 has 95 MA's), (18, 28521), (22, 28548), (30, 28614), (40, 28650), (41, 28668), (42, 28671), (45, 28683), (46, 28686), (88, 28905), (133, 29124), (147, 29196), (166, 29259), (174, 29286), (175, 29289), (222, 29562), (224, 29574), (227, 29616), (228, 29691), (229, 29697), (230, 29727), (231, 29793), (232, 29853),

Gene: CricKo_23 Start: 21363, Stop: 22529, Start Num: 12

Candidate Starts for CricKo_23:

(Start: 12 @21363 has 95 MA's), (23, 21447), (27, 21474), (40, 21528), (42, 21549), (44, 21555), (50, 21597), (54, 21621), (87, 21771), (89, 21786), (94, 21801), (101, 21843), (102, 21849), (115, 21915), (153, 22107), (156, 22125), (192, 22218), (213, 22368), (215, 22374), (216, 22392),

Gene: Crocheter_34 Start: 29604, Stop: 31037, Start Num: 2

Candidate Starts for Crocheter_34:

(Start: 2 @29604 has 44 MA's), (14, 29721), (16, 29733), (25, 29814), (34, 29850), (44, 29901), (57, 29982), (68, 30045), (70, 30054), (75, 30075), (77, 30087), (90, 30159), (92, 30165), (113, 30276), (114, 30279), (140, 30408), (144, 30420), (150, 30462), (159, 30531), (162, 30552), (180, 30672), (184, 30705), (185, 30732), (188, 30750), (200, 30825), (207, 30894), (208, 30897), (209, 30900), (213, 30930), (218, 30990),

Gene: Daddyjeff_27 Start: 23942, Stop: 25009, Start Num: 12

Candidate Starts for Daddyjeff_27:

(Start: 12 @23942 has 95 MA's), (27, 24053), (36, 24095), (39, 24104), (42, 24128), (58, 24209), (91, 24341), (106, 24422), (117, 24467), (125, 24506), (215, 24926), (223, 24998),

Gene: Damascus_26 Start: 21950, Stop: 23347, Start Num: 12

Candidate Starts for Damascus_26:

(Start: 11 @21947 has 9 MA's), (Start: 12 @21950 has 95 MA's), (13, 21956), (26, 22058), (42, 22136), (61, 22238), (81, 22334), (82, 22337), (83, 22346), (129, 22580), (148, 22673), (161, 22760), (163, 22808), (165, 22820), (169, 22835), (178, 22895), (202, 23096), (209, 23156), (213, 23186),

Gene: Dancer_33 Start: 26198, Stop: 27625, Start Num: 2

Candidate Starts for Dancer_33:

(Start: 2 @26198 has 44 MA's), (10, 26291), (19, 26345), (35, 26450), (51, 26540), (68, 26639), (77, 26681), (80, 26696), (88, 26747), (90, 26753), (98, 26792), (114, 26876), (140, 27005), (144, 27017), (152, 27071), (159, 27128), (172, 27227), (184, 27302), (185, 27329), (198, 27416), (200, 27422), (201, 27425), (206, 27488), (207, 27491), (208, 27494), (209, 27497), (213, 27527), (221, 27599),

Gene: Darby_28 Start: 25381, Stop: 26541, Start Num: 12

Candidate Starts for Darby_28:

(Start: 11 @25378 has 9 MA's), (Start: 12 @25381 has 95 MA's), (13, 25387), (21, 25432), (32, 25519), (34, 25522), (42, 25567), (54, 25639), (67, 25687), (84, 25774), (93, 25816), (103, 25873), (110, 25912), (137, 26038), (142, 26065), (149, 26101), (191, 26236), (198, 26278), (209, 26359), (213, 26389), (220, 26455),

Gene: Demure_33 Start: 28570, Stop: 30003, Start Num: 2

Candidate Starts for Demure_33:

(1, 28564), (Start: 2 @28570 has 44 MA's), (14, 28687), (16, 28699), (25, 28780), (34, 28816), (44, 28867), (57, 28948), (68, 29011), (75, 29041), (77, 29053), (90, 29125), (92, 29131), (94, 29137), (131, 29329), (141, 29377), (144, 29386), (150, 29428), (159, 29497), (168, 29560), (169, 29563), (184, 29671), (185, 29698), (188, 29716), (200, 29791), (207, 29860), (208, 29863), (209, 29866), (213, 29896), (218, 29956),

Gene: DevitoJr_28 Start: 25552, Stop: 26712, Start Num: 12

Candidate Starts for DevitoJr_28:

(Start: 11 @25549 has 9 MA's), (Start: 12 @25552 has 95 MA's), (13, 25558), (21, 25603), (32, 25690), (34, 25693), (40, 25717), (42, 25738), (56, 25819), (93, 25987), (103, 26044), (110, 26083), (121, 26131), (137, 26209), (142, 26236), (175, 26356), (191, 26407), (198, 26449), (209, 26530), (213, 26560), (220, 26626),

Gene: DizzyRudy_26 Start: 21879, Stop: 23276, Start Num: 12

Candidate Starts for DizzyRudy_26:

(Start: 11 @21876 has 9 MA's), (Start: 12 @21879 has 95 MA's), (13, 21885), (26, 21987), (42, 22065), (61, 22167), (81, 22263), (82, 22266), (129, 22509), (148, 22602), (157, 22653), (161, 22689), (163, 22737), (165, 22749), (169, 22764), (178, 22824), (202, 23025), (209, 23085), (213, 23115),

Gene: Djungelskog_25 Start: 22608, Stop: 23774, Start Num: 12

Candidate Starts for Djungelskog_25:

(Start: 12 @22608 has 95 MA's), (13, 22614), (25, 22713), (27, 22719), (39, 22770), (50, 22842), (88, 23028), (132, 23238), (133, 23247), (147, 23319), (152, 23349), (154, 23355), (179, 23427), (194, 23478), (207, 23580), (209, 23586), (211, 23604), (212, 23613), (213, 23616), (216, 23640), (218, 23676),

Gene: DoctorPepper_25 Start: 22608, Stop: 23774, Start Num: 12

Candidate Starts for DoctorPepper_25:

(Start: 12 @22608 has 95 MA's), (13, 22614), (25, 22713), (27, 22719), (39, 22770), (50, 22842), (88, 23028), (132, 23238), (147, 23319), (152, 23349), (154, 23355), (179, 23427), (194, 23478), (207, 23580), (209, 23586), (211, 23604), (212, 23613), (213, 23616), (216, 23640), (218, 23676),

Gene: Doxi13_21 Start: 19527, Stop: 20690, Start Num: 12

Candidate Starts for Doxi13_21:

(Start: 11 @19524 has 9 MA's), (Start: 12 @19527 has 95 MA's), (25, 19632), (32, 19665), (40, 19692), (41, 19710), (42, 19713), (43, 19716), (44, 19719), (50, 19761), (57, 19797), (60, 19809), (83, 19917), (112, 20067), (124, 20124), (138, 20193), (156, 20289), (175, 20331), (194, 20394), (205, 20472), (209, 20502), (213, 20529), (215, 20535), (216, 20553),

Gene: DrGrey_25 Start: 22958, Stop: 24130, Start Num: 12

Candidate Starts for DrGrey_25:

(Start: 11 @22955 has 9 MA's), (Start: 12 @22958 has 95 MA's), (25, 23063), (37, 23114), (40, 23123), (42, 23144), (44, 23150), (46, 23159), (50, 23192), (86, 23360), (87, 23366), (94, 23396), (101, 23438), (102, 23444), (115, 23510), (122, 23549), (132, 23588), (154, 23705), (155, 23714), (174, 23759), (175, 23762), (205, 23903), (209, 23933), (213, 23963), (215, 23969), (216, 23987), (225, 24068),

Gene: Duffington_34 Start: 29452, Stop: 30885, Start Num: 2

Candidate Starts for Duffington_34:

(Start: 2 @29452 has 44 MA's), (6, 29503), (7, 29515), (25, 29662), (44, 29749), (57, 29830), (68, 29893), (70, 29902), (75, 29923), (77, 29935), (90, 30007), (141, 30259), (144, 30268), (146, 30286), (150, 30310), (159, 30379), (184, 30553), (185, 30580), (188, 30598), (200, 30673), (203, 30697), (207, 30742), (208, 30745), (213, 30778), (218, 30838),

Gene: Dynamite_23 Start: 22523, Stop: 23584, Start Num: 9

Candidate Starts for Dynamite_23:

(Start: 9 @22523 has 19 MA's), (15, 22553), (19, 22580), (42, 22724), (106, 23009), (137, 23138), (138, 23147), (195, 23366), (197, 23387),

Gene: Eddiemania_35 Start: 30113, Stop: 31546, Start Num: 2

Candidate Starts for Eddiemania_35:

(Start: 2 @30113 has 44 MA's), (14, 30230), (16, 30242), (25, 30323), (34, 30359), (44, 30410), (57, 30491), (68, 30554), (70, 30563), (75, 30584), (77, 30596), (90, 30668), (92, 30674), (113, 30785), (114, 30788), (131, 30872), (140, 30917), (144, 30929), (150, 30971), (159, 31040), (162, 31061), (184, 31214), (185, 31241), (200, 31334), (207, 31403), (208, 31406), (209, 31409), (213, 31439),

Gene: Eevee_28 Start: 25982, Stop: 27049, Start Num: 12

Candidate Starts for Eevee_28:

(Start: 12 @25982 has 95 MA's), (27, 26093), (34, 26123), (39, 26144), (42, 26168), (58, 26252), (74, 26300), (89, 26375), (91, 26381), (105, 26450), (154, 26693), (175, 26750), (190, 26804), (193, 26816), (217, 26987),

Gene: Egad_25 Start: 22609, Stop: 23775, Start Num: 12

Candidate Starts for Egad_25:

(Start: 12 @22609 has 95 MA's), (13, 22615), (25, 22714), (27, 22720), (39, 22771), (50, 22843), (88, 23029), (132, 23239), (133, 23248), (147, 23320), (152, 23350), (154, 23356), (179, 23428), (194, 23479), (207, 23581), (209, 23587), (211, 23605), (212, 23614), (213, 23617), (216, 23641), (218, 23677),

Gene: ElephantMan_28 Start: 26080, Stop: 27243, Start Num: 11

Candidate Starts for ElephantMan_28:

(Start: 11 @26080 has 9 MA's), (Start: 12 @26083 has 95 MA's), (13, 26089), (29, 26200), (32, 26221), (34, 26224), (42, 26269), (56, 26350), (84, 26476), (93, 26518), (103, 26575), (110, 26614), (142, 26767), (175, 26887), (191, 26938), (198, 26980), (204, 27028), (209, 27061), (213, 27091), (216, 27115), (220, 27157),

Gene: Elsa_24 Start: 23000, Stop: 24061, Start Num: 9

Candidate Starts for Elsa_24:

(Start: 9 @23000 has 19 MA's), (15, 23030), (19, 23057), (42, 23201), (106, 23486), (137, 23615), (138, 23624), (195, 23843), (197, 23864),

Gene: Elver_41 Start: 34608, Stop: 35774, Start Num: 12

Candidate Starts for Elver_41:

(Start: 11 @34605 has 9 MA's), (Start: 12 @34608 has 95 MA's), (13, 34614), (26, 34716), (42, 34794), (48, 34821), (52, 34851), (73, 34938), (105, 35109), (138, 35274), (207, 35577), (213, 35613), (218, 35673),

Gene: EndAve_34 Start: 29464, Stop: 30897, Start Num: 2

Candidate Starts for EndAve_34:

(Start: 2 @29464 has 44 MA's), (6, 29515), (7, 29527), (25, 29674), (44, 29761), (57, 29842), (68, 29905), (70, 29914), (75, 29935), (77, 29947), (90, 30019), (141, 30271), (144, 30280), (146, 30298), (150, 30322), (159, 30391), (184, 30565), (185, 30592), (188, 30610), (200, 30685), (207, 30754), (208, 30757), (213, 30790),

Gene: Esketit_25 Start: 22442, Stop: 23617, Start Num: 11

Candidate Starts for Esketit_25:

(Start: 11 @22442 has 9 MA's), (Start: 12 @22445 has 95 MA's), (25, 22550), (40, 22610), (42, 22631), (44, 22637), (50, 22679), (76, 22796), (86, 22847), (94, 22883), (101, 22925), (115, 22997), (122, 23036), (154, 23192), (155, 23201), (174, 23246), (175, 23249), (209, 23420), (213, 23450), (215, 23456), (216, 23474), (220, 23516), (225, 23555),

Gene: Fazel_32 Start: 28489, Stop: 29928, Start Num: 2

Candidate Starts for Fazel_32:

(Start: 2 @28489 has 44 MA's), (3, 28495), (6, 28540), (8, 28567), (20, 28639), (25, 28699), (32, 28732), (43, 28783), (54, 28852), (68, 28930), (70, 28939), (76, 28969), (77, 28972), (90, 29044), (92, 29050), (111, 29152), (115, 29170), (123, 29212), (131, 29248), (144, 29305), (162, 29437), (164, 29461), (168, 29479), (169, 29482), (184, 29590), (185, 29617), (191, 29662), (200, 29710), (209, 29785), (211, 29803), (213, 29815), (218, 29875),

Gene: FidgetOrca_25 Start: 22451, Stop: 23623, Start Num: 12

Candidate Starts for FidgetOrca_25:

(Start: 11 @22448 has 9 MA's), (Start: 12 @22451 has 95 MA's), (25, 22556), (40, 22616), (42, 22637), (44, 22643), (50, 22685), (76, 22802), (86, 22853), (94, 22889), (101, 22931), (115, 23003), (122, 23042), (154, 23198), (155, 23207), (174, 23252), (175, 23255), (209, 23426), (213, 23456), (215, 23462), (216, 23480), (220, 23522), (225, 23561),

Gene: Figliar_34 Start: 29462, Stop: 30895, Start Num: 2

Candidate Starts for Figliar_34:

(Start: 2 @29462 has 44 MA's), (25, 29672), (34, 29708), (44, 29759), (57, 29840), (68, 29903), (70, 29912), (75, 29933), (77, 29945), (90, 30017), (94, 30029), (141, 30269), (144, 30278), (146, 30296), (150, 30320), (159, 30389), (162, 30410), (184, 30563), (185, 30590), (188, 30608), (200, 30683), (207, 30752), (208, 30755), (213, 30788), (218, 30848),

Gene: FortCran_31 Start: 26462, Stop: 27889, Start Num: 2

Candidate Starts for FortCran_31:

(Start: 2 @26462 has 44 MA's), (10, 26555), (19, 26609), (35, 26714), (41, 26750), (51, 26804), (68, 26903), (70, 26912), (77, 26945), (80, 26960), (90, 27017), (98, 27056), (114, 27140), (140, 27269), (144, 27281), (152, 27335), (159, 27392), (172, 27491), (184, 27566), (185, 27593), (198, 27680), (200, 27686), (201, 27689), (206, 27752), (207, 27755), (208, 27758), (209, 27761), (213, 27791), (221, 27863),

Gene: FrodoSwaggins_25 Start: 22958, Stop: 24130, Start Num: 12

Candidate Starts for FrodoSwaggins_25:

(Start: 11 @22955 has 9 MA's), (Start: 12 @22958 has 95 MA's), (25, 23063), (37, 23114), (40, 23123), (42, 23144), (44, 23150), (46, 23159), (50, 23192), (86, 23360), (87, 23366), (94, 23396), (101, 23438), (102, 23444), (115, 23510), (122, 23549), (132, 23588), (154, 23705), (155, 23714), (174, 23759), (175, 23762), (205, 23903), (209, 23933), (213, 23963), (215, 23969), (216, 23987), (225, 24068),

Gene: FromIndy_24 Start: 21351, Stop: 22517, Start Num: 12

Candidate Starts for FromIndy_24:

(Start: 12 @21351 has 95 MA's), (23, 21435), (27, 21462), (40, 21516), (42, 21537), (44, 21543), (50, 21585), (54, 21609), (87, 21759), (89, 21774), (94, 21789), (101, 21831), (102, 21837), (115, 21903),

(153, 22095), (156, 22113), (192, 22206), (213, 22356), (215, 22362), (216, 22380),

Gene: Gandionco_43 Start: 35130, Stop: 36296, Start Num: 12

Candidate Starts for Gandionco_43:

(Start: 11 @35127 has 9 MA's), (Start: 12 @35130 has 95 MA's), (13, 35136), (26, 35238), (42, 35316), (43, 35319), (48, 35343), (52, 35373), (73, 35460), (105, 35631), (138, 35796), (207, 36099), (213, 36135), (218, 36195),

Gene: GantcherGoblin_27 Start: 24460, Stop: 25623, Start Num: 12

Candidate Starts for GantcherGoblin_27:

(Start: 12 @24460 has 95 MA's), (25, 24565), (27, 24571), (42, 24646), (44, 24652), (50, 24691), (85, 24856), (88, 24877), (112, 24997), (167, 25231), (173, 25255), (174, 25258), (209, 25435), (213, 25465),

Gene: Giantsbane_29 Start: 24546, Stop: 25709, Start Num: 12

Candidate Starts for Giantsbane_29:

(Start: 12 @24546 has 95 MA's), (13, 24552), (21, 24597), (25, 24651), (42, 24732), (54, 24804), (56, 24813), (84, 24939), (106, 25059), (110, 25077), (130, 25173), (137, 25203), (142, 25230), (191, 25401), (198, 25443), (209, 25524), (213, 25554), (216, 25578), (220, 25620),

Gene: Gill_31 Start: 26585, Stop: 28012, Start Num: 2

Candidate Starts for Gill_31:

(Start: 2 @26585 has 44 MA's), (10, 26678), (35, 26837), (44, 26882), (51, 26927), (68, 27026), (70, 27035), (77, 27068), (80, 27083), (90, 27140), (98, 27179), (114, 27263), (140, 27392), (144, 27404), (152, 27458), (184, 27689), (185, 27716), (191, 27761), (198, 27803), (200, 27809), (201, 27812), (206, 27875), (207, 27878), (208, 27881), (209, 27884), (213, 27914), (221, 27986),

Gene: GirlPower_24 Start: 23929, Stop: 25101, Start Num: 12

Candidate Starts for GirlPower_24:

(Start: 11 @23926 has 9 MA's), (Start: 12 @23929 has 95 MA's), (25, 24034), (37, 24085), (40, 24094), (42, 24115), (44, 24121), (50, 24163), (76, 24280), (86, 24331), (94, 24367), (101, 24409), (102, 24415), (115, 24481), (122, 24520), (132, 24559), (154, 24676), (155, 24685), (174, 24730), (175, 24733), (209, 24904), (213, 24934), (215, 24940), (216, 24958), (225, 25039),

Gene: GoCrazy_22 Start: 22523, Stop: 23584, Start Num: 9

Candidate Starts for GoCrazy_22:

(Start: 9 @22523 has 19 MA's), (15, 22553), (19, 22580), (42, 22724), (106, 23009), (137, 23138), (138, 23147), (142, 23165), (195, 23366), (197, 23387), (202, 23411),

Gene: GoblinVoyage_21 Start: 19527, Stop: 20690, Start Num: 12

Candidate Starts for GoblinVoyage_21:

(Start: 11 @19524 has 9 MA's), (Start: 12 @19527 has 95 MA's), (25, 19632), (32, 19665), (40, 19692), (41, 19710), (42, 19713), (43, 19716), (44, 19719), (50, 19761), (57, 19797), (60, 19809), (83, 19917), (112, 20067), (124, 20124), (138, 20193), (156, 20289), (175, 20331), (194, 20394), (205, 20472), (209, 20502), (213, 20529), (215, 20535), (216, 20553),

Gene: Gordon_28 Start: 26657, Stop: 27817, Start Num: 12

Candidate Starts for Gordon_28:

(Start: 11 @26654 has 9 MA's), (Start: 12 @26657 has 95 MA's), (13, 26663), (21, 26708), (32, 26795), (34, 26798), (42, 26843), (67, 26963), (84, 27050), (93, 27092), (103, 27149), (110, 27188), (142, 27341), (149, 27377), (191, 27512), (198, 27554), (209, 27635), (213, 27665), (220, 27731),

Gene: Gravy_31 Start: 26585, Stop: 28012, Start Num: 2

Candidate Starts for Gravy_31:

(Start: 2 @26585 has 44 MA's), (10, 26678), (35, 26837), (44, 26882), (51, 26927), (68, 27026), (70, 27035), (77, 27068), (80, 27083), (90, 27140), (98, 27179), (114, 27263), (140, 27392), (144, 27404), (147, 27428), (152, 27458), (184, 27689), (185, 27716), (191, 27761), (198, 27803), (200, 27809), (201, 27812), (206, 27875), (207, 27878), (208, 27881), (209, 27884), (213, 27914), (221, 27986),

Gene: Gusicorn_37 Start: 29251, Stop: 30684, Start Num: 2

Candidate Starts for Gusicorn_37:

(1, 29245), (Start: 2 @29251 has 44 MA's), (16, 29380), (25, 29461), (34, 29497), (44, 29548), (57, 29629), (68, 29692), (70, 29701), (75, 29722), (77, 29734), (90, 29806), (92, 29812), (94, 29818), (131, 30010), (141, 30058), (144, 30067), (150, 30109), (159, 30178), (162, 30199), (168, 30241), (169, 30244), (184, 30352), (185, 30379), (200, 30472), (207, 30541), (209, 30547), (213, 30577), (218, 30637),

Gene: Hankly_22 Start: 21745, Stop: 22806, Start Num: 9

Candidate Starts for Hankly_22:

(Start: 9 @21745 has 19 MA's), (15, 21775), (19, 21802), (42, 21946), (59, 22024), (79, 22096), (106, 22231), (137, 22360), (138, 22369), (142, 22387), (195, 22588), (197, 22609), (202, 22633),

Gene: HazuAndZazu_25 Start: 22962, Stop: 24134, Start Num: 12

Candidate Starts for HazuAndZazu_25:

(Start: 11 @22959 has 9 MA's), (Start: 12 @22962 has 95 MA's), (25, 23067), (40, 23127), (42, 23148), (44, 23154), (50, 23196), (76, 23313), (86, 23364), (94, 23400), (101, 23442), (115, 23514), (116, 23517), (122, 23553), (154, 23709), (155, 23718), (175, 23766), (209, 23937), (213, 23967), (215, 23973), (216, 23991), (220, 24033), (225, 24072),

Gene: Heisenberger_23 Start: 22393, Stop: 23454, Start Num: 9

Candidate Starts for Heisenberger_23:

(Start: 9 @22393 has 19 MA's), (15, 22423), (19, 22450), (42, 22594), (106, 22879), (137, 23008), (138, 23017), (142, 23035), (195, 23236), (197, 23257),

Gene: HerbBucket_24 Start: 22609, Stop: 23775, Start Num: 12

Candidate Starts for HerbBucket_24:

(Start: 12 @22609 has 95 MA's), (13, 22615), (25, 22714), (27, 22720), (39, 22771), (50, 22843), (88, 23029), (132, 23239), (133, 23248), (147, 23320), (152, 23350), (154, 23356), (179, 23428), (194, 23479), (207, 23581), (209, 23587), (211, 23605), (212, 23614), (213, 23617), (216, 23641), (218, 23677),

Gene: Hortihabitatio_35 Start: 28881, Stop: 30320, Start Num: 2

Candidate Starts for Hortihabitatio_35:

(Start: 2 @28881 has 44 MA's), (8, 28959), (14, 28998), (20, 29031), (25, 29091), (31, 29118), (50, 29220), (54, 29244), (68, 29322), (70, 29331), (80, 29379), (88, 29430), (90, 29436), (111, 29544), (115, 29562), (123, 29604), (131, 29640), (144, 29697), (159, 29808), (164, 29853), (168, 29871), (169, 29874), (184, 29982), (185, 30009), (200, 30102), (209, 30177), (211, 30195), (213, 30207), (218, 30267),

Gene: Hoshi_25 Start: 22445, Stop: 23617, Start Num: 12

Candidate Starts for Hoshi_25:

(Start: 11 @22442 has 9 MA's), (Start: 12 @22445 has 95 MA's), (25, 22550), (40, 22610), (42, 22631), (44, 22637), (50, 22679), (76, 22796), (86, 22847), (94, 22883), (101, 22925), (115, 22997), (122, 23036), (154, 23192), (155, 23201), (174, 23246), (175, 23249), (209, 23420), (213, 23450), (215, 23456), (216, 23474), (220, 23516), (225, 23555),

Gene: HotFries_20 Start: 19525, Stop: 20688, Start Num: 12

Candidate Starts for HotFries_20:

(Start: 11 @19522 has 9 MA's), (Start: 12 @19525 has 95 MA's), (25, 19630), (32, 19663), (35, 19672), (40, 19690), (42, 19711), (43, 19714), (44, 19717), (48, 19738), (50, 19759), (57, 19795), (60, 19807), (83, 19915), (112, 20065), (115, 20077), (124, 20122), (138, 20191), (156, 20287), (194, 20392), (205, 20470), (209, 20500), (213, 20527), (215, 20533), (216, 20551),

Gene: Hydrus_35 Start: 29979, Stop: 31412, Start Num: 2

Candidate Starts for Hydrus_35:

(Start: 2 @29979 has 44 MA's), (14, 30096), (16, 30108), (25, 30189), (34, 30225), (44, 30276), (57, 30357), (68, 30420), (70, 30429), (75, 30450), (77, 30462), (90, 30534), (92, 30540), (113, 30651), (114, 30654), (140, 30783), (144, 30795), (150, 30837), (159, 30906), (162, 30927), (180, 31047), (184, 31080), (185, 31107), (188, 31125), (200, 31200), (207, 31269), (208, 31272), (209, 31275), (213, 31305), (218, 31365),

Gene: IceWarrior_25 Start: 22445, Stop: 23617, Start Num: 12

Candidate Starts for IceWarrior_25:

(Start: 11 @22442 has 9 MA's), (Start: 12 @22445 has 95 MA's), (25, 22550), (40, 22610), (42, 22631), (44, 22637), (50, 22679), (76, 22796), (86, 22847), (94, 22883), (101, 22925), (115, 22997), (122, 23036), (154, 23192), (155, 23201), (174, 23246), (175, 23249), (209, 23420), (213, 23450), (215, 23456), (216, 23474), (220, 23516), (225, 23555),

Gene: Indigenous_25 Start: 22445, Stop: 23617, Start Num: 12

Candidate Starts for Indigenous_25:

(Start: 11 @22442 has 9 MA's), (Start: 12 @22445 has 95 MA's), (25, 22550), (40, 22610), (42, 22631), (44, 22637), (50, 22679), (76, 22796), (86, 22847), (94, 22883), (101, 22925), (115, 22997), (122, 23036), (154, 23192), (155, 23201), (174, 23246), (175, 23249), (209, 23420), (213, 23450), (215, 23456), (216, 23474), (220, 23516), (225, 23555),

Gene: Ingrid_28 Start: 25271, Stop: 26431, Start Num: 12

Candidate Starts for Ingrid_28:

(Start: 11 @25268 has 9 MA's), (Start: 12 @25271 has 95 MA's), (13, 25277), (21, 25322), (34, 25412), (42, 25457), (54, 25529), (56, 25538), (57, 25541), (67, 25577), (105, 25772), (110, 25802), (112, 25811), (138, 25937), (142, 25955), (171, 26066), (191, 26126), (192, 26129), (194, 26141), (204, 26216), (213, 26279),

Gene: Inked_30 Start: 26288, Stop: 27448, Start Num: 12

Candidate Starts for Inked_30:

(Start: 11 @26285 has 9 MA's), (Start: 12 @26288 has 95 MA's), (13, 26294), (42, 26474), (56, 26555), (67, 26594), (83, 26678), (103, 26780), (110, 26819), (115, 26840), (137, 26945), (142, 26972), (147, 26999), (173, 27086), (191, 27143), (204, 27233), (209, 27266), (213, 27296), (216, 27320),

Gene: Issa_28 Start: 25361, Stop: 26521, Start Num: 12

Candidate Starts for Issa_28:

(Start: 11 @25358 has 9 MA's), (Start: 12 @25361 has 95 MA's), (13, 25367), (21, 25412), (32, 25499), (34, 25502), (40, 25526), (42, 25547), (56, 25628), (93, 25796), (103, 25853), (110, 25892), (121, 25940), (137, 26018), (142, 26045), (175, 26165), (191, 26216), (198, 26258), (201, 26267), (204, 26306), (209, 26339), (213, 26369), (216, 26393), (220, 26435),

Gene: JEGGS_23 Start: 22447, Stop: 23508, Start Num: 9

Candidate Starts for JEGGS_23:

(Start: 9 @22447 has 19 MA's), (15, 22477), (19, 22504), (42, 22648), (106, 22933), (137, 23062), (138, 23071), (142, 23089), (195, 23290), (197, 23311),

Gene: Jaylociraptor_25 Start: 22445, Stop: 23617, Start Num: 12

Candidate Starts for Jaylociraptor_25:

(Start: 11 @22442 has 9 MA's), (Start: 12 @22445 has 95 MA's), (25, 22550), (40, 22610), (42, 22631), (44, 22637), (50, 22679), (76, 22796), (86, 22847), (94, 22883), (101, 22925), (115, 22997), (122, 23036), (154, 23192), (155, 23201), (174, 23246), (175, 23249), (209, 23420), (213, 23450), (215, 23456), (216, 23474), (220, 23516), (225, 23555),

Gene: Jazzy4900_26 Start: 24396, Stop: 25559, Start Num: 12

Candidate Starts for Jazzy4900_26:

(Start: 11 @24393 has 9 MA's), (Start: 12 @24396 has 95 MA's), (13, 24402), (26, 24504), (35, 24543), (38, 24555), (42, 24582), (48, 24609), (66, 24696), (101, 24876), (109, 24924), (137, 25053), (142, 25080), (173, 25194), (193, 25254), (213, 25398), (225, 25509),

Gene: Jodelie19_35 Start: 30901, Stop: 32334, Start Num: 2

Candidate Starts for Jodelie19_35:

(Start: 2 @30901 has 44 MA's), (6, 30952), (25, 31111), (34, 31147), (44, 31198), (57, 31279), (68, 31342), (70, 31351), (75, 31372), (77, 31384), (90, 31456), (94, 31468), (141, 31708), (144, 31717), (146, 31735), (150, 31759), (159, 31828), (184, 32002), (185, 32029), (200, 32122), (207, 32191), (208, 32194), (213, 32227), (218, 32287),

Gene: JoyLin_28 Start: 25973, Stop: 27040, Start Num: 12

Candidate Starts for JoyLin_28:

(Start: 12 @25973 has 95 MA's), (27, 26084), (34, 26114), (39, 26135), (42, 26159), (58, 26243), (74, 26291), (89, 26366), (91, 26372), (105, 26441), (154, 26684), (175, 26741), (190, 26795), (193, 26807), (217, 26978),

Gene: JulesRay_33 Start: 26492, Stop: 27919, Start Num: 2

Candidate Starts for JulesRay_33:

(Start: 2 @26492 has 44 MA's), (10, 26585), (19, 26639), (35, 26744), (51, 26834), (68, 26933), (77, 26975), (80, 26990), (88, 27041), (90, 27047), (98, 27086), (114, 27170), (140, 27299), (144, 27311), (152, 27365), (159, 27422), (172, 27521), (184, 27596), (185, 27623), (198, 27710), (200, 27716), (201, 27719), (206, 27782), (207, 27785), (208, 27788), (209, 27791), (213, 27821), (221, 27893),

Gene: Kardashian_24 Start: 22402, Stop: 23568, Start Num: 12

Candidate Starts for Kardashian_24:

(Start: 12 @22402 has 95 MA's), (38, 22561), (40, 22567), (42, 22588), (50, 22636), (64, 22696), (77, 22756), (89, 22825), (101, 22882), (115, 22954), (138, 23068), (147, 23113), (153, 23146), (156, 23164), (192, 23257), (206, 23368), (207, 23371), (209, 23377), (213, 23407), (215, 23413), (216, 23431),

Gene: Kardesai_22 Start: 22126, Stop: 23187, Start Num: 9

Candidate Starts for Kardesai_22:

(Start: 9 @22126 has 19 MA's), (15, 22156), (19, 22183), (42, 22327), (106, 22612), (137, 22741), (138, 22750), (142, 22768), (195, 22969), (197, 22990), (202, 23014),

Gene: KeaneyLin_22 Start: 22523, Stop: 23584, Start Num: 9

Candidate Starts for KeaneyLin_22:

(Start: 9 @22523 has 19 MA's), (15, 22553), (19, 22580), (42, 22724), (106, 23009), (137, 23138), (138, 23147), (142, 23165), (195, 23366), (197, 23387), (202, 23411),

Gene: Kenosha_34 Start: 30014, Stop: 31447, Start Num: 2

Candidate Starts for Kenosha_34:

(Start: 2 @30014 has 44 MA's), (14, 30131), (25, 30224), (34, 30260), (44, 30311), (57, 30392), (68, 30455), (70, 30464), (75, 30485), (77, 30497), (90, 30569), (92, 30575), (113, 30686), (114, 30689), (140, 30818), (144, 30830), (150, 30872), (159, 30941), (162, 30962), (184, 31115), (185, 31142), (188, 31160), (200, 31235), (207, 31304), (208, 31307), (209, 31310), (213, 31340), (218, 31400),

Gene: Kerry_31 Start: 26585, Stop: 28012, Start Num: 2

Candidate Starts for Kerry_31:

(Start: 2 @26585 has 44 MA's), (10, 26678), (35, 26837), (44, 26882), (51, 26927), (68, 27026), (70, 27035), (77, 27068), (80, 27083), (90, 27140), (98, 27179), (114, 27263), (140, 27392), (144, 27404), (147, 27428), (152, 27458), (184, 27689), (185, 27716), (191, 27761), (198, 27803), (200, 27809), (201, 27812), (206, 27875), (207, 27878), (208, 27881), (209, 27884), (213, 27914), (221, 27986),

Gene: KevinMinion_28 Start: 25554, Stop: 26717, Start Num: 12

Candidate Starts for KevinMinion_28:

(Start: 12 @25554 has 95 MA's), (25, 25659), (27, 25665), (42, 25740), (44, 25746), (50, 25785), (85, 25950), (88, 25971), (112, 26091), (151, 26289), (167, 26325), (173, 26349), (174, 26352), (209, 26529), (213, 26559),

Gene: Kinny_31 Start: 26309, Stop: 27472, Start Num: 12

Candidate Starts for Kinny_31:

(Start: 2 @26201 has 44 MA's), (Start: 12 @26309 has 95 MA's), (27, 26420), (32, 26447), (41, 26492), (42, 26495), (50, 26540), (78, 26669), (82, 26687), (91, 26735), (101, 26786), (138, 26972), (143, 26993), (207, 27278), (209, 27284), (213, 27314), (216, 27338),

Gene: Leathea_28 Start: 24353, Stop: 25516, Start Num: 12

Candidate Starts for Leathea_28:

(Start: 12 @24353 has 95 MA's), (13, 24359), (35, 24500), (42, 24539), (50, 24584), (62, 24638), (67, 24656), (78, 24713), (82, 24731), (86, 24752), (126, 24965), (173, 25148), (176, 25157), (191, 25205), (195, 25229), (209, 25328), (213, 25358),

Gene: Lewando_31 Start: 26378, Stop: 27541, Start Num: 12

Candidate Starts for Lewando_31:

(Start: 2 @26270 has 44 MA's), (Start: 12 @26378 has 95 MA's), (27, 26489), (32, 26516), (41, 26561), (42, 26564), (48, 26591), (50, 26609), (78, 26738), (101, 26855), (138, 27041), (143, 27062), (207, 27347), (209, 27353), (213, 27383), (216, 27407), (220, 27449),

Gene: LibertyBell_23 Start: 21306, Stop: 22475, Start Num: 12

Candidate Starts for LibertyBell_23:

(Start: 11 @21303 has 9 MA's), (Start: 12 @21306 has 95 MA's), (25, 21411), (40, 21471), (42, 21492), (44, 21498), (50, 21540), (57, 21576), (60, 21588), (72, 21633), (94, 21744), (102, 21792), (121, 21885), (133, 21945), (209, 22281), (211, 22299), (213, 22311), (216, 22335), (219, 22374), (226, 22428),

Gene: LilHuddy_29 Start: 25729, Stop: 26892, Start Num: 12

Candidate Starts for LilHuddy_29:

(Start: 12 @25729 has 95 MA's), (13, 25735), (25, 25834), (42, 25915), (54, 25987), (84, 26122), (110, 26260), (137, 26386), (142, 26413), (149, 26449), (191, 26584), (198, 26626), (209, 26707), (213, 26737), (216, 26761), (220, 26803),

Gene: Linda_25 Start: 22608, Stop: 23774, Start Num: 12

Candidate Starts for Linda_25:

(Start: 12 @22608 has 95 MA's), (13, 22614), (25, 22713), (27, 22719), (39, 22770), (50, 22842), (88, 23028), (132, 23238), (133, 23247), (147, 23319), (152, 23349), (154, 23355), (179, 23427), (194,

23478), (207, 23580), (209, 23586), (211, 23604), (212, 23613), (213, 23616), (216, 23640), (218, 23676),

Gene: Loretta_28 Start: 25271, Stop: 26431, Start Num: 12

Candidate Starts for Loretta_28:

(Start: 11 @25268 has 9 MA's), (Start: 12 @25271 has 95 MA's), (13, 25277), (21, 25322), (34, 25412), (42, 25457), (54, 25529), (56, 25538), (57, 25541), (67, 25577), (105, 25772), (110, 25802), (112, 25811), (138, 25937), (142, 25955), (171, 26066), (191, 26126), (192, 26129), (194, 26141), (204, 26216), (213, 26279),

Gene: LucySwiss_28 Start: 25386, Stop: 26546, Start Num: 12

Candidate Starts for LucySwiss_28:

(Start: 11 @25383 has 9 MA's), (Start: 12 @25386 has 95 MA's), (13, 25392), (21, 25437), (32, 25524), (34, 25527), (42, 25572), (56, 25653), (84, 25779), (93, 25821), (103, 25878), (110, 25917), (137, 26043), (142, 26070), (175, 26190), (191, 26241), (198, 26283), (201, 26292), (204, 26331), (209, 26364), (213, 26394), (216, 26418), (220, 26460),

Gene: Madamoto_25 Start: 22421, Stop: 23593, Start Num: 12

Candidate Starts for Madamoto_25:

(Start: 11 @22418 has 9 MA's), (Start: 12 @22421 has 95 MA's), (25, 22526), (37, 22577), (40, 22586), (42, 22607), (44, 22613), (50, 22655), (86, 22823), (87, 22829), (94, 22859), (101, 22901), (115, 22973), (122, 23012), (132, 23051), (154, 23168), (155, 23177), (174, 23222), (175, 23225), (209, 23396), (213, 23426), (215, 23432), (225, 23531),

Gene: Madvan_34 Start: 29246, Stop: 30679, Start Num: 2

Candidate Starts for Madvan_34:

(Start: 2 @29246 has 44 MA's), (14, 29363), (16, 29375), (25, 29456), (34, 29492), (44, 29543), (57, 29624), (68, 29687), (70, 29696), (75, 29717), (77, 29729), (90, 29801), (92, 29807), (113, 29918), (114, 29921), (140, 30050), (144, 30062), (150, 30104), (159, 30173), (162, 30194), (180, 30314), (184, 30347), (185, 30374), (188, 30392), (200, 30467), (207, 30536), (208, 30539), (209, 30542), (213, 30572), (218, 30632),

Gene: Magel_32 Start: 26493, Stop: 27920, Start Num: 2

Candidate Starts for Magel_32:

(Start: 2 @26493 has 44 MA's), (10, 26586), (35, 26745), (44, 26790), (51, 26835), (68, 26934), (70, 26943), (77, 26976), (80, 26991), (90, 27048), (98, 27087), (114, 27171), (140, 27300), (144, 27312), (147, 27336), (152, 27366), (184, 27597), (185, 27624), (191, 27669), (198, 27711), (200, 27717), (201, 27720), (206, 27783), (207, 27786), (208, 27789), (209, 27792), (213, 27822), (221, 27894),

Gene: MajinBuu_35 Start: 29472, Stop: 30905, Start Num: 2

Candidate Starts for MajinBuu_35:

(Start: 2 @29472 has 44 MA's), (25, 29682), (34, 29718), (44, 29769), (57, 29850), (68, 29913), (70, 29922), (75, 29943), (77, 29955), (90, 30027), (94, 30039), (141, 30279), (144, 30288), (146, 30306), (150, 30330), (159, 30399), (184, 30573), (185, 30600), (188, 30618), (200, 30693), (207, 30762), (208, 30765), (213, 30798), (218, 30858),

Gene: Makai_28 Start: 25518, Stop: 26678, Start Num: 12

Candidate Starts for Makai_28:

(Start: 12 @25518 has 95 MA's), (13, 25524), (21, 25569), (25, 25623), (42, 25704), (56, 25785), (57, 25788), (67, 25824), (84, 25911), (105, 26019), (106, 26031), (110, 26049), (121, 26097), (137, 26175), (142, 26202), (149, 26238), (152, 26259), (175, 26322), (191, 26373), (192, 26376), (198, 26415), (204, 26463), (209, 26496), (213, 26526), (220, 26592),

Gene: Maya_25 Start: 22459, Stop: 23631, Start Num: 12

Candidate Starts for Maya_25:

(Start: 11 @22456 has 9 MA's), (Start: 12 @22459 has 95 MA's), (25, 22564), (40, 22624), (42, 22645), (44, 22651), (50, 22693), (76, 22810), (86, 22861), (94, 22897), (101, 22939), (115, 23011), (122, 23050), (154, 23206), (155, 23215), (174, 23260), (175, 23263), (209, 23434), (213, 23464), (215, 23470), (216, 23488), (220, 23530), (225, 23569),

Gene: MediumFry_26 Start: 24717, Stop: 25880, Start Num: 12

Candidate Starts for MediumFry_26:

(Start: 11 @24714 has 9 MA's), (Start: 12 @24717 has 95 MA's), (13, 24723), (42, 24903), (54, 24975), (56, 24984), (67, 25023), (106, 25230), (110, 25248), (137, 25374), (142, 25401), (147, 25428), (190, 25569), (191, 25572), (204, 25662), (209, 25695), (213, 25725), (216, 25749),

Gene: Meibysrarus_25 Start: 22445, Stop: 23617, Start Num: 12

Candidate Starts for Meibysrarus_25:

(Start: 11 @22442 has 9 MA's), (Start: 12 @22445 has 95 MA's), (25, 22550), (40, 22610), (42, 22631), (44, 22637), (50, 22679), (76, 22796), (86, 22847), (94, 22883), (101, 22925), (115, 22997), (122, 23036), (154, 23192), (155, 23201), (174, 23246), (175, 23249), (209, 23420), (213, 23450), (215, 23456), (216, 23474), (220, 23516), (225, 23555),

Gene: Michelle_25 Start: 22608, Stop: 23774, Start Num: 12

Candidate Starts for Michelle_25:

(Start: 12 @22608 has 95 MA's), (13, 22614), (25, 22713), (27, 22719), (39, 22770), (50, 22842), (88, 23028), (132, 23238), (133, 23247), (147, 23319), (152, 23349), (154, 23355), (179, 23427), (194, 23478), (207, 23580), (209, 23586), (211, 23604), (212, 23613), (213, 23616), (216, 23640), (218, 23676),

Gene: Miek_23 Start: 21363, Stop: 22529, Start Num: 12

Candidate Starts for Miek_23:

(Start: 12 @21363 has 95 MA's), (23, 21447), (27, 21474), (40, 21528), (42, 21549), (44, 21555), (50, 21597), (54, 21621), (89, 21786), (94, 21801), (101, 21843), (102, 21849), (115, 21915), (153, 22107), (156, 22125), (192, 22218), (213, 22368), (215, 22374), (216, 22392),

Gene: MiniBagel_28 Start: 26611, Stop: 27771, Start Num: 12

Candidate Starts for MiniBagel_28:

(Start: 11 @26608 has 9 MA's), (Start: 12 @26611 has 95 MA's), (13, 26617), (32, 26749), (34, 26752), (42, 26797), (56, 26878), (83, 27001), (84, 27004), (93, 27046), (103, 27103), (110, 27142), (137, 27268), (142, 27295), (175, 27415), (191, 27466), (198, 27508), (209, 27589), (213, 27619), (220, 27685),

Gene: Mooshroom_23 Start: 22126, Stop: 23187, Start Num: 9

Candidate Starts for Mooshroom_23:

(Start: 9 @22126 has 19 MA's), (15, 22156), (19, 22183), (42, 22327), (106, 22612), (137, 22741), (138, 22750), (142, 22768), (195, 22969), (197, 22990), (202, 23014),

Gene: Moozy_21 Start: 19542, Stop: 20705, Start Num: 12

Candidate Starts for Moozy_21:

(Start: 11 @19539 has 9 MA's), (Start: 12 @19542 has 95 MA's), (25, 19647), (32, 19680), (40, 19707), (42, 19728), (43, 19731), (44, 19734), (50, 19776), (57, 19812), (60, 19824), (83, 19932), (112, 20082), (115, 20094), (124, 20139), (138, 20208), (156, 20304), (175, 20346), (194, 20409), (205, 20487), (209, 20517), (213, 20544), (215, 20550), (216, 20568),

Gene: Mossy_35 Start: 30659, Stop: 32098, Start Num: 2

Candidate Starts for Mossy_35:

(Start: 2 @30659 has 44 MA's), (8, 30737), (14, 30776), (20, 30809), (25, 30869), (31, 30896), (68, 31100), (70, 31109), (80, 31157), (88, 31208), (90, 31214), (92, 31220), (111, 31322), (114, 31334), (115, 31340), (123, 31382), (131, 31418), (144, 31475), (162, 31607), (164, 31631), (168, 31649), (169, 31652), (184, 31760), (185, 31787), (200, 31880), (209, 31955), (211, 31973), (213, 31985),

Gene: MrAaronian_25 Start: 22608, Stop: 23774, Start Num: 12

Candidate Starts for MrAaronian_25:

(Start: 12 @22608 has 95 MA's), (13, 22614), (25, 22713), (27, 22719), (39, 22770), (50, 22842), (88, 23028), (132, 23238), (133, 23247), (147, 23319), (152, 23349), (154, 23355), (179, 23427), (194, 23478), (207, 23580), (209, 23586), (211, 23604), (212, 23613), (213, 23616), (216, 23640), (218, 23676),

Gene: Mudcat_23 Start: 24424, Stop: 25485, Start Num: 9

Candidate Starts for Mudcat_23:

(Start: 9 @24424 has 19 MA's), (15, 24454), (19, 24481), (42, 24625), (106, 24910), (137, 25039), (138, 25048), (142, 25066), (195, 25267), (197, 25288),

Gene: Mysticmoon_34 Start: 29286, Stop: 30719, Start Num: 3

Candidate Starts for Mysticmoon_34:

(1, 29274), (Start: 2 @29280 has 44 MA's), (3, 29286), (8, 29358), (20, 29430), (25, 29490), (32, 29523), (44, 29577), (54, 29643), (68, 29721), (90, 29835), (92, 29841), (111, 29943), (115, 29961), (123, 30003), (131, 30039), (144, 30096), (162, 30228), (164, 30252), (168, 30270), (169, 30273), (184, 30381), (185, 30408), (191, 30453), (200, 30501), (209, 30576), (211, 30594), (213, 30606),

Gene: Nadmeg_35 Start: 30677, Stop: 32110, Start Num: 2

Candidate Starts for Nadmeg_35:

(Start: 2 @30677 has 44 MA's), (14, 30794), (16, 30806), (25, 30887), (34, 30923), (44, 30974), (57, 31055), (68, 31118), (70, 31127), (75, 31148), (77, 31160), (90, 31232), (92, 31238), (113, 31349), (114, 31352), (140, 31481), (144, 31493), (150, 31535), (159, 31604), (162, 31625), (180, 31745), (184, 31778), (185, 31805), (188, 31823), (200, 31898), (207, 31967), (208, 31970), (209, 31973), (213, 32003), (218, 32063),

Gene: Namo_25 Start: 22451, Stop: 23623, Start Num: 12

Candidate Starts for Namo_25:

(Start: 11 @22448 has 9 MA's), (Start: 12 @22451 has 95 MA's), (25, 22556), (40, 22616), (42, 22637), (44, 22643), (50, 22685), (76, 22802), (86, 22853), (94, 22889), (101, 22931), (115, 23003), (122, 23042), (154, 23198), (155, 23207), (174, 23252), (175, 23255), (209, 23426), (213, 23456), (215, 23462), (216, 23480), (220, 23522), (225, 23561),

Gene: NapoleonB_23 Start: 22523, Stop: 23584, Start Num: 9

Candidate Starts for NapoleonB_23:

(Start: 9 @22523 has 19 MA's), (15, 22553), (19, 22580), (42, 22724), (106, 23009), (137, 23138), (138, 23147), (195, 23366), (197, 23387),

Gene: Nason_24 Start: 23000, Stop: 24061, Start Num: 9

Candidate Starts for Nason_24:

(Start: 9 @23000 has 19 MA's), (15, 23030), (19, 23057), (42, 23201), (106, 23486), (137, 23615), (138, 23624), (195, 23843), (197, 23864),

Gene: Natasha_24 Start: 22016, Stop: 23179, Start Num: 12

Candidate Starts for Natasha_24:

(Start: 12 @22016 has 95 MA's), (38, 22175), (42, 22202), (50, 22250), (51, 22253), (57, 22286), (65, 22313), (67, 22322), (106, 22529), (110, 22547), (127, 22634), (139, 22691), (142, 22700), (153, 22760), (174, 22817), (191, 22871), (209, 22994), (213, 23024), (216, 23048),

Gene: Navi1117_29 Start: 24627, Stop: 25790, Start Num: 12

Candidate Starts for Navi1117_29:

(Start: 12 @24627 has 95 MA's), (25, 24732), (27, 24738), (42, 24813), (44, 24819), (50, 24858), (85, 25023), (88, 25044), (112, 25164), (126, 25239), (137, 25281), (151, 25362), (154, 25371), (167, 25398), (173, 25422), (174, 25425), (209, 25602), (213, 25632),

Gene: Nightmare_29 Start: 25921, Stop: 27081, Start Num: 12

Candidate Starts for Nightmare_29:

(Start: 11 @25918 has 9 MA's), (Start: 12 @25921 has 95 MA's), (13, 25927), (21, 25972), (32, 26059), (34, 26062), (40, 26086), (42, 26107), (56, 26188), (93, 26356), (103, 26413), (110, 26452), (121, 26500), (137, 26578), (142, 26605), (175, 26725), (191, 26776), (198, 26818), (201, 26827), (204, 26866), (209, 26899), (213, 26929), (216, 26953), (220, 26995),

Gene: Niktson_28 Start: 26080, Stop: 27243, Start Num: 11

Candidate Starts for Niktson_28:

(Start: 11 @26080 has 9 MA's), (Start: 12 @26083 has 95 MA's), (13, 26089), (29, 26200), (32, 26221), (34, 26224), (42, 26269), (56, 26350), (84, 26476), (93, 26518), (103, 26575), (110, 26614), (142, 26767), (175, 26887), (191, 26938), (198, 26980), (204, 27028), (209, 27061), (213, 27091), (216, 27115), (220, 27157),

Gene: Nithya_34 Start: 29461, Stop: 30894, Start Num: 2

Candidate Starts for Nithya_34:

(Start: 2 @29461 has 44 MA's), (6, 29512), (7, 29524), (25, 29671), (44, 29758), (57, 29839), (68, 29902), (70, 29911), (75, 29932), (77, 29944), (90, 30016), (141, 30268), (144, 30277), (146, 30295), (150, 30319), (159, 30388), (184, 30562), (185, 30589), (188, 30607), (200, 30682), (207, 30751), (208, 30754), (213, 30787),

Gene: Nivinsha_28 Start: 25471, Stop: 26631, Start Num: 12

Candidate Starts for Nivinsha_28:

(Start: 11 @25468 has 9 MA's), (Start: 12 @25471 has 95 MA's), (13, 25477), (21, 25522), (32, 25609), (34, 25612), (42, 25657), (54, 25729), (67, 25777), (84, 25864), (93, 25906), (103, 25963), (110, 26002), (137, 26128), (142, 26155), (149, 26191), (175, 26275), (191, 26326), (198, 26368), (209, 26449), (213, 26479), (220, 26545),

Gene: NoPickles_31 Start: 26217, Stop: 27644, Start Num: 2

Candidate Starts for NoPickles_31:

(Start: 2 @26217 has 44 MA's), (10, 26310), (35, 26469), (44, 26514), (51, 26559), (68, 26658), (70, 26667), (77, 26700), (80, 26715), (90, 26772), (98, 26811), (114, 26895), (140, 27024), (144, 27036), (147, 27060), (152, 27090), (184, 27321), (185, 27348), (191, 27393), (198, 27435), (200, 27441), (201, 27444), (206, 27507), (207, 27510), (208, 27513), (209, 27516), (213, 27546), (221, 27618),

Gene: Odesza_31 Start: 26585, Stop: 28012, Start Num: 2

Candidate Starts for Odesza_31:

(Start: 2 @26585 has 44 MA's), (10, 26678), (35, 26837), (44, 26882), (51, 26927), (68, 27026), (70, 27035), (77, 27068), (80, 27083), (90, 27140), (98, 27179), (114, 27263), (140, 27392), (144, 27404), (147, 27428), (152, 27458), (184, 27689), (185, 27716), (191, 27761), (198, 27803), (200, 27809), (201, 27812), (206, 27875), (207, 27878), (208, 27881), (209, 27884), (213, 27914), (221, 27986),

Gene: OhMyWard_34 Start: 29999, Stop: 31438, Start Num: 2

Candidate Starts for OhMyWard_34:

(Start: 2 @29999 has 44 MA's), (8, 30077), (20, 30149), (25, 30209), (31, 30236), (34, 30245), (41, 30287), (68, 30440), (69, 30446), (70, 30449), (80, 30497), (88, 30548), (90, 30554), (92, 30560), (111, 30662), (114, 30674), (115, 30680), (123, 30722), (131, 30758), (144, 30815), (162, 30947), (164, 30971), (168, 30989), (169, 30992), (184, 31100), (185, 31127), (200, 31220), (209, 31295), (211, 31313), (213, 31325),

Gene: OlgasClover_34 Start: 30185, Stop: 31618, Start Num: 2

Candidate Starts for OlgasClover_34:

(Start: 2 @30185 has 44 MA's), (6, 30236), (25, 30395), (34, 30431), (44, 30482), (57, 30563), (68, 30626), (70, 30635), (75, 30656), (77, 30668), (90, 30740), (94, 30752), (141, 30992), (144, 31001), (146, 31019), (150, 31043), (159, 31112), (162, 31133), (184, 31286), (185, 31313), (188, 31331), (200, 31406), (207, 31475), (208, 31478), (213, 31511), (218, 31571),

Gene: OlympicHelado_25 Start: 22448, Stop: 23623, Start Num: 11

Candidate Starts for OlympicHelado_25:

(Start: 11 @22448 has 9 MA's), (Start: 12 @22451 has 95 MA's), (25, 22556), (40, 22616), (42, 22637), (44, 22643), (50, 22685), (76, 22802), (86, 22853), (94, 22889), (101, 22931), (115, 23003), (122, 23042), (154, 23198), (155, 23207), (174, 23252), (175, 23255), (209, 23426), (213, 23456), (215, 23462), (216, 23480), (220, 23522), (225, 23561),

Gene: Paella_42 Start: 34610, Stop: 35776, Start Num: 12

Candidate Starts for Paella_42:

(Start: 11 @34607 has 9 MA's), (Start: 12 @34610 has 95 MA's), (13, 34616), (26, 34718), (42, 34796), (48, 34823), (52, 34853), (73, 34940), (105, 35111), (138, 35276), (207, 35579), (213, 35615), (218, 35675),

Gene: Pepy6_037 Start: 36697, Stop: 38091, Start Num: 2

Candidate Starts for Pepy6_037:

(Start: 2 @36697 has 44 MA's), (49, 37033), (53, 37057), (68, 37141), (69, 37147), (77, 37183), (95, 37279), (114, 37375), (115, 37381), (128, 37450), (135, 37483), (136, 37486), (140, 37507), (150, 37564), (158, 37606), (160, 37636), (168, 37684), (177, 37726), (183, 37774), (184, 37777), (186, 37804), (191, 37843), (200, 37891), (201, 37894), (205, 37936), (209, 37966), (213, 37996), (214, 37999),

Gene: Perkunas_33 Start: 26981, Stop: 28405, Start Num: 2

Candidate Starts for Perkunas_33:

(Start: 2 @26981 has 44 MA's), (5, 27008), (19, 27128), (34, 27227), (35, 27233), (38, 27245), (44, 27278), (51, 27323), (70, 27431), (77, 27464), (90, 27536), (95, 27563), (98, 27575), (114, 27659), (141, 27791), (152, 27854), (159, 27911), (172, 28010), (184, 28085), (185, 28112), (191, 28157), (200, 28205), (201, 28208), (206, 28271), (207, 28274), (208, 28277), (213, 28310), (218, 28370),

Gene: Petito_33 Start: 27745, Stop: 29172, Start Num: 2

Candidate Starts for Petito_33:

(Start: 2 @27745 has 44 MA's), (3, 27751), (20, 27895), (25, 27955), (32, 27988), (68, 28186), (70, 28195), (75, 28216), (76, 28225), (90, 28300), (106, 28387), (111, 28408), (123, 28468), (140, 28549), (144, 28561), (150, 28603), (159, 28672), (170, 28750), (172, 28771), (184, 28846), (200, 28966), (207, 29035), (208, 29038), (209, 29041), (213, 29071),

Gene: Phaby_29 Start: 25658, Stop: 26821, Start Num: 12

Candidate Starts for Phaby_29:

(Start: 12 @25658 has 95 MA's), (13, 25664), (21, 25709), (25, 25763), (42, 25844), (54, 25916), (56, 25925), (67, 25964), (84, 26051), (106, 26171), (110, 26189), (120, 26234), (137, 26315), (142,

26342), (149, 26378), (191, 26513), (192, 26516), (209, 26636), (213, 26666), (220, 26732),

Gene: Phaila_27 Start: 24038, Stop: 25201, Start Num: 12

Candidate Starts for Phaila_27:

(Start: 12 @24038 has 95 MA's), (25, 24143), (27, 24149), (42, 24224), (44, 24230), (50, 24269), (85, 24434), (88, 24455), (112, 24575), (133, 24674), (167, 24809), (173, 24833), (174, 24836), (209, 25013), (213, 25043),

Gene: Phepper_34 Start: 29244, Stop: 30677, Start Num: 2

Candidate Starts for Phepper_34:

(Start: 2 @29244 has 44 MA's), (14, 29361), (16, 29373), (25, 29454), (34, 29490), (44, 29541), (57, 29622), (68, 29685), (70, 29694), (75, 29715), (77, 29727), (90, 29799), (92, 29805), (113, 29916), (114, 29919), (131, 30003), (140, 30048), (146, 30078), (150, 30102), (159, 30171), (182, 30336), (184, 30345), (185, 30372), (200, 30465), (207, 30534), (208, 30537), (209, 30540), (213, 30570), (218, 30630),

Gene: Pherobrine_33 Start: 29278, Stop: 30717, Start Num: 2

Candidate Starts for Pherobrine_33:

(1, 29272), (Start: 2 @29278 has 44 MA's), (3, 29284), (8, 29356), (20, 29428), (25, 29488), (32, 29521), (44, 29575), (54, 29641), (68, 29719), (90, 29833), (92, 29839), (111, 29941), (115, 29959), (123, 30001), (131, 30037), (144, 30094), (162, 30226), (168, 30268), (169, 30271), (184, 30379), (185, 30406), (191, 30451), (200, 30499), (209, 30574), (211, 30592), (213, 30604),

Gene: PherryCruz_20 Start: 19524, Stop: 20690, Start Num: 11

Candidate Starts for PherryCruz_20:

(Start: 11 @19524 has 9 MA's), (Start: 12 @19527 has 95 MA's), (25, 19632), (32, 19665), (35, 19674), (40, 19692), (42, 19713), (43, 19716), (44, 19719), (48, 19740), (50, 19761), (57, 19797), (60, 19809), (83, 19917), (112, 20067), (124, 20124), (156, 20289), (194, 20394), (205, 20472), (209, 20502), (213, 20529), (215, 20535), (216, 20553),

Gene: Pippin15_27 Start: 23621, Stop: 24688, Start Num: 12

Candidate Starts for Pippin15_27:

(Start: 12 @23621 has 95 MA's), (27, 23732), (34, 23762), (39, 23783), (42, 23807), (43, 23810), (47, 23825), (89, 24014), (91, 24020), (105, 24089), (175, 24389), (191, 24446), (193, 24455), (215, 24605), (217, 24626),

Gene: Poco6_038 Start: 38719, Stop: 40113, Start Num: 2

Candidate Starts for Poco6_038:

(Start: 2 @38719 has 44 MA's), (5, 38746), (49, 39055), (53, 39079), (68, 39163), (75, 39193), (77, 39205), (80, 39220), (98, 39313), (114, 39397), (115, 39403), (128, 39472), (135, 39505), (136, 39508), (140, 39529), (141, 39532), (148, 39574), (150, 39586), (158, 39628), (162, 39676), (168, 39706), (177, 39748), (181, 39775), (183, 39796), (184, 39799), (186, 39826), (191, 39865), (200, 39913), (205, 39958), (209, 39988), (213, 40018),

Gene: Popy_25 Start: 22958, Stop: 24130, Start Num: 12

Candidate Starts for Popy_25:

(Start: 11 @22955 has 9 MA's), (Start: 12 @22958 has 95 MA's), (25, 23063), (37, 23114), (40, 23123), (42, 23144), (44, 23150), (46, 23159), (50, 23192), (86, 23360), (87, 23366), (94, 23396), (101, 23438), (102, 23444), (115, 23510), (122, 23549), (132, 23588), (154, 23705), (155, 23714), (174, 23759), (175, 23762), (205, 23903), (209, 23933), (213, 23963), (215, 23969), (216, 23987), (225, 24068),

Gene: Powelldog_26 Start: 22332, Stop: 23483, Start Num: 12

Candidate Starts for Powelldog_26:

(Start: 12 @22332 has 95 MA's), (17, 22359), (20, 22377), (25, 22437), (33, 22470), (42, 22518), (55, 22587), (62, 22608), (65, 22617), (95, 22773), (102, 22806), (110, 22851), (133, 22959), (134, 22962), (139, 22995), (142, 23004), (147, 23031), (153, 23064), (173, 23118), (189, 23163), (196, 23214), (199, 23220), (201, 23226), (209, 23298), (213, 23328), (215, 23334), (216, 23352),

Gene: ProfFrink_25 Start: 22608, Stop: 23774, Start Num: 12

Candidate Starts for ProfFrink_25:

(Start: 12 @22608 has 95 MA's), (13, 22614), (25, 22713), (27, 22719), (39, 22770), (50, 22842), (88, 23028), (132, 23238), (133, 23247), (147, 23319), (152, 23349), (154, 23355), (179, 23427), (194, 23478), (207, 23580), (209, 23586), (211, 23604), (212, 23613), (213, 23616), (216, 23640), (218, 23676),

Gene: Qui_42 Start: 34610, Stop: 35776, Start Num: 12

Candidate Starts for Qui_42:

(Start: 11 @34607 has 9 MA's), (Start: 12 @34610 has 95 MA's), (13, 34616), (26, 34718), (42, 34796), (48, 34823), (52, 34853), (73, 34940), (105, 35111), (138, 35276), (207, 35579), (213, 35615), (218, 35675),

Gene: Rainydai_23 Start: 21363, Stop: 22529, Start Num: 12

Candidate Starts for Rainydai_23:

(Start: 12 @21363 has 95 MA's), (23, 21447), (27, 21474), (40, 21528), (42, 21549), (44, 21555), (50, 21597), (54, 21621), (87, 21771), (89, 21786), (94, 21801), (101, 21843), (102, 21849), (115, 21915), (153, 22107), (156, 22125), (192, 22218), (213, 22368), (215, 22374), (216, 22392),

Gene: Raunak_25 Start: 22608, Stop: 23774, Start Num: 12

Candidate Starts for Raunak_25:

(Start: 12 @22608 has 95 MA's), (13, 22614), (25, 22713), (27, 22719), (39, 22770), (50, 22842), (88, 23028), (132, 23238), (133, 23247), (147, 23319), (152, 23349), (154, 23355), (179, 23427), (194, 23478), (207, 23580), (209, 23586), (211, 23604), (212, 23613), (213, 23616), (216, 23640), (218, 23676),

Gene: RavenPuff_20 Start: 19527, Stop: 20690, Start Num: 12

Candidate Starts for RavenPuff_20:

(Start: 11 @19524 has 9 MA's), (Start: 12 @19527 has 95 MA's), (25, 19632), (32, 19665), (35, 19674), (40, 19692), (42, 19713), (43, 19716), (44, 19719), (48, 19740), (50, 19761), (57, 19797), (60, 19809), (83, 19917), (112, 20067), (124, 20124), (156, 20289), (194, 20394), (205, 20472), (209, 20502), (213, 20529), (215, 20535), (216, 20553),

Gene: Regigigas_24 Start: 21363, Stop: 22529, Start Num: 12

Candidate Starts for Regigigas_24:

(Start: 12 @21363 has 95 MA's), (23, 21447), (27, 21474), (40, 21528), (42, 21549), (44, 21555), (50, 21597), (54, 21621), (87, 21771), (89, 21786), (94, 21801), (101, 21843), (102, 21849), (115, 21915), (153, 22107), (156, 22125), (192, 22218), (213, 22368), (215, 22374), (216, 22392),

Gene: Renaldo_33 Start: 26387, Stop: 27550, Start Num: 12

Candidate Starts for Renaldo_33:

(Start: 12 @26387 has 95 MA's), (27, 26498), (32, 26525), (41, 26570), (42, 26573), (48, 26600), (50, 26618), (78, 26747), (101, 26864), (138, 27050), (143, 27071), (207, 27356), (209, 27362), (213, 27392), (216, 27416), (220, 27458),

Gene: Rickmore_33 Start: 27895, Stop: 29328, Start Num: 2

Candidate Starts for Rickmore_33:

(Start: 2 @27895 has 44 MA's), (6, 27946), (14, 28012), (16, 28024), (25, 28105), (34, 28141), (44, 28192), (57, 28273), (68, 28336), (70, 28345), (75, 28366), (77, 28378), (90, 28450), (94, 28462), (114, 28570), (131, 28654), (140, 28699), (150, 28753), (159, 28822), (184, 28996), (187, 29035), (200, 29116), (203, 29140), (208, 29188), (213, 29221), (218, 29281), (219, 29284),

Gene: Rima_25 Start: 22448, Stop: 23623, Start Num: 11

Candidate Starts for Rima_25:

(Start: 11 @22448 has 9 MA's), (Start: 12 @22451 has 95 MA's), (25, 22556), (40, 22616), (42, 22637), (44, 22643), (50, 22685), (76, 22802), (86, 22853), (94, 22889), (101, 22931), (115, 23003), (122, 23042), (154, 23198), (155, 23207), (174, 23252), (175, 23255), (209, 23426), (213, 23456), (215, 23462), (216, 23480), (220, 23522), (225, 23561),

Gene: Roney_31 Start: 26585, Stop: 28012, Start Num: 2

Candidate Starts for Roney_31:

(Start: 2 @26585 has 44 MA's), (10, 26678), (35, 26837), (44, 26882), (51, 26927), (68, 27026), (70, 27035), (77, 27068), (80, 27083), (90, 27140), (98, 27179), (114, 27263), (140, 27392), (144, 27404), (152, 27458), (184, 27689), (185, 27716), (191, 27761), (198, 27803), (200, 27809), (201, 27812), (206, 27875), (207, 27878), (208, 27881), (209, 27884), (213, 27914), (221, 27986),

Gene: RosaAsantewaa_21 Start: 19335, Stop: 20507, Start Num: 12

Candidate Starts for RosaAsantewaa_21:

(Start: 12 @19335 has 95 MA's), (18, 19371), (40, 19500), (41, 19518), (42, 19521), (44, 19527), (60, 19617), (96, 19791), (101, 19815), (102, 19821), (110, 19866), (115, 19887), (191, 20187), (209, 20310), (211, 20328), (213, 20340), (215, 20346), (216, 20364), (218, 20400),

Gene: Runhaar_34 Start: 29247, Stop: 30680, Start Num: 2

Candidate Starts for Runhaar_34:

(1, 29241), (Start: 2 @29247 has 44 MA's), (16, 29376), (25, 29457), (34, 29493), (44, 29544), (57, 29625), (68, 29688), (70, 29697), (75, 29718), (77, 29730), (90, 29802), (92, 29808), (113, 29919), (114, 29922), (131, 30006), (140, 30051), (146, 30081), (150, 30105), (159, 30174), (182, 30339), (184, 30348), (185, 30375), (200, 30468), (207, 30537), (208, 30540), (209, 30543), (213, 30573),

Gene: RustyBoy_24 Start: 21998, Stop: 23161, Start Num: 12

Candidate Starts for RustyBoy_24:

(Start: 12 @21998 has 95 MA's), (42, 22184), (50, 22232), (51, 22235), (57, 22268), (65, 22295), (67, 22304), (106, 22511), (110, 22529), (127, 22616), (139, 22673), (142, 22682), (153, 22742), (174, 22799), (191, 22853), (209, 22976), (213, 23006), (216, 23030),

Gene: Salk_25 Start: 22608, Stop: 23774, Start Num: 12

Candidate Starts for Salk_25:

(Start: 12 @22608 has 95 MA's), (13, 22614), (25, 22713), (27, 22719), (39, 22770), (50, 22842), (88, 23028), (132, 23238), (133, 23247), (147, 23319), (152, 23349), (154, 23355), (179, 23427), (194, 23478), (207, 23580), (209, 23586), (211, 23604), (212, 23613), (213, 23616), (216, 23640), (218, 23676),

Gene: Scap1_21 Start: 19479, Stop: 20642, Start Num: 12

Candidate Starts for Scap1_21:

(Start: 12 @19479 has 95 MA's), (25, 19584), (28, 19593), (30, 19608), (34, 19620), (40, 19644), (42, 19665), (44, 19671), (50, 19713), (57, 19749), (60, 19761), (72, 19806), (76, 19830), (96, 19935), (101, 19959), (112, 20019), (116, 20034), (122, 20070), (130, 20106), (137, 20136), (147, 20190), (194, 20346), (205, 20424), (209, 20454), (213, 20481), (215, 20487), (216, 20505),

Gene: Schwartz33_35 Start: 29578, Stop: 31017, Start Num: 2

Candidate Starts for Schwartz33_35:

(Start: 2 @29578 has 44 MA's), (4, 29587), (7, 29641), (14, 29695), (16, 29707), (35, 29830), (37, 29839), (41, 29866), (43, 29872), (50, 29917), (54, 29941), (68, 30019), (75, 30049), (80, 30076), (88, 30127), (90, 30133), (94, 30145), (114, 30253), (115, 30259), (140, 30382), (141, 30385), (144, 30394), (150, 30436), (164, 30550), (168, 30568), (169, 30571), (172, 30604), (180, 30646), (184, 30679), (185, 30706), (194, 30766), (200, 30799), (213, 30904),

Gene: ScienceWizSam_30 Start: 25872, Stop: 27032, Start Num: 12

Candidate Starts for ScienceWizSam_30:

(Start: 11 @25869 has 9 MA's), (Start: 12 @25872 has 95 MA's), (13, 25878), (21, 25923), (32, 26010), (34, 26013), (42, 26058), (54, 26130), (67, 26178), (84, 26265), (93, 26307), (103, 26364), (110, 26403), (137, 26529), (142, 26556), (191, 26727), (198, 26769), (209, 26850), (213, 26880), (220, 26946),

Gene: Secretariat_32 Start: 28312, Stop: 29748, Start Num: 2

Candidate Starts for Secretariat_32:

(Start: 2 @28312 has 44 MA's), (3, 28318), (6, 28363), (20, 28462), (25, 28522), (34, 28558), (35, 28564), (54, 28675), (70, 28762), (75, 28783), (77, 28795), (80, 28810), (90, 28867), (108, 28966), (111, 28975), (131, 29071), (140, 29116), (144, 29128), (150, 29170), (168, 29302), (169, 29305), (180, 29380), (184, 29413), (200, 29533), (209, 29608), (211, 29626), (213, 29638), (218, 29698),

Gene: SendItCS_22 Start: 21363, Stop: 22529, Start Num: 12

Candidate Starts for SendItCS_22:

(Start: 12 @21363 has 95 MA's), (23, 21447), (27, 21474), (40, 21528), (42, 21549), (44, 21555), (50, 21597), (54, 21621), (89, 21786), (94, 21801), (101, 21843), (102, 21849), (115, 21915), (153, 22107), (156, 22125), (192, 22218), (213, 22368), (215, 22374), (216, 22392),

Gene: Serenabean_27 Start: 23971, Stop: 25038, Start Num: 12

Candidate Starts for Serenabean_27:

(Start: 12 @23971 has 95 MA's), (27, 24082), (36, 24124), (39, 24133), (42, 24157), (58, 24238), (91, 24370), (106, 24451), (117, 24496), (125, 24535), (215, 24955), (223, 25027),

Gene: ShaggyRogers_37 Start: 29250, Stop: 30683, Start Num: 2

Candidate Starts for ShaggyRogers_37:

(1, 29244), (Start: 2 @29250 has 44 MA's), (16, 29379), (25, 29460), (34, 29496), (44, 29547), (57, 29628), (68, 29691), (70, 29700), (75, 29721), (77, 29733), (90, 29805), (92, 29811), (94, 29817), (131, 30009), (141, 30057), (144, 30066), (150, 30108), (159, 30177), (162, 30198), (168, 30240), (169, 30243), (184, 30351), (185, 30378), (200, 30471), (207, 30540), (209, 30546), (213, 30576), (218, 30636),

Gene: SheRa_21 Start: 19526, Stop: 20689, Start Num: 12

Candidate Starts for SheRa_21:

(Start: 11 @19523 has 9 MA's), (Start: 12 @19526 has 95 MA's), (25, 19631), (32, 19664), (35, 19673), (40, 19691), (42, 19712), (43, 19715), (44, 19718), (48, 19739), (50, 19760), (57, 19796), (60, 19808), (112, 20066), (115, 20078), (124, 20123), (138, 20192), (156, 20288), (194, 20393), (205, 20471), (209, 20501), (213, 20528), (215, 20534), (216, 20552),

Gene: Shepard_29 Start: 25726, Stop: 26889, Start Num: 12

Candidate Starts for Shepard_29:

(Start: 12 @25726 has 95 MA's), (13, 25732), (25, 25831), (42, 25912), (54, 25984), (56, 25993), (84, 26119), (110, 26257), (137, 26383), (142, 26410), (149, 26446), (191, 26581), (198, 26623), (209, 26704), (213, 26734), (216, 26758), (220, 26800),

Gene: Shiba_25 Start: 22608, Stop: 23774, Start Num: 12

Candidate Starts for Shiba_25:

(Start: 12 @22608 has 95 MA's), (13, 22614), (25, 22713), (27, 22719), (39, 22770), (50, 22842), (88, 23028), (132, 23238), (133, 23247), (147, 23319), (152, 23349), (154, 23355), (179, 23427), (194, 23478), (207, 23580), (209, 23586), (211, 23604), (212, 23613), (213, 23616), (216, 23640), (218, 23676),

Gene: Sloopyjoe_25 Start: 22609, Stop: 23775, Start Num: 12

Candidate Starts for Sloopyjoe_25:

(Start: 12 @22609 has 95 MA's), (13, 22615), (25, 22714), (27, 22720), (39, 22771), (50, 22843), (88, 23029), (132, 23239), (133, 23248), (147, 23320), (152, 23350), (154, 23356), (179, 23428), (194, 23479), (207, 23581), (209, 23587), (211, 23605), (212, 23614), (213, 23617), (216, 23641), (218, 23677),

Gene: Soshi_25 Start: 22964, Stop: 24136, Start Num: 12

Candidate Starts for Soshi_25:

(Start: 11 @22961 has 9 MA's), (Start: 12 @22964 has 95 MA's), (25, 23069), (37, 23120), (40, 23129), (42, 23150), (44, 23156), (46, 23165), (50, 23198), (86, 23366), (87, 23372), (94, 23402), (101, 23444), (102, 23450), (115, 23516), (122, 23555), (132, 23594), (154, 23711), (155, 23720), (174, 23765), (175, 23768), (205, 23909), (209, 23939), (213, 23969), (215, 23975), (216, 23993), (225, 24074),

Gene: Spectropatronm_25 Start: 22445, Stop: 23617, Start Num: 12

Candidate Starts for Spectropatronm_25:

(Start: 11 @22442 has 9 MA's), (Start: 12 @22445 has 95 MA's), (25, 22550), (40, 22610), (42, 22631), (44, 22637), (50, 22679), (76, 22796), (86, 22847), (94, 22883), (101, 22925), (115, 22997), (122, 23036), (154, 23192), (155, 23201), (174, 23246), (175, 23249), (209, 23420), (213, 23450), (215, 23456), (216, 23474), (220, 23516), (225, 23555),

Gene: Sporto_26 Start: 23819, Stop: 24985, Start Num: 12

Candidate Starts for Sporto_26:

(Start: 12 @23819 has 95 MA's), (13, 23825), (25, 23924), (27, 23930), (39, 23981), (40, 23984), (42, 24005), (50, 24053), (65, 24116), (89, 24242), (107, 24341), (118, 24383), (134, 24461), (152, 24560), (195, 24698), (212, 24824), (213, 24827),

Gene: StarLord_25 Start: 22609, Stop: 23775, Start Num: 12

Candidate Starts for StarLord_25:

(Start: 12 @22609 has 95 MA's), (13, 22615), (25, 22714), (27, 22720), (39, 22771), (50, 22843), (88, 23029), (132, 23239), (133, 23248), (147, 23320), (152, 23350), (154, 23356), (179, 23428), (194, 23479), (207, 23581), (209, 23587), (211, 23605), (212, 23614), (213, 23617), (216, 23641), (218, 23677),

Gene: Stayer_25 Start: 22608, Stop: 23774, Start Num: 12

Candidate Starts for Stayer_25:

(Start: 12 @22608 has 95 MA's), (13, 22614), (25, 22713), (27, 22719), (39, 22770), (50, 22842), (88, 23028), (132, 23238), (133, 23247), (147, 23319), (152, 23349), (154, 23355), (179, 23427), (194, 23478), (207, 23580), (209, 23586), (211, 23604), (212, 23613), (213, 23616), (216, 23640), (218, 23676),

Gene: Sunny4976_25 Start: 24396, Stop: 25559, Start Num: 12

Candidate Starts for Sunny4976_25:

(Start: 11 @24393 has 9 MA's), (Start: 12 @24396 has 95 MA's), (13, 24402), (26, 24504), (35, 24543), (38, 24555), (42, 24582), (48, 24609), (66, 24696), (101, 24876), (109, 24924), (137, 25053), (142, 25080), (173, 25194), (193, 25254), (213, 25398), (225, 25509),

Gene: Sweetclover_26 Start: 23413, Stop: 24480, Start Num: 12

Candidate Starts for Sweetclover_26:

(Start: 12 @23413 has 95 MA's), (17, 23440), (24, 23503), (27, 23524), (34, 23554), (38, 23572), (39, 23575), (42, 23599), (58, 23680), (71, 23713), (100, 23857), (105, 23881), (117, 23938), (154, 24121), (195, 24256), (207, 24355), (223, 24469),

Gene: Synopsis_27 Start: 25532, Stop: 26695, Start Num: 11

Candidate Starts for Synopsis_27:

(Start: 11 @25532 has 9 MA's), (Start: 12 @25535 has 95 MA's), (13, 25541), (21, 25586), (32, 25673), (34, 25676), (42, 25721), (54, 25793), (67, 25841), (84, 25928), (93, 25970), (103, 26027), (110, 26066), (137, 26192), (142, 26219), (149, 26255), (191, 26390), (198, 26432), (209, 26513), (213, 26543), (220, 26609),

Gene: TaidaOne_25 Start: 23093, Stop: 24265, Start Num: 12

Candidate Starts for TaidaOne_25:

(Start: 11 @23090 has 9 MA's), (Start: 12 @23093 has 95 MA's), (25, 23198), (40, 23258), (42, 23279), (44, 23285), (50, 23327), (76, 23444), (86, 23495), (94, 23531), (101, 23573), (115, 23645), (116, 23648), (122, 23684), (154, 23840), (155, 23849), (174, 23894), (175, 23897), (209, 24068), (213, 24098), (215, 24104), (216, 24122), (220, 24164), (225, 24203),

Gene: Talon44_33 Start: 26654, Stop: 28078, Start Num: 2

Candidate Starts for Talon44_33:

(Start: 2 @26654 has 44 MA's), (5, 26681), (19, 26801), (34, 26900), (35, 26906), (38, 26918), (44, 26951), (51, 26996), (70, 27104), (77, 27137), (90, 27209), (95, 27236), (98, 27248), (114, 27332), (141, 27464), (152, 27527), (159, 27584), (172, 27683), (184, 27758), (185, 27785), (191, 27830), (200, 27878), (201, 27881), (206, 27944), (207, 27947), (208, 27950), (213, 27983), (218, 28043),

Gene: Tanis_31 Start: 26435, Stop: 27862, Start Num: 2

Candidate Starts for Tanis_31:

(Start: 2 @26435 has 44 MA's), (10, 26528), (35, 26687), (44, 26732), (51, 26777), (68, 26876), (70, 26885), (77, 26918), (80, 26933), (90, 26990), (98, 27029), (114, 27113), (140, 27242), (144, 27254), (147, 27278), (152, 27308), (184, 27539), (185, 27566), (191, 27611), (198, 27653), (200, 27659), (201, 27662), (206, 27725), (207, 27728), (208, 27731), (209, 27734), (213, 27764), (221, 27836),

Gene: Tatanka_28 Start: 26019, Stop: 27179, Start Num: 12

Candidate Starts for Tatanka_28:

(Start: 11 @26016 has 9 MA's), (Start: 12 @26019 has 95 MA's), (13, 26025), (21, 26070), (32, 26157), (34, 26160), (42, 26205), (54, 26277), (67, 26325), (84, 26412), (93, 26454), (103, 26511), (110, 26550), (137, 26676), (142, 26703), (149, 26739), (175, 26823), (191, 26874), (198, 26916), (209, 26997), (213, 27027), (220, 27093),

Gene: Teacup_28 Start: 25391, Stop: 26551, Start Num: 12

Candidate Starts for Teacup_28:

(Start: 11 @25388 has 9 MA's), (Start: 12 @25391 has 95 MA's), (13, 25397), (32, 25529), (34, 25532), (42, 25577), (56, 25658), (67, 25697), (83, 25781), (93, 25826), (103, 25883), (110, 25922), (137, 26048), (142, 26075), (149, 26111), (175, 26195), (191, 26246), (198, 26288), (201, 26297), (204, 26336), (209, 26369), (213, 26399), (216, 26423), (220, 26465),

Gene: TenaciousP_35 Start: 30901, Stop: 32334, Start Num: 2

Candidate Starts for TenaciousP_35:

(Start: 2 @30901 has 44 MA's), (25, 31111), (34, 31147), (44, 31198), (57, 31279), (68, 31342), (70, 31351), (75, 31372), (77, 31384), (90, 31456), (94, 31468), (141, 31708), (144, 31717), (146, 31735),

(150, 31759), (159, 31828), (184, 32002), (185, 32029), (188, 32047), (200, 32122), (207, 32191), (208, 32194), (213, 32227), (218, 32287),

Gene: Tenney120_29 Start: 24749, Stop: 25912, Start Num: 12

Candidate Starts for Tenney120_29:

(Start: 12 @24749 has 95 MA's), (25, 24854), (27, 24860), (42, 24935), (44, 24941), (50, 24980), (85, 25145), (88, 25166), (112, 25286), (167, 25520), (173, 25544), (174, 25547), (209, 25724), (213, 25754),

Gene: Tenno_29 Start: 26620, Stop: 27780, Start Num: 12

Candidate Starts for Tenno_29:

(Start: 11 @26617 has 9 MA's), (Start: 12 @26620 has 95 MA's), (13, 26626), (32, 26758), (34, 26761), (42, 26806), (56, 26887), (83, 27010), (84, 27013), (93, 27055), (103, 27112), (110, 27151), (137, 27277), (142, 27304), (175, 27424), (191, 27475), (198, 27517), (209, 27598), (213, 27628), (220, 27694),

Gene: Thiqqums_23 Start: 21363, Stop: 22529, Start Num: 12

Candidate Starts for Thiqqums_23:

(Start: 12 @21363 has 95 MA's), (23, 21447), (27, 21474), (40, 21528), (42, 21549), (44, 21555), (50, 21597), (54, 21621), (87, 21771), (89, 21786), (94, 21801), (101, 21843), (102, 21849), (115, 21915), (153, 22107), (156, 22125), (192, 22218), (213, 22368), (215, 22374), (216, 22392),

Gene: TieDye_24 Start: 22137, Stop: 23309, Start Num: 12

Candidate Starts for TieDye_24:

(Start: 11 @22134 has 9 MA's), (Start: 12 @22137 has 95 MA's), (25, 22242), (40, 22302), (42, 22323), (44, 22329), (50, 22371), (76, 22488), (86, 22539), (94, 22575), (101, 22617), (115, 22689), (122, 22728), (154, 22884), (155, 22893), (174, 22938), (175, 22941), (209, 23112), (213, 23142), (215, 23148), (216, 23166), (220, 23208), (225, 23247),

Gene: Tokki_29 Start: 25674, Stop: 26837, Start Num: 12

Candidate Starts for Tokki_29:

(Start: 12 @25674 has 95 MA's), (13, 25680), (21, 25725), (25, 25779), (42, 25860), (54, 25932), (56, 25941), (67, 25980), (84, 26067), (106, 26187), (110, 26205), (119, 26244), (120, 26250), (121, 26253), (137, 26331), (142, 26358), (149, 26394), (191, 26529), (192, 26532), (209, 26652), (213, 26682), (220, 26748),

Gene: TonyStarch_25 Start: 22451, Stop: 23623, Start Num: 12

Candidate Starts for TonyStarch_25:

(Start: 11 @22448 has 9 MA's), (Start: 12 @22451 has 95 MA's), (25, 22556), (40, 22616), (42, 22637), (44, 22643), (50, 22685), (76, 22802), (86, 22853), (94, 22889), (101, 22931), (115, 23003), (122, 23042), (154, 23198), (155, 23207), (174, 23252), (175, 23255), (209, 23426), (213, 23456), (215, 23462), (216, 23480), (220, 23522), (225, 23561),

Gene: Tribby_24 Start: 22715, Stop: 23776, Start Num: 9

Candidate Starts for Tribby_24:

(Start: 9 @22715 has 19 MA's), (15, 22745), (19, 22772), (40, 22895), (42, 22916), (47, 22934), (78, 23063), (106, 23201), (137, 23330), (142, 23357), (195, 23558), (197, 23579),

Gene: TrixiePhattel_29 Start: 24770, Stop: 25747, Start Num: 42

Candidate Starts for TrixiePhattel_29:

(Start: 12 @24584 has 95 MA's), (25, 24689), (27, 24695), (39, 24746), (42, 24770), (44, 24776), (50, 24815), (85, 24980), (88, 25001), (112, 25121), (133, 25220), (137, 25238), (151, 25319), (167, 25355), (171, 25376), (173, 25379), (174, 25382), (207, 25553), (209, 25559), (213, 25589),

Gene: Truckee_27 Start: 25563, Stop: 26723, Start Num: 12

Candidate Starts for Truckee_27:

(Start: 12 @25563 has 95 MA's), (13, 25569), (21, 25614), (25, 25668), (42, 25749), (56, 25830), (57, 25833), (84, 25956), (99, 26034), (105, 26064), (106, 26076), (110, 26094), (121, 26142), (137, 26220), (142, 26247), (149, 26283), (152, 26304), (175, 26367), (191, 26418), (192, 26421), (198, 26460), (204, 26508), (209, 26541), (213, 26571), (220, 26637),

Gene: Trufflozitus_34 Start: 26491, Stop: 27918, Start Num: 2

Candidate Starts for Trufflozitus_34:

(Start: 2 @26491 has 44 MA's), (10, 26584), (19, 26638), (35, 26743), (41, 26779), (51, 26833), (57, 26869), (68, 26932), (70, 26941), (77, 26974), (80, 26989), (90, 27046), (114, 27169), (140, 27298), (144, 27310), (152, 27364), (159, 27421), (172, 27520), (184, 27595), (185, 27622), (198, 27709), (200, 27715), (201, 27718), (206, 27781), (207, 27784), (208, 27787), (209, 27790), (213, 27820), (221, 27892),

Gene: Trustiboi_29 Start: 26085, Stop: 27248, Start Num: 11

Candidate Starts for Trustiboi_29:

(Start: 11 @26085 has 9 MA's), (Start: 12 @26088 has 95 MA's), (13, 26094), (21, 26139), (32, 26226), (34, 26229), (42, 26274), (54, 26346), (67, 26394), (84, 26481), (93, 26523), (103, 26580), (110, 26619), (137, 26745), (142, 26772), (149, 26808), (191, 26943), (198, 26985), (209, 27066), (213, 27096), (220, 27162),

Gene: Untouchable_34 Start: 29603, Stop: 31036, Start Num: 2

Candidate Starts for Untouchable_34:

(Start: 2 @29603 has 44 MA's), (14, 29720), (16, 29732), (25, 29813), (34, 29849), (44, 29900), (57, 29981), (68, 30044), (70, 30053), (75, 30074), (77, 30086), (90, 30158), (92, 30164), (113, 30275), (114, 30278), (140, 30407), (144, 30419), (150, 30461), (159, 30530), (162, 30551), (184, 30704), (185, 30731), (188, 30749), (200, 30824), (207, 30893), (208, 30896), (209, 30899), (213, 30929), (218, 30989),

Gene: Uzumaki_28 Start: 25279, Stop: 26442, Start Num: 12

Candidate Starts for Uzumaki_28:

(Start: 12 @25279 has 95 MA's), (25, 25384), (27, 25390), (42, 25465), (44, 25471), (50, 25510), (85, 25675), (88, 25696), (112, 25816), (167, 26050), (173, 26074), (174, 26077), (209, 26254), (213, 26284),

Gene: Vardy_34 Start: 29212, Stop: 30645, Start Num: 2

Candidate Starts for Vardy_34:

(1, 29206), (Start: 2 @29212 has 44 MA's), (16, 29341), (25, 29422), (34, 29458), (44, 29509), (57, 29590), (68, 29653), (70, 29662), (75, 29683), (77, 29695), (90, 29767), (92, 29773), (113, 29884), (114, 29887), (131, 29971), (140, 30016), (146, 30046), (150, 30070), (159, 30139), (182, 30304), (184, 30313), (185, 30340), (200, 30433), (207, 30502), (208, 30505), (209, 30508), (213, 30538), (218, 30598),

Gene: Xenomorph_22 Start: 22733, Stop: 23794, Start Num: 9

Candidate Starts for Xenomorph_22:

(Start: 9 @22733 has 19 MA's), (13, 22754), (15, 22763), (19, 22790), (42, 22934), (59, 23012), (79, 23084), (97, 23168), (106, 23219), (137, 23348), (138, 23357), (142, 23375), (195, 23576),

Gene: Yotsuba_28 Start: 25982, Stop: 27049, Start Num: 12

Candidate Starts for Yotsuba_28:

(Start: 12 @25982 has 95 MA's), (27, 26093), (34, 26123), (39, 26144), (42, 26168), (58, 26252), (74, 26300), (89, 26375), (91, 26381), (105, 26450), (154, 26693), (175, 26750), (190, 26804), (193, 26816), (217, 26987),

Gene: Zeina_28 Start: 24660, Stop: 25823, Start Num: 12

Candidate Starts for Zeina_28:

(Start: 12 @24660 has 95 MA's), (25, 24765), (27, 24771), (42, 24846), (44, 24852), (50, 24891), (85, 25056), (88, 25077), (112, 25197), (133, 25296), (167, 25431), (173, 25455), (174, 25458), (209, 25635), (213, 25665),

Gene: Zeph_35 Start: 29961, Stop: 31394, Start Num: 2

Candidate Starts for Zeph_35:

(Start: 2 @29961 has 44 MA's), (14, 30078), (16, 30090), (25, 30171), (34, 30207), (44, 30258), (57, 30339), (68, 30402), (70, 30411), (75, 30432), (77, 30444), (90, 30516), (92, 30522), (113, 30633), (114, 30636), (140, 30765), (144, 30777), (150, 30819), (159, 30888), (162, 30909), (180, 31029), (184, 31062), (185, 31089), (188, 31107), (200, 31182), (207, 31251), (208, 31254), (209, 31257), (213, 31287), (218, 31347),

Gene: Zippen_28 Start: 25867, Stop: 27036, Start Num: 12

Candidate Starts for Zippen_28:

(Start: 11 @25864 has 9 MA's), (Start: 12 @25867 has 95 MA's), (13, 25873), (21, 25918), (34, 26008), (42, 26053), (54, 26125), (56, 26134), (67, 26173), (103, 26359), (107, 26389), (110, 26398), (137, 26524), (142, 26551), (147, 26578), (149, 26587), (190, 26719), (191, 26722), (204, 26812), (209, 26845), (213, 26875), (216, 26899), (220, 26941),