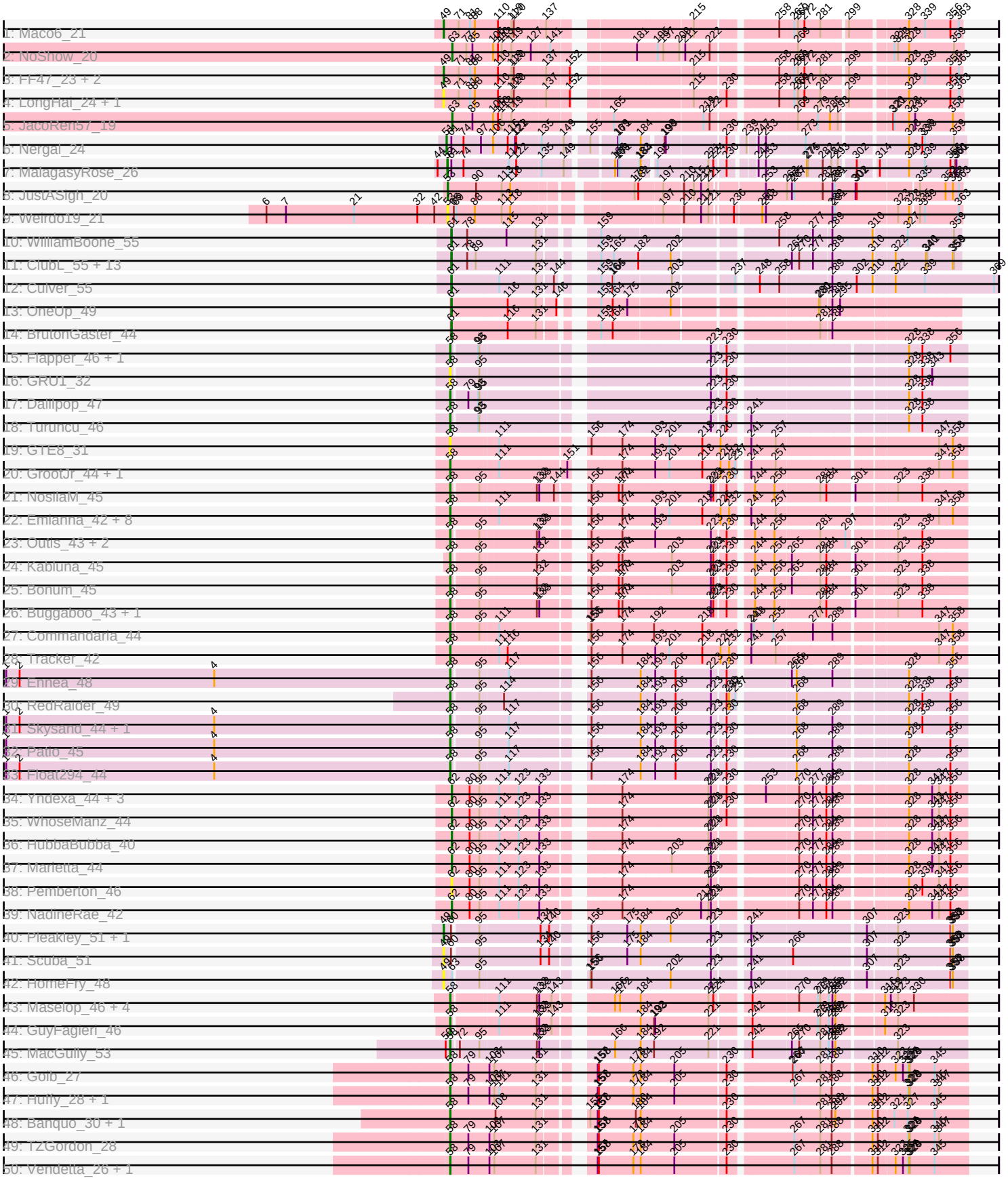
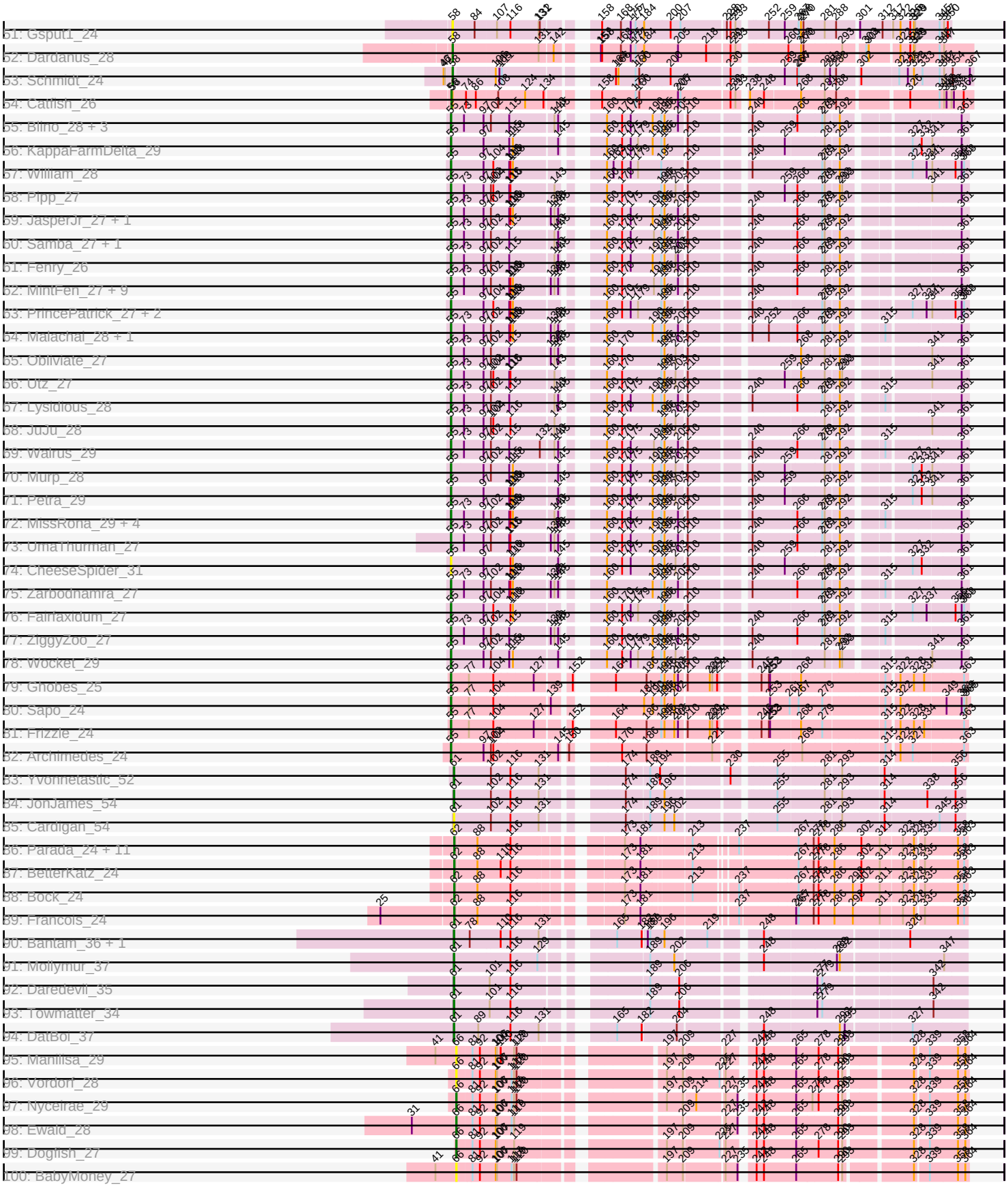
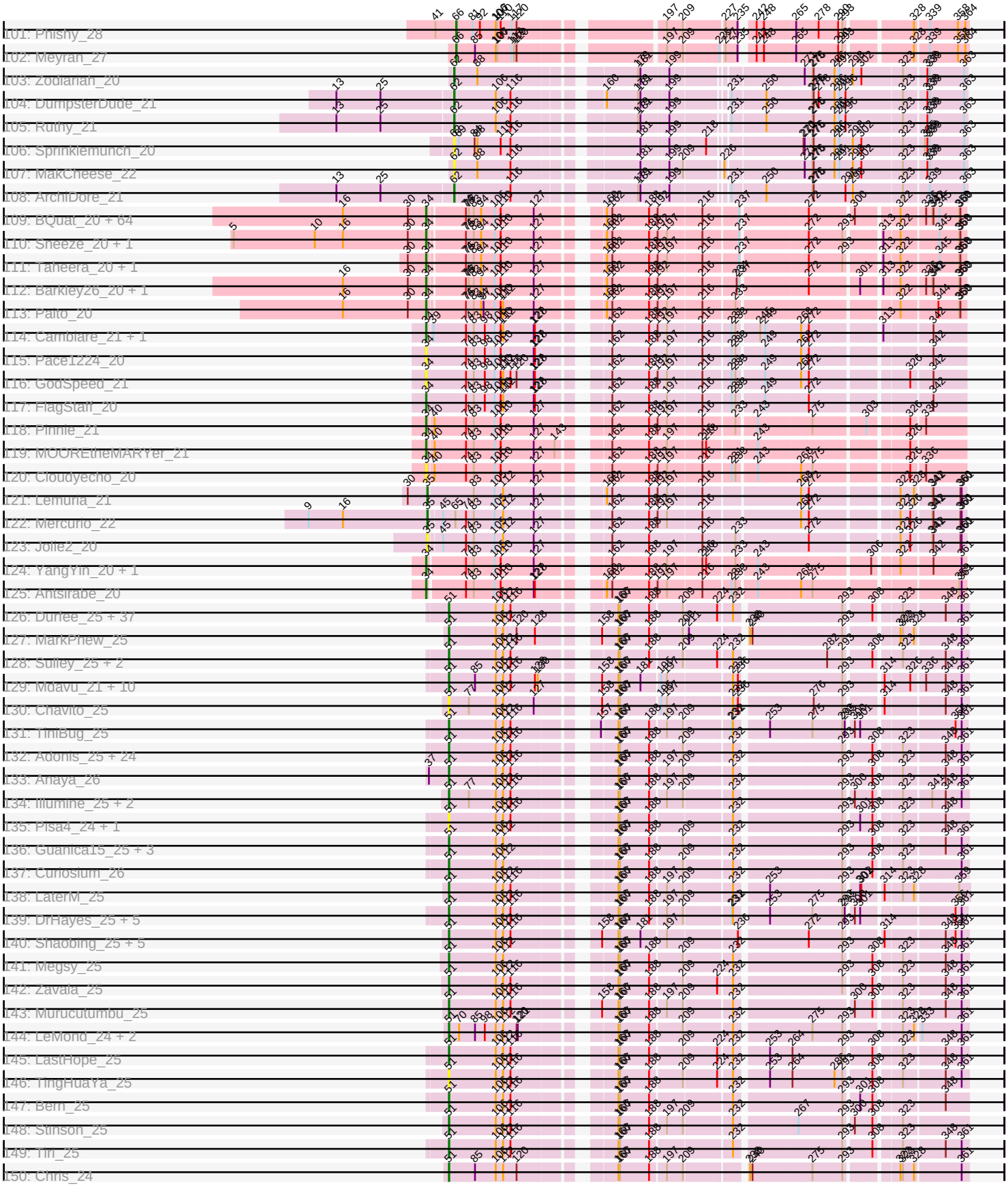
Pham 281875


1: Maco6_21
2: NoShow_20
3: FF47_23 + 2
4: LongHal_24 + 1
5: JacoRen57_19
6: Nergal_24
7: MalagasyRose_26
8: JustASigh_20
9: Weirdo19_21
10: WilliamBoone_55
11: ClubL_55 + 13
12: Culver_55
13: OneUp_49
14: BrutonGaster_44
15: Flapper_46 + 1
16: GRO1_32
17: Dallipop_47
18: Turuncu_46
19: GTE8_31
20: GrootJr_44 + 1
21: NosilaM_45
22: Emlanna_42 + 8
23: Outis_43 + 2
24: Kabluna_45
25: Bonum_45
26: Buggaboo_43 + 1
27: Commandaria_44
28: Tracker_42
29: Ennea_48
30: RedRaider_49
31: Skysand_44 + 1
32: Patio_45
33: Float294_44
34: Yndexa_44 + 3
35: WhoseManz_44
36: HubbaBubba_40
37: Manetta_44
38: Pemberton_46
39: NadineRae_42
40: Pleakley_51 + 1
41: Scuba_51
42: HomeFry_48
43: Maselop_46 + 4
44: GuyFagieri_46
45: MacGuffy_53
46: Golb_27
47: Huffy_28 + 1
48: Banquo_30 + 1
49: TZGordon_28
50: Vendetta_26 + 1

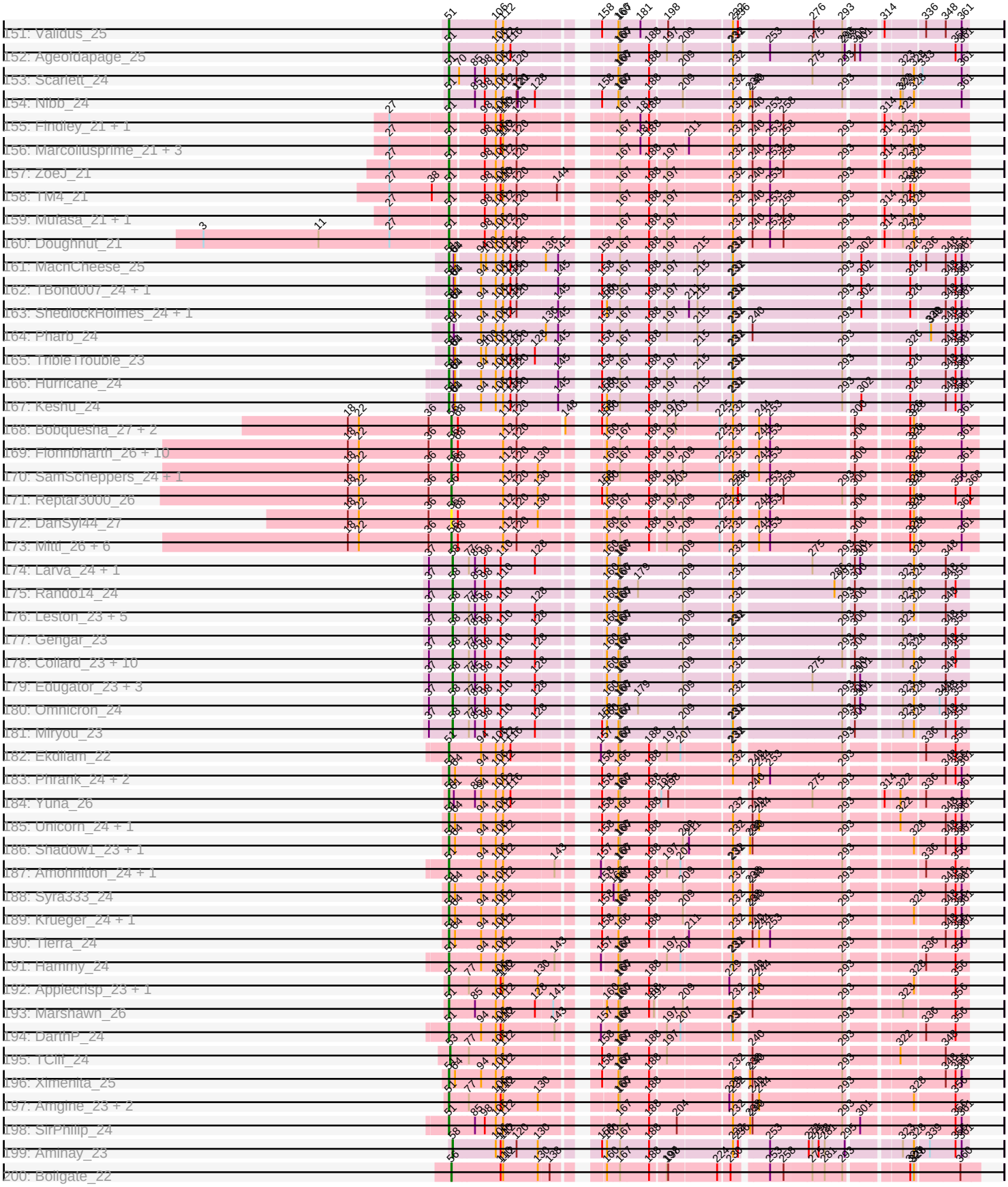
Pham 281875


51: Gsput1_24
52: Dardanus_28
53: Schmidt_24
54: Catfish_26
55: Bilno_28 + 3
56: KappaFarmDelta_29
57: William_28
58: Pipp_27
59: JasperJr_27 + 1
60: Samba_27 + 1
61: Fenry_26
62: MintFen_27 + 9
63: PrincePatrick_27 + 2
64: Malachai_28 + 1
65: Obliviate_27
66: Otz_27
67: Lysidious_28
68: JuJu_28
69: Walrus_29
70: Murp_28
71: Petra_29
72: MissRona_29 + 4
73: OmaThurman_27
74: CheeseSpider_31
75: Zarboonamra_27
76: Fairaxidum_27
77: ZiggyZoo_27
78: Wocket_29
79: Ghobes_25
80: Sapo_24
81: Frizzle_24
82: Archimedes_24
83: Yvonnetastic_52
84: JonJames_54
85: Cardigan_54
86: Parada_24 + 11
87: BetterKatz_24
88: Bock_24
89: Francois_24
90: Bantam_36 + 1
91: Mollymur_37
92: Daredevil_35
93: Towmatter_34
94: DatBoi_37
95: Manlisa_29
96: Vordon_28
97: Nycelrae_29
98: Ewald_28
99: Dogfish_27
100: BabyMoney_27

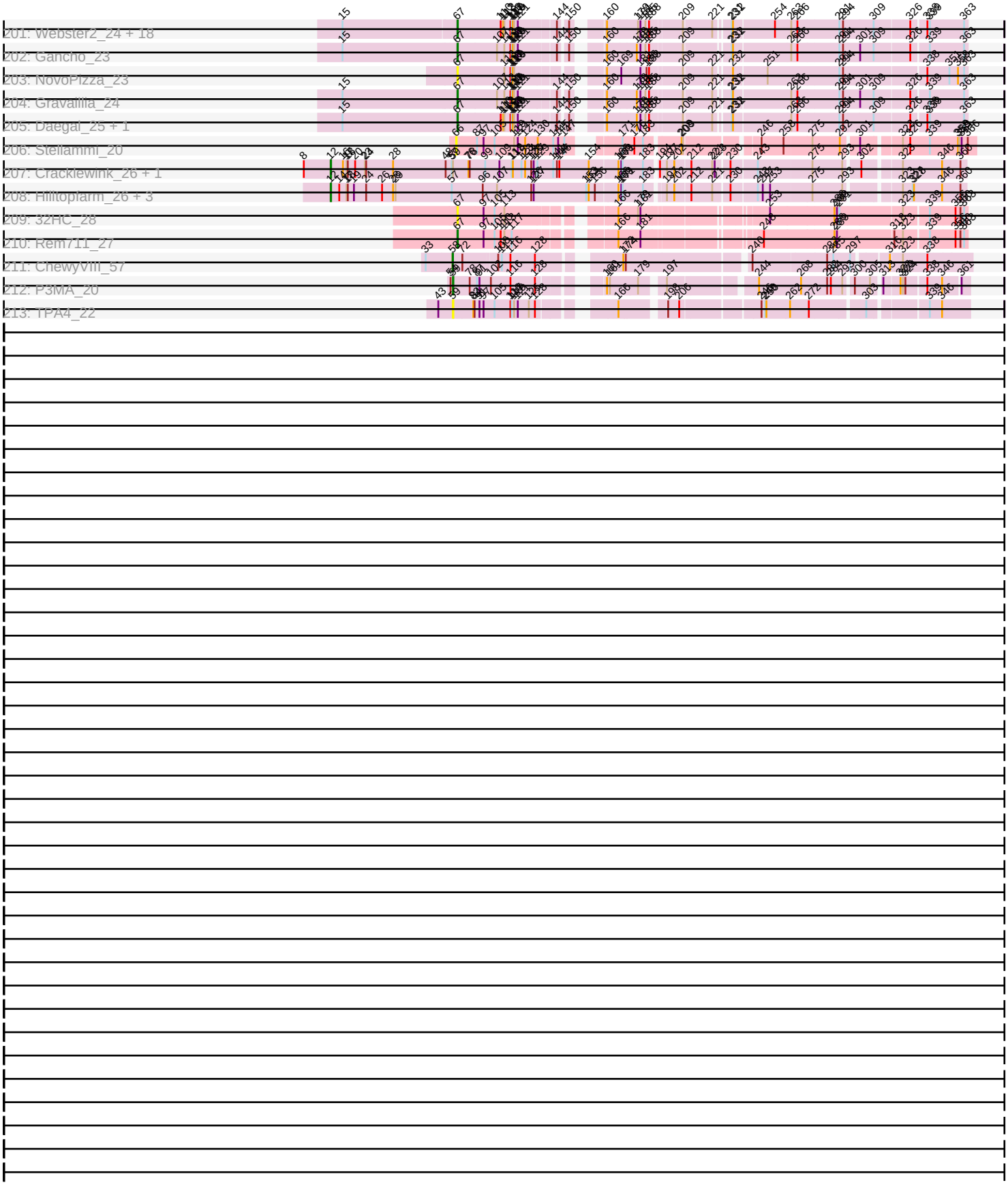
Pham 281875



Pham 281875


151: Validus_25
152: Ageoldapage_25
153: Scarlett_24
154: Nibb_24
155: Findley_21 + 1
156: Marcoliusprime_21 + 3
157: ZoeJ_21
158: TM4_21
159: Murasa_21 + 1
160: Doughnut_21
161: MacnCheese_25
162: TBond007_24 + 1
163: SheilockHolmes_24 + 1
164: Pharb_24
165: TribleTrouble_23
166: Hurricane_24
167: Keshu_24
168: Bobquesha_27 + 2
169: Fionnbharth_26 + 10
170: SamScheppers_24 + 1
171: Reptar3000_26
172: DanSyl44_27
173: Mitti_26 + 6
174: Larva_24 + 1
175: Rando14_24
176: Leston_23 + 5
177: Gengar_23
178: Collard_23 + 10
179: Edugator_23 + 3
180: Omnicron_24
181: Miryou_23
182: Ekuliam_22
183: Phrank_24 + 2
184: Yuna_26
185: Unicorn_24 + 1
186: Shadow1_23 + 1
187: Amohnition_24 + 1
188: Syra333_24
189: Krueger_24 + 1
190: Tierra_24
191: Hammy_24
192: Applechisp_23 + 1
193: Marshawn_26
194: DarthP_24
195: TCliff_24
196: Ximenita_25
197: Amgine_23 + 2
198: SirPhilip_24
199: Aminay_23
200: Boilgate_22

Pham 281875


201: Webster2_24 + 18
202: Gancho_23
203: NovoPizza_23
204: Gravalilla_24
205: Daegar_25 + 1
206: Stellamm_20
207: Crackiewink_26 + 1
208: Hilltoplarm_26 + 3
209: 32HC_28
210: Rem711_27
211: ChewyVm_57
212: P3MA_20
213: TPA4_22

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 281875 Report

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

Pham number 281875 has 524 members, 64 are drafts.

Phages represented in each track:
- Track 1 : Maco6_21
- Track 2 : NoShow_20
- Track 3 : FF47_23, Muddy_23, 8UZL_23
- Track 4 : LongHai_24, Salvus_24
- Track 5 : JacoRen57_19
- Track 6 : Nergal_24
- Track 7 : MalagasyRose_26
- Track 8 : JustASigh_20
- Track 9 : Weirdo19_21
- Track 10 : WilliamBoone_55
- Track 11 : ClubL_55, PhinkBoden_55, Bachita_57, Norvs_56, Abscondus_54, Smoothie_57, Toniann_55, Lozinak_56, Geeche_54, Engineer_57, Miskis_53, Dusty_54, Cucurbita_57, Aphelion_55
- Track 12 : Culver_55
- Track 13 : OneUp_49
- Track 14 : BrutonGaster_44
- Track 15 : Flapper_46, GTE5_33
- Track 16 : GRU1_32
- Track 17 : Dalilpop_47
- Track 18 : Turuncu_46
- Track 19 : GTE8_31
- Track 20 : GrootJr_44, NovumRegina_42
- Track 21 : NosilaM_45
- Track 22 : Emianna_42, Kurt_42, Arti_42, NatB6_42, KidneyBean_42, Phomeo_41, Foxboro_43, Wheezy_42, Jifall16_41
- Track 23 : Outis_43, StarStruck_43, MerCougar_43
- Track 24 : Kabluna_45
- Track 25 : Bonum_45
- Track 26 : Buggaboo_43, SuperSulley_43
- Track 27 : Commandaria_44
- Track 28 : Tracker_42
- Track 29 : Ennea_48
- Track 30 : RedRaider_49
- Track 31 : Skysand_44, Lollipop1437_47
- Track 32 : Patio_45
- Track 33 : Float294_44
- Track 34 : Yndexa_44, IDyn_43, BiPauneto_45, Sukkupi_44

• Track 35 : WhoseManz_44
• Track 36 : HubbaBubba_40
• Track 37 : Marietta_44
• Track 38 : Pemberton_46
• Track 39 : NadineRae_42
• Track 40 : Pleakley_51, Fury_51
• Track 41 : Scuba_51
• Track 42 : HomeFry_48
• Track 43 : Maselop_46, Polyyuki_46, CoffeeBean_46, Apiary_46, Braxoaddie_46
• Track 44 : GuyFagieri_46
• Track 45 : MacGully_53
• Track 46 : Goib_27
• Track 47 : Huffy_28, DinoDaryn_28
• Track 48 : Banquo_30, TinaLin_29
• Track 49 : TZGordon_28
• Track 50 : Vendetta_26, Splinter_26
• Track 51 : Gsput1_24
• Track 52 : Dardanus_28
• Track 53 : Schmidt_24
• Track 54 : Catfish_26
• Track 55 : Blino_28, Jalammah_29, CarolAnn_28, Mellie_26
• Track 56 : KappaFarmDelta_29
• Track 57 : William_28
• Track 58 : Pipp_27
• Track 59 : JasperJr_27, Guacamole_27
• Track 60 : Samba_27, Hitter_27
• Track 61 : Fenry_26
• Track 62 : MintFen_27, CaptainKirk2_27, Archis_28, Melba_27, PhrostedPhlake_29, Zilla_27, Delian_28, Wisp_26, BlingBling_27, Barco_27
• Track 63 : PrincePatrick_27, PCoral7_28, Toast_28
• Track 64 : Malachai_28, Begonia_28
• Track 65 : Obliviate_27
• Track 66 : Utz_27
• Track 67 : Lysidious_28
• Track 68 : JuJu_28
• Track 69 : Walrus_29
• Track 70 : Murp_28
• Track 71 : Petra_29
• Track 72 : MissRona_29, Gambino_29, Azula_29, Frokostdame_27, Blueberry_29
• Track 73 : UmaThurman_27
• Track 74 : CheeseSpider_31
• Track 75 : Zarbodnamra_27
• Track 76 : Fairfaxidum_27
• Track 77 : ZiggyZoo_27
• Track 78 : Wocket_29
• Track 79 : Ghobes_25
• Track 80 : Sapo_24
• Track 81 : Frizzle_24
• Track 82 : Archimedes_24
• Track 83 : Yvonnetastic_52
• Track 84 : JonJames_54
• Track 85 : Cardigan_54

• Track 86 : Parada_24, DelRio_25, Pimento_25, Ayotoya_24, Hamood_24, Chop_24, Brylie_24, Mulch_24, NancyRae_24, WheatThin_24, Nadeem_24, GrandSlam_24
• Track 87 : BetterKatz_24
• Track 88 : Bock_24
• Track 89 : Francois_24
• Track 90 : Bantam_36, SpeedDemon_380
• Track 91 : Mollymur_37
• Track 92 : Daredevil_35
• Track 93 : Towmatter_34
• Track 94 : DatBoi_37
• Track 95 : Manilisa_29
• Track 96 : Vordorf_28
• Track 97 : Nyceirae_29
• Track 98 : Ewald_28
• Track 99 : Dogfish_27
• Track 100 : BabyMoney_27
• Track 101 : Phishy_28
• Track 102 : Meyran_27
• Track 103 : Zodiariah_20
• Track 104 : DumpsterDude_21
• Track 105 : Ruthy_21
• Track 106 : Sprinklemunch_20
• Track 107 : MakCheese_22
• Track 108 : ArchiDore_21
• Track 109 : BQuat_20, Crespo_20, AzulaCat_20, Jane_20, Maliketh_20, BPs_20, LouisV14_20, Aroostook_20, Mowgli_20, Jonghyun_20, PinkYoshi_20, Phish_20, Rattrick_20, Remy19_20, CassieYates_20, TinaBug_20, BruceB_20, DingDing_20, Sweets_20, Hope_20, Kareem_20, Frosty24_20, TomBrady_20, OctaviousRex_20, Renaissance_20, Gideon_20, Kasen3_20, Sizemore_20, Hotshotbaby7_20, JorRay_20, Phreak_20, CLED96_20, Coleslaw_20, Olga_20, DNAIII_0020, Jeilious_20, Neoh_20, Cedasite_20, Halo_20, Plagueis_20, Annihilator_20, Peeb_20, Cherrybomb426_20, Chance64_20, DMoney_20, ShaboiShabazz_20, Liefie_20, AizenPogi_20, Gomashi_20, ECartman_20, Richarlison_20, Wendigo_20, Jolene_20, Ruriko_20, Angel_20, Zombie_20, Darionha_20, Phloodle_20, GoldenAsh_20, Camri_20, Marmie_20, Periodt_20, Avrafan_20, ZoMa_20, Schiebel_20
• Track 110 : Sneeze_20, Rabbs_20
• Track 111 : Taheera_20, Terror_20
• Track 112 : Barkley26_20, Grizzly_20
• Track 113 : Paito_20
• Track 114 : Cambiare_21, Avocado_20
• Track 115 : Pace1224_20
• Track 116 : GodSpeed_21
• Track 117 : FlagStaff_20
• Track 118 : Pinnie_21
• Track 119 : MOOREtheMARYer_21
• Track 120 : Cloudyecho_20
• Track 121 : Lemuria_21
• Track 122 : Mercurio_22
• Track 123 : Jolie2_20
• Track 124 : YangYin_20, Stargaze_20
• Track 125 : Antsirabe_20
• Track 126 : Durfee_25, Joy99_25, Dalmuri_25, Inky_25, Capricorn_25, Jeckyll_25, BGlluviae_25, CallaLilly_25, CREW_25, AlishaPH_25, Ramen_25, Boiiii_25,

Belladonna_25, Peel_25, Padfoot_25, Mynx_25, Asayake_25, Twitch_25, Emerson_25, CaseJules_25, BarrelRoll_25, Llorens_25, BaghaKamala_25, Piatt_25, Apocalypse_25, JAWS_25, BEEST_25, Hyperbowlee_25, Jarvi_25, TruffulaTree_25, Spock_25, Topper_25, Padpat_25, Blizzard_25, Homura_25, Rosmarinus_25, ShiaSurprise_25, Lunahalos_25
• Track 127 : MarkPhew_25
• Track 128 : Sulley_25, Angelica_25, Deby_25
• Track 129 : Mdavu_21, Trice_21, Amelie_21, Nikao_21, LilPharaoh_21, Teejan_21, Biglebops_21, Enkosi_21, Torres_21, SgtBeansprout_21, Nutello_21
• Track 130 : Chavito_25
• Track 131 : TiniBug_25
• Track 132 : Adonis_25, HedwigODU_25, TreyKay_25, Geraldini_25, MeaningOfLife_25, Veliki_25, Tachez_25, Prithvi_25, Zabiza_25, Rapunzel97_25, Pokerus_24, YoureAdopted_24, CheetoDust_25, Jayhawk_25, MacKat_25, Ganymede_26, Adephagia_25, Beezoo_25, QuincyRose_24, Slimphazie_25, CrimD_25, LindNT_25, ActinUp_25, Atiba_25, Clipper_25
• Track 133 : Anaya_26
• Track 134 : Illumine_25, Devera_25, Dole_25
• Track 135 : Pisa4_24, Pisa1_24
• Track 136 : Guanica15_25, Yunkel11_25, Efra2_25, TaiwanKao_26
• Track 137 : Curiosium_26
• Track 138 : LaterM_25
• Track 139 : DrHayes_25, Anma_25, Bella96_25, DartGoblin_25, Urkel_25, SamuelLPlaqson_25
• Track 140 : Shaobing_25, Dartin_25, McMater_25, Peanam_25, Richo_25, Niklas_25
• Track 141 : Megsy_25
• Track 142 : Zavala_25
• Track 143 : Murucutumbu_25
• Track 144 : LeMond_24, KiSi_24, Oscar_24
• Track 145 : LastHope_25
• Track 146 : TingHuaYa_25
• Track 147 : Bern_25
• Track 148 : Stinson_25
• Track 149 : Tiri_25
• Track 150 : Chris_24
• Track 151 : Validus_25
• Track 152 : Ageofdapage_25
• Track 153 : Scarlett_24
• Track 154 : Nibb_24
• Track 155 : Findley_21, Strobilo_21
• Track 156 : Marcoliusprime_21, Milly_21, DismalStressor_21, DismalFunk_21
• Track 157 : ZoeJ_21
• Track 158 : TM4_21
• Track 159 : Mufasa_21, BoostSeason_21
• Track 160 : Doughnut_21
• Track 161 : MacnCheese_25
• Track 162 : TBond007_24, Pixie_24
• Track 163 : ShedlockHolmes_24, Lea83_24
• Track 164 : Pharb_24
• Track 165 : TribleTrouble_23
• Track 166 : Hurricane_24
• Track 167 : Keshu_24

• Track 168 : Bobquesha_27, MissDaisy_26, Patt_26
• Track 169 : Fionnbharth_26, Y10_26, Kraw_26, Juliette_26, JF1_26, Ruthiejr_25, YasnayaPolyana_26, Wintermute_26, Y2_26, Eponine_26, Malthus_27
• Track 170 : SamScheppers_24, Taquito_24
• Track 171 : Reptar3000_26
• Track 172 : DanSyl44_27
• Track 173 : Mitti_26, OmniCritical_26, Cheetobro_26, Chancellor_26, Slarp_26, Qhanda_27, Lebo14_26
• Track 174 : Larva_24, Neighly_24
• Track 175 : Rando14_24
• Track 176 : Leston_23, SoSeph_23, Heftyboy_23, Paola_23, Guillsminger_23, OkiRoe_23
• Track 177 : Gengar_23
• Track 178 : Collard_23, Feyre_23, ViviJ_22, Waterfoul_23, Kratio_22, Agent47_23, LilDirt_22, Thyatira_23, BananenDer11_23, DoubleChamp_23, InvictusManeo_23
• Track 179 : Edugator_23, Dadosky_24, Psycho_24, AlleyCat_24
• Track 180 : Omnicron_24
• Track 181 : Miryou_23
• Track 182 : Ekdilam_22
• Track 183 : Phrank_24, Bryler_24, Cain_24
• Track 184 : Yuna_26
• Track 185 : Unicorn_24, PhelpsODU_24
• Track 186 : Shadow1_23, Sunflower1121_23
• Track 187 : Amohnition_24, November_23
• Track 188 : Syra333_24
• Track 189 : Krueger_24, Tigress9_25
• Track 190 : Tierra_24
• Track 191 : Hammy_24
• Track 192 : Applecrisp_23, Ellie_22
• Track 193 : Marshawn_26
• Track 194 : DarthP_24
• Track 195 : TClif_24
• Track 196 : Ximenita_25
• Track 197 : Amgine_23, Lavahound_23, Fefferhead_24
• Track 198 : SirPhilip_24
• Track 199 : Aminay_23
• Track 200 : Boilgate_22
• Track 201 : Webster2_24, Ein37_24, Amymech_24, Giles_24, LilHazelnut_24, Forge_24, Kinbote_24, BloominB_24, Hadrien_24, Evanesce_24, HH92_24, Wishmaker_24, Dewey_24, Luke_24, Hail_24, Ubuntu_24, DeepSoil15_24, OBUpride_24, Luna22_24
• Track 202 : Gancho_23
• Track 203 : NovoPizza_23
• Track 204 : Gravaillia_24
• Track 205 : Daegal_25, Amochick_24
• Track 206 : Stellammi_20
• Track 207 : Cracklewink_26, Bipper_26
• Track 208 : Hilltopfarm_26, Faiyaz_26, AuntGwenStacy_26, Typha_26
• Track 209 : 32HC_28
• Track 210 : Rem711_27
• Track 211 : ChewyVIII_57
• Track 212 : P3MA_20
• Track 213 : TPA4_22

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

The start number called the most often in the published annotations is 51, it was called in 152 of the 460 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ActinUp_25, Adephagia_25, Adonis_25, Ageofdapage_25, AlishaPH_25, Amelie_21, Amgine_23, Amohnition_24, Anaya_26, Angelica_25, Anma_25, Apocalypse_25, Applecrisp_23, Asayake_25, Atiba_25, BEEST_25, BGlluviae_25, BaghaKamala_25, BarrelRoll_25, Beezoo_25, Bella96_25, Belladonna_25, Bern_25, Biglebops_21, Blizzard_25, Boiiii_25, BoostSeason_21, Bryler_24, CREW_25, Cain_24, CallaLilly_25, Capricorn_25, CaseJules_25, Chavito_25, CheetoDust_25, Chris_24, Clipper_25, CrimD_25, Curiosium_26, Dalmuri_25, DartGoblin_25, DarthP_24, Dartin_25, Deby_25, Devera_25, DismalFunk_21, DismalStressor_21, Dole_25, Doughnut_21, DrHayes_25, Durfee_25, Efra2_25, Ekdilam_22, Ellie_22, Emerson_25, Enkosi_21, Fefferhead_24, Findley_21, Ganymede_26, Geraldini_25, Guanica15_25, Hammy_24, HedwigODU_25, Homura_25, Hurricane_24, Hyperbowlee_25, Illumine_25, Inky_25, JAWS_25, Jarvi_25, Jayhawk_25, Jeckyll_25, Joy99_25, Keshu_24, KiSi_24, Krueger_24, LastHope_25, LaterM_25, Lavahound_23, LeMond_24, Lea83_24, LilPharaoh_21, LindNT_25, Llorens_25, Lunahalos_25, MacKat_25, MacnCheese_25, Marcoliusprime_21, MarkPhew_25, Marshawn_26, McMater_25, Mdavu_21, MeaningOfLife_25, Megsy_25, Milly_21, Mufasa_21, Murucutumbu_25, Mynx_25, Nergal_24, Nibb_24, Nikao_21, Niklas_25, November_23, Nutello_21, Oscar_24, Padfoot_25, Padpat_25, Peanam_25, Peel_25, Pharb_24, PhelpsODU_24, Phrank_24, Piatt_25, Pisa1_24, Pisa4_24, Pixie_24, Pokerus_24, Prithvi_25, QuincyRose_24, Ramen_25, Rapunzel97_25, Richo_25, Rosmarinus_25, SamuelLPlaqson_25, Scarlett_24, SgtBeansprout_21, Shadow1_23, Shaobing_25, ShedlockHolmes_24, ShiaSurprise_25, SirPhilip_24, Slimphazie_25, Spock_25, Stinson_25, Strobilo_21, Sulley_25, Sunflower1121_23, Syra333_24, TBond007_24, TM4_21, Tachez_25, TaiwanKao_26, Teejan_21, Tierra_24, Tigress9_25, TingHuaYa_25, TiniBug_25, Tiri_25, Topper_25, Torres_21, TreyKay_25, TribleTrouble_23, Trice_21, TruffulaTree_25, Twitch_25, Unicorn_24, Urkel_25, Validus_25, Veliki_25, Ximenita_25, YoureAdopted_24, Yuna_26, Yunkel11_25, Zabiza_25, Zavala_25, ZoeJ_21,

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

Genes that do not have the "Most Annotated" start:
• 32HC_28, 8UZL_23, Abscondus_54, Agent47_23, AizenPogi_20, AlleyCat_24, Aminay_23, Amochick_24, Amymech_24, Angel_20, Annihilator_20, Antsirabe_20, Aphelion_55, Apiary_46, ArchiDore_21, Archimedes_24, Archis_28, Aroostook_20, Arti_42, AuntGwenStacy_26, Avocado_20, Avrafan_20, Ayotoya_24, AzulaCat_20, Azula_29, BPs_20, BQuat_20, BabyMoney_27, Bachita_57, BananenDer11_23, Banquo_30, Bantam_36, Barco_27, Barkley26_20, Begonia_28, BetterKatz_24, BiPauneto_45, Bipper_26, BlingBling_27, Blino_28, BloominB_24, Blueberry_29, Bobquesha_27, Bock_24, Boilgate_22, Bonum_45, Braxoaddie_46, BruceB_20, BrutonGaster_44, Brylie_24, Buggaboo_43, CLED96_20, Cambiare_21, Camri_20, CaptainKirk2_27, Cardigan_54, CarolAnn_28, CassieYates_20, Catfish_26,

Cedasite_20, Chance64_20, Chancellor_26, CheeseSpider_31, Cheetobro_26, Cherrybomb426_20, ChewyVIII_57, Chop_24, Cloudyecho_20, ClubL_55, CoffeeBean_46, Coleslaw_20, Collard_23, Commandaria_44, Cracklewink_26, Crespo_20, Cucurbita_57, Culver_55, DMoney_20, DNAIII_0020, Dadosky_24, Daegal_25, Dalilpop_47, DanSyl44_27, Dardanus_28, Daredevil_35, Darionha_20, DatBoi_37, DeepSoil15_24, DelRio_25, Delian_28, Dewey_24, DingDing_20, DinoDaryn_28, Dogfish_27, DoubleChamp_23, DumpsterDude_21, Dusty_54, ECartman_20, Edugator_23, Ein37_24, Emianna_42, Engineer_57, Ennea_48, Eponine_26, Evanesce_24, Ewald_28, FF47_23, Fairfaxidum_27, Faiyaz_26, Fenry_26, Feyre_23, Fionnbharth_26, FlagStaff_20, Flapper_46, Float294_44, Forge_24, Foxboro_43, Francois_24, Frizzle_24, Frokostdame_27, Frosty24_20, Fury_51, GRU1_32, GTE5_33, GTE8_31, Gambino_29, Gancho_23, Geeche_54, Gengar_23, Ghobes_25, Gideon_20, Giles_24, GodSpeed_21, Goib_27, GoldenAsh_20, Gomashi_20, GrandSlam_24, Gravaillia_24, Grizzly_20, GrootJr_44, Gsput1_24, Guacamole_27, Guillsminger_23, GuyFagieri_46, HH92_24, Hadrien_24, Hail_24, Halo_20, Hamood_24, Heftyboy_23, Hilltopfarm_26, Hitter_27, HomeFry_48, Hope_20, Hotshotbaby7_20, HubbaBubba_40, Huffy_28, IDyn_43, InvictusManeo_23, JF1_26, JacoRen57_19, Jalammah_29, Jane_20, JasperJr_27, Jeilious_20, Jifall16_41, Jolene_20, Jolie2_20, JonJames_54, Jonghyun_20, JorRay_20, JuJu_28, Juliette_26, JustASigh_20, Kabluna_45, KappaFarmDelta_29, Kareem_20, Kasen3_20, KidneyBean_42, Kinbote_24, Kratio_22, Kraw_26, Kurt_42, Larva_24, Lebo14_26, Lemuria_21, Leston_23, Liefie_20, LilDirt_22, LilHazelnut_24, Lollipop1437_47, LongHai_24, LouisV14_20, Lozinak_56, Luke_24, Luna22_24, Lysidious_28, MOOREtheMARYer_21, MacGully_53, Maco6_21, MakCheese_22, Malachai_28, MalagasyRose_26, Maliketh_20, Malthus_27, Manilisa_29, Marietta_44, Marmie_20, Maselop_46, Melba_27, Mellie_26, MerCougar_43, Mercurio_22, Meyran_27, MintFen_27, Miryou_23, Miskis_53, MissDaisy_26, MissRona_29, Mitti_26, Mollymur_37, Mowgli_20, Muddy_23, Mulch_24, Murp_28, Nadeem_24, NadineRae_42, NancyRae_24, NatB6_42, Neighly_24, Neoh_20, NoShow_20, Norvs_56, NosilaM_45, NovoPizza_23, NovumRegina_42, Nyceirae_29, OBUpride_24, Obliviate_27, OctaviousRex_20, OkiRoe_23, Olga_20, OmniCritical_26, Omnicron_24, OneUp_49, Outis_43, P3MA_20, PCoral7_28, Pace1224_20, Paito_20, Paola_23, Parada_24, Patio_45, Patt_26, Peeb_20, Pemberton_46, Periodt_20, Petra_29, PhinkBoden_55, Phish_20, Phishy_28, Phloodle_20, Phomeo_41, Phreak_20, PhrostedPhlake_29, Pimento_25, PinkYoshi_20, Pinnie_21, Pipp_27, Plagueis_20, Pleakley_51, Polyyuki_46, PrincePatrick_27, Psycho_24, Qhanda_27, Rabbs_20, Rando14_24, Rattrick_20, RedRaider_49, Rem711_27, Remy19_20, Renaissance_20, Reptar3000_26, Richarlison_20, Ruriko_20, Ruthiejr_25, Ruthy_21, Salvus_24, SamScheppers_24, Samba_27, Sapo_24, Schiebel_20, Schmidt_24, Scuba_51, ShaboiShabazz_20, Sizemore_20, Skysand_44, Slarp_26, Smoothie_57, Sneeze_20, SoSeph_23, SpeedDemon_380, Splinter_26, Sprinklemunch_20, StarStruck_43, Stargaze_20, Stellammi_20, Sukkupi_44, SuperSulley_43, Sweets_20, TClif_24, TPA4_22, TZGordon_28, Taheera_20, Taquito_24, Terror_20, Thyatira_23, TinaBug_20, TinaLin_29, Toast_28, TomBrady_20, Toniann_55, Towmatter_34, Tracker_42, Turuncu_46, Typha_26, Ubuntu_24, UmaThurman_27, Utz_27, Vendetta_26, ViviJ_22, Vordorf_28, Walrus_29, Waterfoul_23, Webster2_24, Weirdo19_21, Wendigo_20, WheatThin_24, Wheezy_42, WhoseManz_44, WilliamBoone_55, William_28, Wintermute_26, Wishmaker_24, Wisp_26, Wocket_29, Y10_26, Y2_26, YangYin_20, YasnayaPolyana_26, Yndexa_44, Yvonnetastic_52, Zarbodnamra_27, ZiggyZoo_27, Zilla_27, ZoMa_20, Zodiariah_20, Zombie_20,

Summary by start number:

Start 12:
• Found in 6 of 524 (1.1%) of genes in pham
• Manual Annotations of this start: 5 of 460
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_26 (Y), Bipper_26 (Y), Cracklewink_26 (Y), Faiyaz_26 (Y), Hilltopfarm_26 (Y), Typha_26 (Y),

Start 34:
• Found in 83 of 524 (15.8%) of genes in pham
• Manual Annotations of this start: 69 of 460
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AizenPogi_20 (G1), Angel_20 (G1), Annihilator_20 (G1), Antsirabe_20 (G5), Aroostook_20 (G1), Avocado_20 (G2), Avrafan_20 (G1), AzulaCat_20 (G1), BPs_20 (G1), BQuat_20 (G1), Barkley26_20 (G1), BruceB_20 (G1), CLED96_20 (G1), Cambiare_21 (G2), Camri_20 (G1), CassieYates_20 (G1), Cedasite_20 (G1), Chance64_20 (G1), Cherrybomb426_20 (G1), Cloudyecho_20 (G3), Coleslaw_20 (G1), Crespo_20 (G1), DMoney_20 (G1), DNAIII_0020 (G1), Darionha_20 (G1), DingDing_20 (G1), ECartman_20 (G1), FlagStaff_20 (G2), Frosty24_20 (G1), Gideon_20 (G1), GodSpeed_21 (G2), GoldenAsh_20 (G1), Gomashi_20 (G1), Grizzly_20 (G1), Halo_20 (G1), Hope_20 (G1), Hotshotbaby7_20 (G1), Jane_20 (G1), Jeilious_20 (G), Jolene_20 (G1), Jonghyun_20 (G1), JorRay_20 (G1), Kareem_20 (G1), Kasen3_20 (G1), Liefie_20 (G1), LouisV14_20 (G1), MOOREtheMARYer_21 (G3), Maliketh_20 (G1), Marmie_20 (G1), Mowgli_20 (G1), Neoh_20 (G), OctaviousRex_20 (G1), Olga_20 (G1), Pace1224_20 (G2), Paito_20 (G1), Peeb_20 (G1), Periodt_20 (G1), Phish_20 (G1), Phloodle_20 (G1), Phreak_20 (G1), PinkYoshi_20 (G1), Pinnie_21 (G3), Plagueis_20 (G1), Rabbs_20 (G1), Rattrick_20 (G1), Remy19_20 (G1), Renaissance_20 (G1), Richarlison_20 (G1), Ruriko_20 (G1), Schiebel_20 (G1), ShaboiShabazz_20 (G1), Sizemore_20 (G1), Sneeze_20 (G1), Stargaze_20 (G5), Sweets_20 (G1), Taheera_20 (G1), Terror_20 (G1), TinaBug_20 (G1), TomBrady_20 (G1), Wendigo_20 (G1), YangYin_20 (G5), ZoMa_20 (G1), Zombie_20 (G1),

Start 35:
• Found in 3 of 524 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 460
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jolie2_20 (G4), Lemuria_21 (G4), Mercurio_22 (G4),

Start 49:
• Found in 10 of 524 (1.9%) of genes in pham
• Manual Annotations of this start: 4 of 460
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 8UZL_23 (AB), FF47_23 (AB), Fury_51 (CR5), HomeFry_48 (CR5), LongHai_24 (AB), Maco6_21 (AB), Muddy_23 (AB), Pleakley_51 (CR5), Salvus_24 (AB), Scuba_51 (CR5),

Start 51:
• Found in 166 of 524 (31.7%) of genes in pham
• Manual Annotations of this start: 152 of 460
• Called 100.0% of time when present

• Phage (with cluster) where this start called: ActinUp_25 (K1), Adephagia_25 (K1), Adonis_25 (K1), Ageofdapage_25 (K1), AlishaPH_25 (K1), Amelie_21 (K1), Amgine_23 (K6), Amohnition_24 (K6), Anaya_26 (K1), Angelica_25 (K1), Anma_25 (K1), Apocalypse_25 (K1), Applecrisp_23 (K6), Asayake_25 (K1), Atiba_25 (K1), BEEST_25 (K1), BGlluviae_25 (K1), BaghaKamala_25 (K1), BarrelRoll_25 (K1), Beezoo_25 (K1), Bella96_25 (K1), Belladonna_25 (K1), Bern_25 (K1), Biglebops_21 (K1), Blizzard_25 (K1), Boiiii_25 (K1), BoostSeason_21 (K2), Bryler_24 (K6), CREW_25 (K1), Cain_24 (K6), CallaLilly_25 (K1), Capricorn_25 (K1), CaseJules_25 (K1), Chavito_25 (K1), CheetoDust_25 (K1), Chris_24 (K1), Clipper_25 (K1), CrimD_25 (K1), Curiosium_26 (K1), Dalmuri_25 (K1), DartGoblin_25 (K1), DarthP_24 (K6), Dartin_25 (K1), Deby_25 (K1), Devera_25 (K1), DismalFunk_21 (K2), DismalStressor_21 (K2), Dole_25 (K1), Doughnut_21 (K2), DrHayes_25 (K1), Durfee_25 (K1), Efra2_25 (K1), Ekdilam_22 (K6), Ellie_22 (K6), Emerson_25 (K1), Enkosi_21 (K1), Fefferhead_24 (K6), Findley_21 (K2), Ganymede_26 (K1), Geraldini_25 (K1), Guanica15_25 (K1), Hammy_24 (K6), HedwigODU_25 (K1), Homura_25 (K1), Hurricane_24 (K3), Hyperbowlee_25 (K1), Illumine_25 (K1), Inky_25 (K1), JAWS_25 (K1), Jarvi_25 (K1), Jayhawk_25 (K1), Jeckyll_25 (K1), Joy99_25 (K1), Keshu_24 (K3), KiSi_24 (K1), Krueger_24 (K6), LastHope_25 (K1), LaterM_25 (K1), Lavahound_23 (K6), LeMond_24 (K1), Lea83_24 (K3), LilPharaoh_21 (K1), LindNT_25 (K1), Llorens_25 (K1), Lunahalos_25 (K1), MacKat_25 (K1), MacnCheese_25 (K3), Marcoliusprime_21 (K2), MarkPhew_25 (K1), Marshawn_26 (K6), McMater_25 (K1), Mdavu_21 (K1), MeaningOfLife_25 (K1), Megsy_25 (K1), Milly_21 (K2), Mufasa_21 (K2), Murucutumbu_25 (K1), Mynx_25 (K1), Nergal_24 (AG), Nibb_24 (K1), Nikao_21 (K1), Niklas_25 (K1), November_23 (K6), Nutello_21 (K1), Oscar_24 (K1), Padfoot_25 (K1), Padpat_25 (K1), Peanam_25 (K1), Peel_25 (K1), Pharb_24 (K3), PhelpsODU_24 (K6), Phrank_24 (K6), Piatt_25 (K1), Pisa1_24 (K1), Pisa4_24 (K1), Pixie_24 (K3), Pokerus_24 (K1), Prithvi_25 (K1), QuincyRose_24 (K1), Ramen_25 (K1), Rapunzel97_25 (K1), Richo_25 (K1), Rosmarinus_25 (K1), SamuelLPlaqson_25 (K1), Scarlett_24 (K1), SgtBeansprout_21 (K1), Shadow1_23 (K6), Shaobing_25 (K1), ShedlockHolmes_24 (K3), ShiaSurprise_25 (K1), SirPhilip_24 (K6), Slimphazie_25 (K1), Spock_25 (K1), Stinson_25 (K1), Strobilo_21 (K2), Sulley_25 (K1), Sunflower1121_23 (K6), Syra333_24 (K6), TBond007_24 (K3), TM4_21 (K2), Tachez_25 (K1), TaiwanKao_26 (K1), Teejan_21 (K1), Tierra_24 (K6), Tigress9_25 (K6), TingHuaYa_25 (K1), TiniBug_25 (K1), Tiri_25 (K1), Topper_25 (K1), Torres_21 (K1), TreyKay_25 (K1), TribleTrouble_23 (K3), Trice_21 (K1), TruffulaTree_25 (K1), Twitch_25 (K1), Unicorn_24 (K6), Urkel_25 (K1), Validus_25 (K1), Veliki_25 (K1), Ximenita_25 (K6), YoureAdopted_24 (K1), Yuna_26 (K6), Yunkel11_25 (K1), Zabiza_25 (K1), Zavala_25 (K1), ZoeJ_21 (K2),

Start 52:
• Found in 1 of 524 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 460
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MalagasyRose_26 (AG),

Start 53:
• Found in 3 of 524 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 460
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JustASigh_20 (AH), TClif_24 (K6), Weirdo19_21 (AH),

Start 55:
• Found in 49 of 524 (9.4%) of genes in pham
• Manual Annotations of this start: 46 of 460
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archimedes_24 (DA), Archis_28 (CV), Azula_29 (CV), Barco_27 (CV), Begonia_28 (CV), BlingBling_27 (CV), Blino_28 (CV), Blueberry_29 (CV), CaptainKirk2_27 (CV), CarolAnn_28 (CV), CheeseSpider_31 (CV), Delian_28 (CV), Fairfaxidum_27 (CV), Fenry_26 (CV), Frizzle_24 (DA), Frokostdame_27 (CV), Gambino_29 (CV), Ghobes_25 (DA), Guacamole_27 (CV), Hitter_27 (CV), Jalammah_29 (CV), JasperJr_27 (CV), JuJu_28 (CV), KappaFarmDelta_29 (CV), Lysidious_28 (CV), Malachai_28 (CV), Melba_27 (CV), Mellie_26 (CV), MintFen_27 (CV), MissRona_29 (CV), Murp_28 (CV), Obliviate_27 (CV), PCoral7_28 (CV), Petra_29 (CV), PhrostedPhlake_29 (CV), Pipp_27 (CV), PrincePatrick_27 (CV), Samba_27 (CV), Sapo_24 (DA), Toast_28 (CV), UmaThurman_27 (CV), Utz_27 (CV), Walrus_29 (CV), William_28 (CV), Wisp_26 (CV), Wocket_29 (CV), Zarbodnamra_27 (CV), ZiggyZoo_27 (CV), Zilla_27 (CV),

Start 56:
• Found in 27 of 524 (5.2%) of genes in pham
• Manual Annotations of this start: 24 of 460
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bobquesha_27 (K4), Boilgate_22 (K8), Catfish_26 (CU5), Chancellor_26 (K4), Cheetobro_26 (K4), DanSyl44_27 (K4), Eponine_26 (K4), Fionnbharth_26 (K4), JF1_26 (K4), Juliette_26 (K4), Kraw_26 (K4), Lebo14_26 (K4), Malthus_27 (K4), MissDaisy_26 (K4), Mitti_26 (K4), OmniCritical_26 (K4), Patt_26 (K4), Qhanda_27 (K4), Reptar3000_26 (K4), Ruthiejr_25 (K4), SamScheppers_24 (K4), Slarp_26 (K4), Taquito_24 (K4), Wintermute_26 (K4), Y10_26 (K4), Y2_26 (K4), YasnayaPolyana_26 (K4),

Start 58:
• Found in 81 of 524 (15.5%) of genes in pham
• Manual Annotations of this start: 72 of 460
• Called 98.8% of time when present
• Phage (with cluster) where this start called: Agent47_23 (K5), AlleyCat_24 (K5), Aminay_23 (K7), Apiary_46 (CR6), Arti_42 (CR2), BananenDer11_23 (K5), Banquo_30 (CU1), Bonum_45 (CR2), Braxoaddie_46 (CR6), Buggaboo_43 (CR2), ChewyVIII_57 (singleton), CoffeeBean_46 (CR6), Collard_23 (K5), Commandaria_44 (CR2), Dadosky_24 (K5), Dalilpop_47 (CR1), Dardanus_28 (CU3), DinoDaryn_28 (CU1), DoubleChamp_23 (K5), Edugator_23 (K5), Emianna_42 (CR2), Ennea_48 (CR3), Feyre_23 (K5), Flapper_46 (CR1), Float294_44 (CR3), Foxboro_43 (CR2), GRU1_32 (CR1), GTE5_33 (CR1), GTE8_31 (CR2), Gengar_23 (K5), Goib_27 (CU1), GrootJr_44 (CR2), Gsput1_24 (CU2), Guillsminger_23 (K5), GuyFagieri_46 (CR6), Heftyboy_23 (K5), Huffy_28 (CU1), InvictusManeo_23 (K5), Jifall16_41 (CR2), Kabluna_45 (CR2), KidneyBean_42 (CR2), Kratio_22 (K5), Kurt_42 (CR2), Larva_24 (K5), Leston_23 (K5), LilDirt_22 (K5), Lollipop1437_47 (CR3), MacGully_53 (CR7), Maselop_46 (CR6), MerCougar_43 (CR2), Miryou_23 (K5), NatB6_42 (CR2), Neighly_24 (K3), NosilaM_45 (CR2), NovumRegina_42 (CR2), OkiRoe_23 (K5), Omnicron_24 (K5), Outis_43 (CR2), Paola_23 (K5), Patio_45 (CR3), Phomeo_41 (CR2), Polyyuki_46 (CR6), Psycho_24 (K5), Rando14_24 (K5), RedRaider_49 (CR3), Schmidt_24 (CU4), Skysand_44 (CR3), SoSeph_23 (K5), Splinter_26 (CU1), StarStruck_43 (CR2), SuperSulley_43 (CR2), TZGordon_28 (CU1), Thyatira_23 (K5), TinaLin_29 (CU1), Tracker_42 (CR2), Turuncu_46 (CR1), Vendetta_26 (CU1), ViviJ_22 (K5), Waterfoul_23 (K5), Wheezy_42 (CR2),

Start 59:
• Found in 4 of 524 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 460
• Called 50.0% of time when present
• Phage (with cluster) where this start called: P3MA_20 (singleton), TPA4_22 (singleton),

Start 61:
• Found in 39 of 524 (7.4%) of genes in pham
• Manual Annotations of this start: 25 of 460
• Called 69.2% of time when present
• Phage (with cluster) where this start called: Abscondus_54 (CQ1), Aphelion_55 (CQ1), Bachita_57 (CQ1), Bantam_36 (DL), BrutonGaster_44 (CQ2), Cardigan_54 (DD), ClubL_55 (CQ1), Cucurbita_57 (CQ1), Culver_55 (CQ1), Daredevil_35 (DL), DatBoi_37 (DL), Dusty_54 (CQ1), Engineer_57 (CQ1), Geeche_54 (CQ1), JonJames_54 (DD), Lozinak_56 (CQ1), Miskis_53 (CQ1), Mollymur_37 (DL), Norvs_56 (CQ1), OneUp_49 (CQ2), PhinkBoden_55 (CQ1), Smoothie_57 (CQ1), SpeedDemon_380 (DL), Toniann_55 (CQ1), Towmatter_34 (DL), WilliamBoone_55 (CQ1), Yvonnetastic_52 (DD),

Start 62:
• Found in 30 of 524 (5.7%) of genes in pham
• Manual Annotations of this start: 27 of 460
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArchiDore_21 (DW), Ayotoya_24 (DI), BetterKatz_24 (DI), BiPauneto_45 (CR4), Bock_24 (DI), Brylie_24 (DI), Chop_24 (DI), DelRio_25 (DI), DumpsterDude_21 (DW), Francois_24 (DI), GrandSlam_24 (DI), Hamood_24 (DI), HubbaBubba_40 (CR4), IDyn_43 (CR4), MakCheese_22 (DW), Marietta_44 (CR4), Mulch_24 (DI), Nadeem_24 (DI), NadineRae_42 (CR4), NancyRae_24 (DI), Parada_24 (DI), Pemberton_46 (CR4), Pimento_25 (DI), Ruthy_21 (DW), Sprinklemunch_20 (DW), Sukkupi_44 (CR4), WheatThin_24 (DI), WhoseManz_44 (CR4), Yndexa_44 (CR4), Zodiariah_20 (DW),

Start 63:
• Found in 3 of 524 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 460
• Called 66.7% of time when present
• Phage (with cluster) where this start called: JacoRen57_19 (AB), NoShow_20 (AB),

Start 66:
• Found in 10 of 524 (1.9%) of genes in pham
• Manual Annotations of this start: 5 of 460
• Called 90.0% of time when present
• Phage (with cluster) where this start called: BabyMoney_27 (DT), Dogfish_27 (DT), Ewald_28 (DT), Manilisa_29 (DT), Meyran_27 (DT), Nyceirae_29 (DT), Phishy_28 (DT), Stellammi_20 (UNK), Vordorf_28 (DT),

Start 67:
• Found in 26 of 524 (5.0%) of genes in pham
• Manual Annotations of this start: 23 of 460
• Called 100.0% of time when present

• Phage (with cluster) where this start called: 32HC_28 (Z), Amochick_24 (Q), Amymech_24 (Q), BloominB_24 (Q), Daegal_25 (Q), DeepSoil15_24 (Q), Dewey_24 (Q), Ein37_24 (Q), Evanesce_24 (Q), Forge_24 (Q), Gancho_23 (Q), Giles_24 (Q), Gravaillia_24 (Q), HH92_24 (Q), Hadrien_24 (Q), Hail_24 (Q), Kinbote_24 (Q), LilHazelnut_24 (Q), Luke_24 (Q), Luna22_24 (Q), NovoPizza_23 (Q), OBUpride_24 (Q), Rem711_27 (Z), Ubuntu_24 (Q), Webster2_24 (Q), Wishmaker_24 (Q),

Summary by clusters:

There are 43 clusters represented in this pham: DL, DI, DD, singleton, DA, K3, K2, K1, K7, K6, K5, K4, DW, DT, K8, UNK, G5, G4, G3, G2, G1, CQ2, CQ1, AB, AG, AH, CU5, Q, CU4, Y, CU3, Z, CV, CU2, CR2, CR3, CR1, CR6, CU1, CR4, CR5, CR7, G,

Info for manual annotations of cluster AB:
•Start number 49 was manually annotated 2 times for cluster AB.
•Start number 63 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster AG:
•Start number 51 was manually annotated 1 time for cluster AG.
•Start number 52 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AH:
•Start number 53 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster CQ1:
•Start number 61 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 61 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR1:
•Start number 58 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 58 was manually annotated 21 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 58 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:
•Start number 62 was manually annotated 8 times for cluster CR4.

Info for manual annotations of cluster CR5:
•Start number 49 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CR6:
•Start number 58 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:
•Start number 58 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CU1:
•Start number 58 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 58 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 58 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 56 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:
•Start number 55 was manually annotated 42 times for cluster CV.

Info for manual annotations of cluster DA:
•Start number 55 was manually annotated 4 times for cluster DA.

Info for manual annotations of cluster DD:
•Start number 61 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DI:
•Start number 62 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DL:
•Start number 61 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DT:
•Start number 66 was manually annotated 5 times for cluster DT.

Info for manual annotations of cluster DW:
•Start number 62 was manually annotated 4 times for cluster DW.

Info for manual annotations of cluster G1:
•Start number 34 was manually annotated 62 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 34 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:
•Start number 34 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 35 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 34 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster K1:
•Start number 51 was manually annotated 108 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 51 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 51 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 56 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 58 was manually annotated 23 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 51 was manually annotated 23 times for cluster K6.
•Start number 53 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster K7:
•Start number 58 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 56 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster Q:
•Start number 67 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster Y:
•Start number 12 was manually annotated 5 times for cluster Y.

Info for manual annotations of cluster Z:
•Start number 67 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_28 Start: 21299, Stop: 22384, Start Num: 67
Candidate Starts for 32HC_28:
(Start: 67 @21299 has 23 MA's), (97, 21362), (105, 21389), (113, 21413), (166, 21617), (179, 21662), (181, 21668), (253, 21926), (286, 22079), (289, 22085), (291, 22091), (323, 22238), (339, 22295), (356, 22355), (360, 22367), (363, 22376),

Gene: 8UZL_23 Start: 18295, Stop: 19395, Start Num: 49
Candidate Starts for 8UZL_23:
(Start: 49 @18295 has 4 MA's), (71, 18331), (81, 18358), (88, 18370), (110, 18427), (119, 18460), (120, 18466), (137, 18538), (152, 18586), (215, 18817), (258, 18994), (267, 19027), (269, 19036), (272, 19051), (281, 19087), (299, 19141), (328, 19267), (339, 19306), (356, 19366), (363, 19387),

Gene: Abscondus_54 Start: 34012, Stop: 35094, Start Num: 61
Candidate Starts for Abscondus_54:
(Start: 61 @34012 has 25 MA's), (78, 34051), (89, 34072), (131, 34219), (159, 34309), (165, 34339), (182, 34399), (202, 34468), (265, 34705), (270, 34723), (277, 34756), (289, 34798), (310, 34891), (322, 34936), (340, 35011), (341, 35014), (358, 35074), (359, 35077),

Gene: ActinUp_25 Start: 19483, Stop: 20565, Start Num: 51

Candidate Starts for ActinUp_25:
(Start: 51 @19483 has 152 MA's), (106, 19591), (112, 19609), (116, 19627), (166, 19822), (167, 19825), (188, 19894), (209, 19966), (232, 20068), (293, 20302), (308, 20362), (323, 20416), (348, 20509), (361, 20548),

Gene: Adephagia_25 Start: 19480, Stop: 20562, Start Num: 51
Candidate Starts for Adephagia_25:
(Start: 51 @19480 has 152 MA's), (106, 19588), (112, 19606), (116, 19624), (166, 19819), (167, 19822), (188, 19891), (209, 19963), (232, 20065), (293, 20299), (308, 20359), (323, 20413), (348, 20506), (361, 20545),

Gene: Adonis_25 Start: 19486, Stop: 20568, Start Num: 51
Candidate Starts for Adonis_25:
(Start: 51 @19486 has 152 MA's), (106, 19594), (112, 19612), (116, 19630), (166, 19825), (167, 19828), (188, 19897), (209, 19969), (232, 20071), (293, 20305), (308, 20365), (323, 20419), (348, 20512), (361, 20551),

Gene: Agent47_23 Start: 19870, Stop: 20955, Start Num: 58
Candidate Starts for Agent47_23:
(37, 19819), (Start: 58 @19870 has 72 MA's), (77, 19906), (85, 19921), (98, 19945), (110, 19984), (128, 20068), (160, 20179), (166, 20203), (167, 20206), (209, 20353), (232, 20458), (293, 20692), (300, 20710), (323, 20806), (328, 20833), (348, 20899), (356, 20923),

Gene: Ageofdapage_25 Start: 19416, Stop: 20498, Start Num: 51
Candidate Starts for Ageofdapage_25:
(Start: 51 @19416 has 152 MA's), (106, 19524), (112, 19542), (116, 19560), (166, 19755), (167, 19758), (188, 19827), (197, 19860), (209, 19899), (231, 19998), (232, 20001), (253, 20070), (275, 20169), (293, 20235), (295, 20241), (300, 20253), (301, 20265), (356, 20469), (361, 20484),

Gene: AizenPogi_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for AizenPogi_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: AlishaPH_25 Start: 19473, Stop: 20555, Start Num: 51
Candidate Starts for AlishaPH_25:
(Start: 51 @19473 has 152 MA's), (106, 19581), (112, 19599), (116, 19617), (166, 19812), (167, 19815), (188, 19884), (209, 19956), (224, 20031), (232, 20058), (293, 20292), (308, 20352), (323, 20406), (348, 20499), (361, 20538),

Gene: AlleyCat_24 Start: 19807, Stop: 20892, Start Num: 58
Candidate Starts for AlleyCat_24:
(37, 19756), (Start: 58 @19807 has 72 MA's), (77, 19843), (85, 19858), (98, 19882), (110, 19921), (128, 20005), (160, 20116), (166, 20140), (167, 20143), (209, 20290), (232, 20395), (275, 20563), (300, 20647), (301, 20659), (328, 20770), (348, 20836),

Gene: Amelie_21 Start: 19023, Stop: 20105, Start Num: 51
Candidate Starts for Amelie_21:
(Start: 51 @19023 has 152 MA's), (85, 19080), (106, 19131), (112, 19149), (116, 19167), (128, 19227), (130, 19233), (158, 19332), (166, 19362), (167, 19365), (181, 19413), (195, 19455), (197, 19467), (232, 19608), (236, 19620), (293, 19842), (314, 19917), (326, 19974), (336, 20004), (348, 20049),

(361, 20088),

Gene: Amgine_23 Start: 19572, Stop: 20654, Start Num: 51
Candidate Starts for Amgine_23:
(Start: 51 @19572 has 152 MA's), (77, 19614), (106, 19680), (110, 19692), (112, 19698), (130, 19782), (166, 19911), (167, 19914), (188, 19983), (229, 20148), (232, 20157), (240, 20184), (244, 20199), (293, 20391), (328, 20532), (356, 20622),

Gene: Aminay_23 Start: 19702, Stop: 20775, Start Num: 58
Candidate Starts for Aminay_23:
(Start: 58 @19702 has 72 MA's), (106, 19801), (110, 19813), (112, 19819), (120, 19852), (130, 19903), (158, 20002), (160, 20008), (167, 20035), (188, 20104), (232, 20278), (236, 20290), (253, 20347), (272, 20437), (275, 20446), (278, 20458), (281, 20473), (295, 20518), (323, 20626), (328, 20653), (339, 20683), (356, 20743), (361, 20758),

Gene: Amochick_24 Start: 19756, Stop: 20859, Start Num: 67
Candidate Starts for Amochick_24:
(15, 19486), (Start: 67 @19756 has 23 MA's), (110, 19861), (112, 19867), (113, 19870), (116, 19885), (117, 19888), (118, 19891), (119, 19894), (121, 19903), (144, 19987), (150, 20002), (160, 20053), (178, 20119), (181, 20128), (185, 20140), (188, 20149), (209, 20221), (221, 20284), (231, 20314), (232, 20317), (263, 20452), (266, 20467), (291, 20566), (294, 20575), (309, 20647), (326, 20731), (338, 20764), (339, 20770), (363, 20851),

Gene: Amohnition_24 Start: 19971, Stop: 21053, Start Num: 51
Candidate Starts for Amohnition_24:
(Start: 51 @19971 has 152 MA's), (94, 20043), (106, 20079), (112, 20097), (143, 20217), (157, 20277), (166, 20310), (167, 20313), (188, 20382), (197, 20415), (207, 20448), (231, 20553), (232, 20556), (293, 20790), (336, 20952), (356, 21021),

Gene: Amymech_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Amymech_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Anaya_26 Start: 19499, Stop: 20581, Start Num: 51
Candidate Starts for Anaya_26:
(37, 19457), (Start: 51 @19499 has 152 MA's), (106, 19607), (112, 19625), (116, 19643), (166, 19838), (167, 19841), (188, 19910), (197, 19943), (209, 19982), (232, 20084), (293, 20318), (308, 20378), (323, 20432), (348, 20525), (361, 20564),

Gene: Angel_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Angel_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Angelica_25 Start: 19448, Stop: 20530, Start Num: 51
Candidate Starts for Angelica_25:

(Start: 51 @19448 has 152 MA's), (106, 19556), (112, 19574), (116, 19592), (166, 19787), (167, 19790), (188, 19859), (209, 19931), (224, 20006), (232, 20033), (282, 20234), (293, 20267), (308, 20327), (323, 20381), (348, 20474), (361, 20513),

Gene: Anma_25 Start: 19428, Stop: 20510, Start Num: 51
Candidate Starts for Anma_25:
(Start: 51 @19428 has 152 MA's), (106, 19536), (112, 19554), (116, 19572), (166, 19767), (167, 19770), (188, 19839), (197, 19872), (209, 19911), (231, 20010), (232, 20013), (253, 20082), (275, 20181), (293, 20247), (295, 20253), (300, 20265), (301, 20277), (356, 20481), (361, 20496),

Gene: Annihilator_20 Start: 18852, Stop: 19988, Start Num: 34
Candidate Starts for Annihilator_20:
(16, 18648), (30, 18807), (Start: 34 @18852 has 69 MA's), (74, 18930), (75, 18933), (77, 18936), (83, 18948), (94, 18966), (105, 18999), (110, 19014), (127, 19095), (160, 19209), (162, 19221), (188, 19308), (192, 19329), (216, 19425), (237, 19503), (272, 19656), (300, 19749), (322, 19839), (336, 19893), (341, 19908), (342, 19911), (345, 19926), (359, 19971), (360, 19974),

Gene: Antsirabe_20 Start: 19236, Stop: 20375, Start Num: 34
Candidate Starts for Antsirabe_20:
(Start: 34 @19236 has 69 MA's), (74, 19317), (83, 19335), (105, 19386), (110, 19401), (127, 19482), (128, 19485), (160, 19596), (162, 19608), (188, 19695), (192, 19716), (197, 19737), (216, 19812), (231, 19872), (233, 19881), (243, 19923), (268, 20025), (275, 20052), (359, 20358), (361, 20364),

Gene: Aphelion_55 Start: 34281, Stop: 35363, Start Num: 61
Candidate Starts for Aphelion_55:
(Start: 61 @34281 has 25 MA's), (78, 34320), (89, 34341), (131, 34488), (159, 34578), (165, 34608), (182, 34668), (202, 34737), (265, 34974), (270, 34992), (277, 35025), (289, 35067), (310, 35160), (322, 35205), (340, 35280), (341, 35283), (358, 35343), (359, 35346),

Gene: Apiary_46 Start: 32958, Stop: 34064, Start Num: 58
Candidate Starts for Apiary_46:
(Start: 58 @32958 has 72 MA's), (111, 33057), (132, 33150), (133, 33153), (143, 33183), (166, 33288), (172, 33300), (184, 33351), (221, 33513), (224, 33525), (242, 33591), (270, 33699), (279, 33744), (281, 33750), (285, 33768), (289, 33777), (292, 33783), (316, 33879), (319, 33888), (323, 33903), (330, 33942),

Gene: Apocalypse_25 Start: 19451, Stop: 20533, Start Num: 51
Candidate Starts for Apocalypse_25:
(Start: 51 @19451 has 152 MA's), (106, 19559), (112, 19577), (116, 19595), (166, 19790), (167, 19793), (188, 19862), (209, 19934), (224, 20009), (232, 20036), (293, 20270), (308, 20330), (323, 20384), (348, 20477), (361, 20516),

Gene: Applecrisp_23 Start: 19986, Stop: 21068, Start Num: 51
Candidate Starts for Applecrisp_23:
(Start: 51 @19986 has 152 MA's), (77, 20028), (106, 20094), (110, 20106), (112, 20112), (130, 20196), (166, 20325), (167, 20328), (188, 20397), (229, 20562), (240, 20598), (244, 20613), (293, 20805), (328, 20946), (356, 21036),

Gene: ArchiDore_21 Start: 18396, Stop: 19496, Start Num: 62
Candidate Starts for ArchiDore_21:
(13, 18114), (25, 18222), (Start: 62 @18396 has 27 MA's), (116, 18528), (179, 18771), (181, 18777), (199, 18837), (231, 18954), (250, 19032), (275, 19140), (276, 19143), (296, 19215), (298, 19233), (323, 19350), (339, 19407), (363, 19488),

Gene: Archimedes_24 Start: 20193, Stop: 21275, Start Num: 55
Candidate Starts for Archimedes_24:
(Start: 55 @20193 has 46 MA's), (97, 20271), (102, 20286), (104, 20292), (145, 20433), (150, 20442), (170, 20529), (186, 20589), (221, 20739), (269, 20913), (315, 21096), (322, 21120), (327, 21150), (363, 21267),

Gene: Archis_28 Start: 22530, Stop: 23597, Start Num: 55
Candidate Starts for Archis_28:
(Start: 55 @22530 has 46 MA's), (73, 22560), (97, 22608), (102, 22623), (115, 22665), (116, 22668), (118, 22674), (139, 22752), (143, 22761), (145, 22770), (160, 22830), (170, 22866), (191, 22944), (195, 22962), (196, 22968), (205, 23001), (210, 23016), (240, 23142), (266, 23238), (281, 23304), (292, 23334), (361, 23580),

Gene: Aroostook_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Aroostook_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Arti_42 Start: 31466, Stop: 32593, Start Num: 58
Candidate Starts for Arti_42:
(Start: 58 @31466 has 72 MA's), (111, 31571), (156, 31745), (174, 31820), (193, 31898), (201, 31931), (218, 32012), (226, 32057), (232, 32078), (241, 32111), (257, 32171), (347, 32525), (358, 32558),

Gene: Asayake_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Asayake_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Atiba_25 Start: 19443, Stop: 20525, Start Num: 51
Candidate Starts for Atiba_25:
(Start: 51 @19443 has 152 MA's), (106, 19551), (112, 19569), (116, 19587), (166, 19782), (167, 19785), (188, 19854), (209, 19926), (232, 20028), (293, 20262), (308, 20322), (323, 20376), (348, 20469), (361, 20508),

Gene: AuntGwenStacy_26 Start: 21990, Stop: 23429, Start Num: 12
Candidate Starts for AuntGwenStacy_26:
(Start: 12 @21990 has 5 MA's), (14, 22011), (17, 22029), (18, 22032), (19, 22047), (24, 22077), (26, 22116), (28, 22143), (29, 22149), (57, 22287), (96, 22356), (107, 22389), (126, 22473), (127, 22479), (153, 22608), (154, 22614), (156, 22629), (166, 22677), (169, 22683), (171, 22686), (183, 22734), (197, 22773), (202, 22791), (212, 22824), (221, 22875), (230, 22908), (243, 22968), (247, 22980), (253, 22998), (275, 23097), (293, 23163), (323, 23277), (327, 23301), (328, 23304), (346, 23373), (360, 23415),

Gene: Avocado_20 Start: 19180, Stop: 20325, Start Num: 34
Candidate Starts for Avocado_20:
(Start: 34 @19180 has 69 MA's), (39, 19192), (74, 19267), (83, 19285), (98, 19312), (105, 19336), (110, 19351), (112, 19357), (127, 19432), (128, 19435), (162, 19558), (188, 19645), (192, 19666), (197, 19687), (216, 19762), (231, 19822), (233, 19831), (245, 19879), (249, 19891), (268, 19975), (272, 19993), (313, 20140), (342, 20248),

Gene: Avrafan_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Avrafan_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Ayotoya_24 Start: 20291, Stop: 21391, Start Num: 62
Candidate Starts for Ayotoya_24:
(Start: 62 @20291 has 27 MA's), (88, 20342), (116, 20423), (173, 20636), (181, 20672), (213, 20780), (237, 20867), (267, 21002), (276, 21038), (278, 21047), (286, 21083), (302, 21149), (311, 21194), (323, 21245), (328, 21272), (335, 21290), (358, 21368), (363, 21383),

Gene: Azula_29 Start: 22628, Stop: 23695, Start Num: 55
Candidate Starts for Azula_29:
(Start: 55 @22628 has 46 MA's), (73, 22658), (97, 22706), (102, 22721), (115, 22763), (116, 22766), (118, 22772), (143, 22859), (145, 22868), (160, 22928), (170, 22964), (175, 22985), (190, 23039), (195, 23060), (196, 23066), (205, 23099), (210, 23114), (240, 23240), (266, 23336), (279, 23396), (281, 23402), (292, 23432), (315, 23513), (361, 23678),

Gene: AzulaCat_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for AzulaCat_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: BEEST_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for BEEST_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: BGlluviae_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for BGlluviae_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: BPs_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for BPs_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: BQuat_20 Start: 18852, Stop: 19988, Start Num: 34
Candidate Starts for BQuat_20:
(16, 18648), (30, 18807), (Start: 34 @18852 has 69 MA's), (74, 18930), (75, 18933), (77, 18936), (83, 18948), (94, 18966), (105, 18999), (110, 19014), (127, 19095), (160, 19209), (162, 19221), (188, 19308), (192, 19329), (216, 19425), (237, 19503), (272, 19656), (300, 19749), (322, 19839), (336, 19893), (341, 19908), (342, 19911), (345, 19926), (359, 19971), (360, 19974),

Gene: BabyMoney_27 Start: 22309, Stop: 23373, Start Num: 66
Candidate Starts for BabyMoney_27:
(41, 22258), (Start: 66 @22309 has 5 MA's), (81, 22342), (92, 22360), (106, 22399), (107, 22402), (117, 22438), (119, 22444), (120, 22450), (197, 22738), (209, 22777), (227, 22864), (235, 22891), (242, 22912), (248, 22930), (265, 23005), (290, 23101), (293, 23104), (328, 23251), (339, 23281), (358, 23347), (364, 23365),

Gene: Bachita_57 Start: 34714, Stop: 35796, Start Num: 61
Candidate Starts for Bachita_57:
(Start: 61 @34714 has 25 MA's), (78, 34753), (89, 34774), (131, 34921), (159, 35011), (165, 35041), (182, 35101), (202, 35170), (265, 35407), (270, 35425), (277, 35458), (289, 35500), (310, 35593), (322, 35638), (340, 35713), (341, 35716), (358, 35776), (359, 35779),

Gene: BaghaKamala_25 Start: 19443, Stop: 20525, Start Num: 51
Candidate Starts for BaghaKamala_25:
(Start: 51 @19443 has 152 MA's), (106, 19551), (112, 19569), (116, 19587), (166, 19782), (167, 19785), (188, 19854), (209, 19926), (224, 20001), (232, 20028), (293, 20262), (308, 20322), (323, 20376), (348, 20469), (361, 20508),

Gene: BananenDer11_23 Start: 19831, Stop: 20916, Start Num: 58
Candidate Starts for BananenDer11_23:
(37, 19780), (Start: 58 @19831 has 72 MA's), (77, 19867), (85, 19882), (98, 19906), (110, 19945), (128, 20029), (160, 20140), (166, 20164), (167, 20167), (209, 20314), (232, 20419), (293, 20653), (300, 20671), (323, 20767), (328, 20794), (348, 20860), (356, 20884),

Gene: Banquo_30 Start: 20886, Stop: 22001, Start Num: 58
Candidate Starts for Banquo_30:
(Start: 58 @20886 has 72 MA's), (108, 20991), (131, 21090), (155, 21159), (157, 21177), (158, 21180), (180, 21270), (184, 21282), (230, 21477), (281, 21675), (288, 21699), (292, 21705), (310, 21780), (312, 21789), (321, 21825), (327, 21858), (345, 21924),

Gene: Bantam_36 Start: 31839, Stop: 32912, Start Num: 61
Candidate Starts for Bantam_36:
(Start: 61 @31839 has 25 MA's), (78, 31878), (110, 31950), (116, 31974), (131, 32043), (165, 32163), (182, 32223), (187, 32232), (189, 32235), (196, 32268), (219, 32361), (248, 32457), (326, 32775),

Gene: Barco_27 Start: 22319, Stop: 23386, Start Num: 55
Candidate Starts for Barco_27:
(Start: 55 @22319 has 46 MA's), (73, 22349), (97, 22397), (102, 22412), (115, 22454), (116, 22457), (118, 22463), (139, 22541), (143, 22550), (145, 22559), (160, 22619), (170, 22655), (191, 22733), (195, 22751), (196, 22757), (205, 22790), (210, 22805), (240, 22931), (266, 23027), (281, 23093), (292, 23123), (361, 23369),

Gene: Barkley26_20 Start: 18864, Stop: 20000, Start Num: 34
Candidate Starts for Barkley26_20:
(16, 18660), (30, 18819), (Start: 34 @18864 has 69 MA's), (74, 18942), (75, 18945), (77, 18948), (83, 18960), (94, 18978), (105, 19011), (110, 19026), (127, 19107), (160, 19221), (162, 19233), (188, 19320), (192, 19341), (216, 19437), (234, 19509), (237, 19515), (272, 19668), (301, 19773), (313, 19815), (322, 19851), (336, 19905), (341, 19920), (342, 19923), (359, 19983), (360, 19986),

Gene: BarrelRoll_25 Start: 19466, Stop: 20548, Start Num: 51
Candidate Starts for BarrelRoll_25:

(Start: 51 @19466 has 152 MA's), (106, 19574), (112, 19592), (116, 19610), (166, 19805), (167, 19808), (188, 19877), (209, 19949), (224, 20024), (232, 20051), (293, 20285), (308, 20345), (323, 20399), (348, 20492), (361, 20531),

Gene: Beezoo_25 Start: 19490, Stop: 20572, Start Num: 51
Candidate Starts for Beezoo_25:
(Start: 51 @19490 has 152 MA's), (106, 19598), (112, 19616), (116, 19634), (166, 19829), (167, 19832), (188, 19901), (209, 19973), (232, 20075), (293, 20309), (308, 20369), (323, 20423), (348, 20516), (361, 20555),

Gene: Begonia_28 Start: 22800, Stop: 23867, Start Num: 55
Candidate Starts for Begonia_28:
(Start: 55 @22800 has 46 MA's), (73, 22830), (97, 22878), (102, 22893), (115, 22935), (116, 22938), (118, 22944), (139, 23022), (143, 23031), (145, 23040), (160, 23100), (190, 23211), (195, 23232), (196, 23238), (205, 23271), (210, 23286), (240, 23412), (252, 23448), (266, 23508), (279, 23568), (281, 23574), (292, 23604), (315, 23685), (361, 23850),

Gene: Bella96_25 Start: 19410, Stop: 20492, Start Num: 51
Candidate Starts for Bella96_25:
(Start: 51 @19410 has 152 MA's), (106, 19518), (112, 19536), (116, 19554), (166, 19749), (167, 19752), (188, 19821), (197, 19854), (209, 19893), (231, 19992), (232, 19995), (253, 20064), (275, 20163), (293, 20229), (295, 20235), (300, 20247), (301, 20259), (356, 20463), (361, 20478),

Gene: Belladonna_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Belladonna_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Bern_25 Start: 19438, Stop: 20520, Start Num: 51
Candidate Starts for Bern_25:
(Start: 51 @19438 has 152 MA's), (106, 19546), (112, 19564), (116, 19582), (166, 19777), (167, 19780), (188, 19849), (232, 20023), (293, 20257), (301, 20287), (308, 20317), (348, 20464),

Gene: BetterKatz_24 Start: 19764, Stop: 20864, Start Num: 62
Candidate Starts for BetterKatz_24:
(Start: 62 @19764 has 27 MA's), (88, 19815), (110, 19872), (116, 19896), (173, 20109), (181, 20145), (213, 20253), (267, 20475), (276, 20511), (278, 20520), (286, 20556), (302, 20622), (311, 20667), (323, 20718), (328, 20745), (335, 20763), (358, 20841), (363, 20856),

Gene: BiPauneto_45 Start: 31223, Stop: 32338, Start Num: 62
Candidate Starts for BiPauneto_45:
(Start: 62 @31223 has 27 MA's), (80, 31265), (95, 31289), (111, 31325), (123, 31373), (133, 31421), (174, 31574), (221, 31781), (223, 31787), (230, 31817), (253, 31892), (270, 31967), (277, 32000), (284, 32033), (289, 32045), (328, 32201), (343, 32255), (347, 32270), (356, 32297),

Gene: Biglebops_21 Start: 19023, Stop: 20105, Start Num: 51
Candidate Starts for Biglebops_21:
(Start: 51 @19023 has 152 MA's), (85, 19080), (106, 19131), (112, 19149), (116, 19167), (128, 19227), (130, 19233), (158, 19332), (166, 19362), (167, 19365), (181, 19413), (195, 19455), (197, 19467), (232, 19608), (236, 19620), (293, 19842), (314, 19917), (326, 19974), (336, 20004), (348, 20049), (361, 20088),

Gene: Bipper_26 Start: 22137, Stop: 23567, Start Num: 12
Candidate Starts for Bipper_26:
(8, 22071), (Start: 12 @22137 has 5 MA's), (16, 22164), (17, 22173), (18, 22176), (20, 22194), (23, 22218), (24, 22221), (28, 22287), (48, 22416), (57, 22431), (Start: 59 @22434 has 1 MA's), (76, 22467), (78, 22470), (99, 22506), (109, 22533), (117, 22563), (118, 22566), (123, 22587), (124, 22596), (126, 22611), (127, 22617), (129, 22626), (141, 22665), (144, 22674), (146, 22680), (154, 22752), (166, 22815), (169, 22821), (171, 22824), (183, 22872), (194, 22899), (197, 22911), (202, 22929), (212, 22962), (221, 23013), (223, 23019), (230, 23046), (243, 23106), (275, 23235), (293, 23301), (302, 23334), (323, 23415), (346, 23511), (360, 23553),

Gene: BlingBling_27 Start: 22319, Stop: 23386, Start Num: 55
Candidate Starts for BlingBling_27:
(Start: 55 @22319 has 46 MA's), (73, 22349), (97, 22397), (102, 22412), (115, 22454), (116, 22457), (118, 22463), (139, 22541), (143, 22550), (145, 22559), (160, 22619), (170, 22655), (191, 22733), (195, 22751), (196, 22757), (205, 22790), (210, 22805), (240, 22931), (266, 23027), (281, 23093), (292, 23123), (361, 23369),

Gene: Blino_28 Start: 22410, Stop: 23477, Start Num: 55
Candidate Starts for Blino_28:
(Start: 55 @22410 has 46 MA's), (73, 22440), (97, 22488), (102, 22503), (115, 22545), (143, 22641), (145, 22650), (160, 22710), (170, 22746), (175, 22767), (190, 22821), (195, 22842), (196, 22848), (205, 22881), (210, 22896), (240, 23022), (266, 23118), (279, 23178), (281, 23184), (292, 23214), (361, 23460),

Gene: Blizzard_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Blizzard_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: BloominB_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for BloominB_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Blueberry_29 Start: 22628, Stop: 23695, Start Num: 55
Candidate Starts for Blueberry_29:
(Start: 55 @22628 has 46 MA's), (73, 22658), (97, 22706), (102, 22721), (115, 22763), (116, 22766), (118, 22772), (143, 22859), (145, 22868), (160, 22928), (170, 22964), (175, 22985), (190, 23039), (195, 23060), (196, 23066), (205, 23099), (210, 23114), (240, 23240), (266, 23336), (279, 23396), (281, 23402), (292, 23432), (315, 23513), (361, 23678),

Gene: Bobquesha_27 Start: 20670, Stop: 21767, Start Num: 56
Candidate Starts for Bobquesha_27:
(18, 20421), (22, 20448), (36, 20619), (Start: 56 @20670 has 24 MA's), (68, 20682), (112, 20790), (120, 20823), (148, 20925), (158, 20973), (160, 20979), (188, 21075), (197, 21108), (203, 21129), (225, 21225), (232, 21249), (244, 21291), (253, 21318), (300, 21501), (326, 21615), (328, 21624), (361, 21729),

Gene: Bock_24 Start: 19514, Stop: 20614, Start Num: 62

Candidate Starts for Bock_24:
(Start: 62 @19514 has 27 MA's), (88, 19565), (116, 19646), (173, 19859), (181, 19895), (213, 20003), (237, 20090), (267, 20225), (276, 20261), (278, 20270), (286, 20306), (298, 20351), (302, 20372), (311, 20417), (323, 20468), (328, 20495), (335, 20513), (358, 20591), (363, 20606),

Gene: Boiiii_25 Start: 19516, Stop: 20598, Start Num: 51
Candidate Starts for Boiiii_25:
(Start: 51 @19516 has 152 MA's), (106, 19624), (112, 19642), (116, 19660), (166, 19855), (167, 19858), (188, 19927), (209, 19999), (224, 20074), (232, 20101), (293, 20335), (308, 20395), (323, 20449), (348, 20542), (361, 20581),

Gene: Boilgate_22 Start: 19853, Stop: 20956, Start Num: 56
Candidate Starts for Boilgate_22:
(Start: 56 @19853 has 24 MA's), (110, 19967), (112, 19973), (130, 20057), (138, 20081), (160, 20162), (167, 20189), (188, 20258), (197, 20291), (198, 20294), (224, 20405), (230, 20426), (253, 20501), (258, 20534), (275, 20600), (281, 20627), (293, 20666), (326, 20798), (327, 20804), (328, 20807), (360, 20909),

Gene: Bonum_45 Start: 31797, Stop: 32906, Start Num: 58
Candidate Starts for Bonum_45:
(Start: 58 @31797 has 72 MA's), (95, 31857), (132, 31986), (156, 32067), (170, 32133), (174, 32142), (203, 32259), (223, 32355), (224, 32361), (230, 32385), (244, 32433), (256, 32481), (265, 32517), (281, 32586), (284, 32601), (301, 32652), (323, 32742), (338, 32802),

Gene: BoostSeason_21 Start: 17365, Stop: 18444, Start Num: 51
Candidate Starts for BoostSeason_21:
(27, 17224), (Start: 51 @17365 has 152 MA's), (98, 17440), (106, 17467), (112, 17485), (120, 17518), (167, 17701), (188, 17770), (197, 17803), (232, 17944), (240, 17971), (253, 18013), (258, 18046), (293, 18178), (314, 18253), (323, 18292), (328, 18319),

Gene: Braxoaddie_46 Start: 32947, Stop: 34053, Start Num: 58
Candidate Starts for Braxoaddie_46:
(Start: 58 @32947 has 72 MA's), (111, 33046), (132, 33139), (133, 33142), (143, 33172), (166, 33277), (172, 33289), (184, 33340), (221, 33502), (224, 33514), (242, 33580), (270, 33688), (279, 33733), (281, 33739), (285, 33757), (289, 33766), (292, 33772), (316, 33868), (319, 33877), (323, 33892), (330, 33931),

Gene: BruceB_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for BruceB_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: BrutonGaster_44 Start: 31359, Stop: 32438, Start Num: 61
Candidate Starts for BrutonGaster_44:
(Start: 61 @31359 has 25 MA's), (116, 31494), (131, 31563), (159, 31653), (164, 31680), (281, 32118), (289, 32142),

Gene: Bryler_24 Start: 18649, Stop: 19752, Start Num: 51
Candidate Starts for Bryler_24:
(Start: 51 @18649 has 152 MA's), (64, 18664), (94, 18721), (106, 18757), (112, 18775), (158, 18958), (166, 18988), (188, 19060), (232, 19234), (240, 19282), (244, 19297), (253, 19324), (293, 19489),

(348, 19696), (356, 19720), (361, 19735),

Gene: Brylie_24 Start: 19505, Stop: 20605, Start Num: 62
Candidate Starts for Brylie_24:
(Start: 62 @19505 has 27 MA's), (88, 19556), (116, 19637), (173, 19850), (181, 19886), (213, 19994), (237, 20081), (267, 20216), (276, 20252), (278, 20261), (286, 20297), (302, 20363), (311, 20408), (323, 20459), (328, 20486), (335, 20504), (358, 20582), (363, 20597),

Gene: Buggaboo_43 Start: 32276, Stop: 33385, Start Num: 58
Candidate Starts for Buggaboo_43:
(Start: 58 @32276 has 72 MA's), (95, 32336), (132, 32465), (133, 32468), (156, 32546), (170, 32612), (174, 32621), (223, 32834), (224, 32840), (230, 32864), (244, 32912), (256, 32960), (281, 33065), (284, 33080), (301, 33131), (323, 33221), (338, 33281),

Gene: CLED96_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for CLED96_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: CREW_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for CREW_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Cain_24 Start: 18637, Stop: 19740, Start Num: 51
Candidate Starts for Cain_24:
(Start: 51 @18637 has 152 MA's), (64, 18652), (94, 18709), (106, 18745), (112, 18763), (158, 18946), (166, 18976), (188, 19048), (232, 19222), (240, 19270), (244, 19285), (253, 19312), (293, 19477), (348, 19684), (356, 19708), (361, 19723),

Gene: CallaLilly_25 Start: 19437, Stop: 20519, Start Num: 51
Candidate Starts for CallaLilly_25:
(Start: 51 @19437 has 152 MA's), (106, 19545), (112, 19563), (116, 19581), (166, 19776), (167, 19779), (188, 19848), (209, 19920), (224, 19995), (232, 20022), (293, 20256), (308, 20316), (323, 20370), (348, 20463), (361, 20502),

Gene: Cambiare_21 Start: 19645, Stop: 20790, Start Num: 34
Candidate Starts for Cambiare_21:
(Start: 34 @19645 has 69 MA's), (39, 19657), (74, 19732), (83, 19750), (98, 19777), (105, 19801), (110, 19816), (112, 19822), (127, 19897), (128, 19900), (162, 20023), (188, 20110), (192, 20131), (197, 20152), (216, 20227), (231, 20287), (233, 20296), (245, 20344), (249, 20356), (268, 20440), (272, 20458), (313, 20605), (342, 20713),

Gene: Camri_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Camri_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Capricorn_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Capricorn_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: CaptainKirk2_27 Start: 22340, Stop: 23407, Start Num: 55
Candidate Starts for CaptainKirk2_27:
(Start: 55 @22340 has 46 MA's), (73, 22370), (97, 22418), (102, 22433), (115, 22475), (116, 22478), (118, 22484), (139, 22562), (143, 22571), (145, 22580), (160, 22640), (170, 22676), (191, 22754), (195, 22772), (196, 22778), (205, 22811), (210, 22826), (240, 22952), (266, 23048), (281, 23114), (292, 23144), (361, 23390),

Gene: Cardigan_54 Start: 37401, Stop: 38477, Start Num: 61
Candidate Starts for Cardigan_54:
(Start: 61 @37401 has 25 MA's), (102, 37491), (116, 37539), (131, 37608), (174, 37749), (189, 37800), (196, 37833), (202, 37857), (255, 38058), (281, 38163), (293, 38199), (314, 38289), (345, 38418), (356, 38454),

Gene: CarolAnn_28 Start: 22409, Stop: 23476, Start Num: 55
Candidate Starts for CarolAnn_28:
(Start: 55 @22409 has 46 MA's), (73, 22439), (97, 22487), (102, 22502), (115, 22544), (143, 22640), (145, 22649), (160, 22709), (170, 22745), (175, 22766), (190, 22820), (195, 22841), (196, 22847), (205, 22880), (210, 22895), (240, 23021), (266, 23117), (279, 23177), (281, 23183), (292, 23213), (361, 23459),

Gene: CaseJules_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for CaseJules_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: CassieYates_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for CassieYates_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Catfish_26 Start: 21557, Stop: 22666, Start Num: 56
Candidate Starts for Catfish_26:
(Start: 56 @21557 has 24 MA's), (Start: 58 @21560 has 72 MA's), (74, 21593), (86, 21617), (108, 21668), (124, 21734), (134, 21776), (158, 21857), (177, 21938), (180, 21947), (205, 22034), (207, 22040), (230, 22154), (233, 22163), (238, 22178), (248, 22208), (268, 22289), (281, 22346), (288, 22370), (326, 22514), (345, 22586), (347, 22595), (349, 22601), (353, 22613), (355, 22619), (362, 22643),

Gene: Cedasite_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Cedasite_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Chance64_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Chance64_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Chancellor_26 Start: 20936, Stop: 22033, Start Num: 56
Candidate Starts for Chancellor_26:
(18, 20687), (22, 20714), (36, 20885), (Start: 56 @20936 has 24 MA's), (68, 20948), (112, 21056), (120, 21089), (160, 21245), (167, 21272), (188, 21341), (197, 21374), (209, 21413), (225, 21491), (232, 21515), (244, 21557), (253, 21584), (300, 21767), (326, 21881), (328, 21890), (361, 21995),

Gene: Chavito_25 Start: 18852, Stop: 19934, Start Num: 51
Candidate Starts for Chavito_25:
(Start: 51 @18852 has 152 MA's), (77, 18894), (106, 18960), (112, 18978), (127, 19053), (158, 19161), (166, 19191), (167, 19194), (195, 19284), (197, 19296), (232, 19437), (236, 19449), (276, 19608), (293, 19671), (314, 19746), (348, 19878), (361, 19917),

Gene: CheeseSpider_31 Start: 22876, Stop: 23943, Start Num: 55
Candidate Starts for CheeseSpider_31:
(Start: 55 @22876 has 46 MA's), (97, 22954), (116, 23014), (118, 23020), (145, 23116), (160, 23176), (170, 23212), (175, 23233), (190, 23287), (195, 23308), (196, 23314), (203, 23341), (210, 23362), (240, 23488), (259, 23560), (281, 23650), (292, 23680), (327, 23815), (332, 23836), (361, 23926),

Gene: CheetoDust_25 Start: 19491, Stop: 20573, Start Num: 51
Candidate Starts for CheetoDust_25:
(Start: 51 @19491 has 152 MA's), (106, 19599), (112, 19617), (116, 19635), (166, 19830), (167, 19833), (188, 19902), (209, 19974), (232, 20076), (293, 20310), (308, 20370), (323, 20424), (348, 20517), (361, 20556),

Gene: Cheetobro_26 Start: 20933, Stop: 22030, Start Num: 56
Candidate Starts for Cheetobro_26:
(18, 20684), (22, 20711), (36, 20882), (Start: 56 @20933 has 24 MA's), (68, 20945), (112, 21053), (120, 21086), (160, 21242), (167, 21269), (188, 21338), (197, 21371), (209, 21410), (225, 21488), (232, 21512), (244, 21554), (253, 21581), (300, 21764), (326, 21878), (328, 21887), (361, 21992),

Gene: Cherrybomb426_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Cherrybomb426_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: ChewyVIII_57 Start: 39792, Stop: 40907, Start Num: 58
Candidate Starts for ChewyVIII_57:
(33, 39729), (Start: 58 @39792 has 72 MA's), (72, 39816), (108, 39891), (111, 39900), (116, 39921), (128, 39981), (172, 40140), (174, 40146), (240, 40422), (282, 40596), (285, 40608), (297, 40644), (316, 40719), (323, 40743), (338, 40803),

Gene: Chop_24 Start: 20039, Stop: 21139, Start Num: 62
Candidate Starts for Chop_24:

(Start: 62 @20039 has 27 MA's), (88, 20090), (116, 20171), (173, 20384), (181, 20420), (213, 20528), (237, 20615), (267, 20750), (276, 20786), (278, 20795), (286, 20831), (302, 20897), (311, 20942), (323, 20993), (328, 21020), (335, 21038), (358, 21116), (363, 21131),

Gene: Chris_24 Start: 18745, Stop: 19827, Start Num: 51
Candidate Starts for Chris_24:
(Start: 51 @18745 has 152 MA's), (85, 18802), (106, 18853), (112, 18871), (120, 18904), (166, 19084), (167, 19087), (188, 19156), (197, 19189), (209, 19228), (238, 19351), (240, 19357), (275, 19498), (293, 19564), (322, 19672), (323, 19678), (328, 19705), (361, 19810),

Gene: Clipper_25 Start: 19491, Stop: 20573, Start Num: 51
Candidate Starts for Clipper_25:
(Start: 51 @19491 has 152 MA's), (106, 19599), (112, 19617), (116, 19635), (166, 19830), (167, 19833), (188, 19902), (209, 19974), (232, 20076), (293, 20310), (308, 20370), (323, 20424), (348, 20517), (361, 20556),

Gene: Cloudyecho_20 Start: 19088, Stop: 20233, Start Num: 34
Candidate Starts for Cloudyecho_20:
(Start: 34 @19088 has 69 MA's), (40, 19103), (74, 19175), (83, 19193), (105, 19244), (110, 19259), (127, 19340), (162, 19466), (188, 19553), (192, 19574), (197, 19595), (216, 19670), (231, 19730), (233, 19739), (243, 19781), (268, 19883), (275, 19910), (326, 20108), (336, 20138),

Gene: ClubL_55 Start: 34203, Stop: 35285, Start Num: 61
Candidate Starts for ClubL_55:
(Start: 61 @34203 has 25 MA's), (78, 34242), (89, 34263), (131, 34410), (159, 34500), (165, 34530), (182, 34590), (202, 34659), (265, 34896), (270, 34914), (277, 34947), (289, 34989), (310, 35082), (322, 35127), (340, 35202), (341, 35205), (358, 35265), (359, 35268),

Gene: CoffeeBean_46 Start: 32905, Stop: 34011, Start Num: 58
Candidate Starts for CoffeeBean_46:
(Start: 58 @32905 has 72 MA's), (111, 33004), (132, 33097), (133, 33100), (143, 33130), (166, 33235), (172, 33247), (184, 33298), (221, 33460), (224, 33472), (242, 33538), (270, 33646), (279, 33691), (281, 33697), (285, 33715), (289, 33724), (292, 33730), (316, 33826), (319, 33835), (323, 33850), (330, 33889),

Gene: Coleslaw_20 Start: 18852, Stop: 19988, Start Num: 34
Candidate Starts for Coleslaw_20:
(16, 18648), (30, 18807), (Start: 34 @18852 has 69 MA's), (74, 18930), (75, 18933), (77, 18936), (83, 18948), (94, 18966), (105, 18999), (110, 19014), (127, 19095), (160, 19209), (162, 19221), (188, 19308), (192, 19329), (216, 19425), (237, 19503), (272, 19656), (300, 19749), (322, 19839), (336, 19893), (341, 19908), (342, 19911), (345, 19926), (359, 19971), (360, 19974),

Gene: Collard_23 Start: 19831, Stop: 20916, Start Num: 58
Candidate Starts for Collard_23:
(37, 19780), (Start: 58 @19831 has 72 MA's), (77, 19867), (85, 19882), (98, 19906), (110, 19945), (128, 20029), (160, 20140), (166, 20164), (167, 20167), (209, 20314), (232, 20419), (293, 20653), (300, 20671), (323, 20767), (328, 20794), (348, 20860), (356, 20884),

Gene: Commandaria_44 Start: 32797, Stop: 33921, Start Num: 58
Candidate Starts for Commandaria_44:
(Start: 58 @32797 has 72 MA's), (95, 32863), (111, 32899), (155, 33070), (156, 33073), (174, 33148), (192, 33223), (218, 33340), (241, 33439), (243, 33445), (255, 33493), (277, 33583), (289, 33628), (347, 33853), (358, 33886),

Gene: Cracklewink_26 Start: 22137, Stop: 23567, Start Num: 12
Candidate Starts for Cracklewink_26:
(8, 22071), (Start: 12 @22137 has 5 MA's), (16, 22164), (17, 22173), (18, 22176), (20, 22194), (23, 22218), (24, 22221), (28, 22287), (48, 22416), (57, 22431), (Start: 59 @22434 has 1 MA's), (76, 22467), (78, 22470), (99, 22506), (109, 22533), (117, 22563), (118, 22566), (123, 22587), (124, 22596), (126, 22611), (127, 22617), (129, 22626), (141, 22665), (144, 22674), (146, 22680), (154, 22752), (166, 22815), (169, 22821), (171, 22824), (183, 22872), (194, 22899), (197, 22911), (202, 22929), (212, 22962), (221, 23013), (223, 23019), (230, 23046), (243, 23106), (275, 23235), (293, 23301), (302, 23334), (323, 23415), (346, 23511), (360, 23553),

Gene: Crespo_20 Start: 18862, Stop: 19998, Start Num: 34
Candidate Starts for Crespo_20:
(16, 18658), (30, 18817), (Start: 34 @18862 has 69 MA's), (74, 18940), (75, 18943), (77, 18946), (83, 18958), (94, 18976), (105, 19009), (110, 19024), (127, 19105), (160, 19219), (162, 19231), (188, 19318), (192, 19339), (216, 19435), (237, 19513), (272, 19666), (300, 19759), (322, 19849), (336, 19903), (341, 19918), (342, 19921), (345, 19936), (359, 19981), (360, 19984),

Gene: CrimD_25 Start: 19452, Stop: 20534, Start Num: 51
Candidate Starts for CrimD_25:
(Start: 51 @19452 has 152 MA's), (106, 19560), (112, 19578), (116, 19596), (166, 19791), (167, 19794), (188, 19863), (209, 19935), (232, 20037), (293, 20271), (308, 20331), (323, 20385), (348, 20478), (361, 20517),

Gene: Cucurbita_57 Start: 35573, Stop: 36655, Start Num: 61
Candidate Starts for Cucurbita_57:
(Start: 61 @35573 has 25 MA's), (78, 35612), (89, 35633), (131, 35780), (159, 35870), (165, 35900), (182, 35960), (202, 36029), (265, 36266), (270, 36284), (277, 36317), (289, 36359), (310, 36452), (322, 36497), (340, 36572), (341, 36575), (358, 36635), (359, 36638),

Gene: Culver_55 Start: 34012, Stop: 35187, Start Num: 61
Candidate Starts for Culver_55:
(Start: 61 @34012 has 25 MA's), (111, 34129), (131, 34219), (144, 34252), (159, 34309), (164, 34336), (165, 34339), (203, 34471), (237, 34603), (248, 34636), (258, 34681), (289, 34798), (302, 34852), (310, 34891), (322, 34936), (339, 35008), (369, 35176),

Gene: Curiosium_26 Start: 19185, Stop: 20267, Start Num: 51
Candidate Starts for Curiosium_26:
(Start: 51 @19185 has 152 MA's), (106, 19293), (112, 19311), (166, 19524), (167, 19527), (188, 19596), (209, 19668), (232, 19770), (293, 20004), (308, 20064), (323, 20118), (361, 20250),

Gene: DMoney_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for DMoney_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: DNAIII_0020 Start: 18870, Stop: 20006, Start Num: 34
Candidate Starts for DNAIII_0020:
(16, 18666), (30, 18825), (Start: 34 @18870 has 69 MA's), (74, 18948), (75, 18951), (77, 18954), (83, 18966), (94, 18984), (105, 19017), (110, 19032), (127, 19113), (160, 19227), (162, 19239), (188, 19326), (192, 19347), (216, 19443), (237, 19521), (272, 19674), (300, 19767), (322, 19857), (336,

19911), (341, 19926), (342, 19929), (345, 19944), (359, 19989), (360, 19992),

Gene: Dadosky_24 Start: 19808, Stop: 20893, Start Num: 58
Candidate Starts for Dadosky_24:
(37, 19757), (Start: 58 @19808 has 72 MA's), (77, 19844), (85, 19859), (98, 19883), (110, 19922), (128, 20006), (160, 20117), (166, 20141), (167, 20144), (209, 20291), (232, 20396), (275, 20564), (300, 20648), (301, 20660), (328, 20771), (348, 20837),

Gene: Daegal_25 Start: 20044, Stop: 21147, Start Num: 67
Candidate Starts for Daegal_25:
(15, 19774), (Start: 67 @20044 has 23 MA's), (110, 20149), (112, 20155), (113, 20158), (116, 20173), (117, 20176), (118, 20179), (119, 20182), (121, 20191), (144, 20275), (150, 20290), (160, 20341), (178, 20407), (181, 20416), (185, 20428), (188, 20437), (209, 20509), (221, 20572), (231, 20602), (232, 20605), (263, 20740), (266, 20755), (291, 20854), (294, 20863), (309, 20935), (326, 21019), (338, 21052), (339, 21058), (363, 21139),

Gene: Dalilpop_47 Start: 33773, Stop: 34882, Start Num: 58
Candidate Starts for Dalilpop_47:
(Start: 58 @33773 has 72 MA's), (79, 33806), (93, 33830), (95, 33833), (223, 34331), (230, 34361), (328, 34745), (338, 34778),

Gene: Dalmuri_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Dalmuri_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: DanSyl44_27 Start: 20939, Stop: 22036, Start Num: 56
Candidate Starts for DanSyl44_27:
(18, 20690), (22, 20717), (36, 20888), (Start: 56 @20939 has 24 MA's), (68, 20951), (112, 21059), (120, 21092), (130, 21143), (160, 21248), (167, 21275), (188, 21344), (197, 21377), (209, 21416), (225, 21494), (232, 21518), (244, 21560), (253, 21587), (300, 21770), (326, 21884), (328, 21893), (361, 21998),

Gene: Dardanus_28 Start: 19721, Stop: 20836, Start Num: 58
Candidate Starts for Dardanus_28:
(Start: 58 @19721 has 72 MA's), (131, 19928), (142, 19955), (157, 20015), (158, 20018), (168, 20063), (175, 20087), (177, 20099), (184, 20120), (205, 20195), (218, 20264), (230, 20315), (233, 20324), (260, 20429), (268, 20456), (270, 20462), (293, 20549), (303, 20591), (304, 20597), (322, 20660), (326, 20684), (328, 20693), (329, 20696), (345, 20756), (347, 20765),

Gene: Daredevil_35 Start: 30347, Stop: 31420, Start Num: 61
Candidate Starts for Daredevil_35:
(Start: 61 @30347 has 25 MA's), (101, 30434), (116, 30482), (189, 30743), (206, 30812), (277, 31085), (279, 31097), (342, 31340),

Gene: Darionha_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Darionha_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: DartGoblin_25 Start: 19407, Stop: 20489, Start Num: 51
Candidate Starts for DartGoblin_25:
(Start: 51 @19407 has 152 MA's), (106, 19515), (112, 19533), (116, 19551), (166, 19746), (167, 19749), (188, 19818), (197, 19851), (209, 19890), (231, 19989), (232, 19992), (253, 20061), (275, 20160), (293, 20226), (295, 20232), (300, 20244), (301, 20256), (356, 20460), (361, 20475),

Gene: DarthP_24 Start: 19917, Stop: 20999, Start Num: 51
Candidate Starts for DarthP_24:
(Start: 51 @19917 has 152 MA's), (94, 19989), (106, 20025), (110, 20037), (112, 20043), (143, 20163), (157, 20223), (166, 20256), (167, 20259), (197, 20361), (207, 20394), (231, 20499), (232, 20502), (293, 20736), (336, 20898), (356, 20967),

Gene: Dartin_25 Start: 18838, Stop: 19920, Start Num: 51
Candidate Starts for Dartin_25:
(Start: 51 @18838 has 152 MA's), (106, 18946), (112, 18964), (116, 18982), (158, 19147), (166, 19177), (167, 19180), (181, 19228), (197, 19282), (236, 19435), (272, 19582), (293, 19657), (314, 19732), (348, 19864), (356, 19888), (361, 19903),

Gene: DatBoi_37 Start: 32569, Stop: 33642, Start Num: 61
Candidate Starts for DatBoi_37:
(Start: 61 @32569 has 25 MA's), (89, 32629), (116, 32704), (131, 32773), (165, 32893), (182, 32953), (204, 33028), (248, 33187), (292, 33358), (295, 33370), (327, 33511),

Gene: Deby_25 Start: 19448, Stop: 20530, Start Num: 51
Candidate Starts for Deby_25:
(Start: 51 @19448 has 152 MA's), (106, 19556), (112, 19574), (116, 19592), (166, 19787), (167, 19790), (188, 19859), (209, 19931), (224, 20006), (232, 20033), (282, 20234), (293, 20267), (308, 20327), (323, 20381), (348, 20474), (361, 20513),

Gene: DeepSoil15_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for DeepSoil15_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: DelRio_25 Start: 20513, Stop: 21613, Start Num: 62
Candidate Starts for DelRio_25:
(Start: 62 @20513 has 27 MA's), (88, 20564), (116, 20645), (173, 20858), (181, 20894), (213, 21002), (237, 21089), (267, 21224), (276, 21260), (278, 21269), (286, 21305), (302, 21371), (311, 21416), (323, 21467), (328, 21494), (335, 21512), (358, 21590), (363, 21605),

Gene: Delian_28 Start: 22338, Stop: 23405, Start Num: 55
Candidate Starts for Delian_28:
(Start: 55 @22338 has 46 MA's), (73, 22368), (97, 22416), (102, 22431), (115, 22473), (116, 22476), (118, 22482), (139, 22560), (143, 22569), (145, 22578), (160, 22638), (170, 22674), (191, 22752), (195, 22770), (196, 22776), (205, 22809), (210, 22824), (240, 22950), (266, 23046), (281, 23112), (292, 23142), (361, 23388),

Gene: Devera_25 Start: 19496, Stop: 20578, Start Num: 51
Candidate Starts for Devera_25:

(Start: 51 @19496 has 152 MA's), (77, 19538), (106, 19604), (112, 19622), (116, 19640), (166, 19835), (167, 19838), (188, 19907), (197, 19940), (209, 19979), (232, 20081), (293, 20315), (300, 20333), (308, 20375), (323, 20429), (341, 20492), (348, 20522), (361, 20561),

Gene: Dewey_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Dewey_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: DingDing_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for DingDing_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: DinoDaryn_28 Start: 19747, Stop: 20865, Start Num: 58
Candidate Starts for DinoDaryn_28:
(Start: 58 @19747 has 72 MA's), (79, 19789), (103, 19837), (107, 19849), (111, 19861), (131, 19951), (157, 20038), (158, 20041), (178, 20125), (184, 20143), (205, 20218), (230, 20338), (267, 20473), (281, 20536), (288, 20560), (310, 20641), (312, 20650), (327, 20719), (328, 20722), (329, 20725), (345, 20785), (347, 20794),

Gene: DismalFunk_21 Start: 17339, Stop: 18418, Start Num: 51
Candidate Starts for DismalFunk_21:
(27, 17198), (Start: 51 @17339 has 152 MA's), (98, 17414), (106, 17441), (110, 17453), (112, 17459), (120, 17492), (167, 17675), (181, 17723), (188, 17744), (211, 17825), (232, 17918), (240, 17945), (253, 17987), (258, 18020), (293, 18152), (314, 18227), (323, 18266), (328, 18293),

Gene: DismalStressor_21 Start: 17339, Stop: 18418, Start Num: 51
Candidate Starts for DismalStressor_21:
(27, 17198), (Start: 51 @17339 has 152 MA's), (98, 17414), (106, 17441), (110, 17453), (112, 17459), (120, 17492), (167, 17675), (181, 17723), (188, 17744), (211, 17825), (232, 17918), (240, 17945), (253, 17987), (258, 18020), (293, 18152), (314, 18227), (323, 18266), (328, 18293),

Gene: Dogfish_27 Start: 22608, Stop: 23672, Start Num: 66
Candidate Starts for Dogfish_27:
(Start: 66 @22608 has 5 MA's), (81, 22641), (92, 22659), (106, 22698), (107, 22701), (119, 22743), (197, 23037), (209, 23076), (225, 23157), (227, 23163), (242, 23211), (248, 23229), (265, 23304), (278, 23355), (290, 23400), (293, 23403), (328, 23550), (339, 23580), (358, 23646), (364, 23664),

Gene: Dole_25 Start: 19498, Stop: 20580, Start Num: 51
Candidate Starts for Dole_25:
(Start: 51 @19498 has 152 MA's), (77, 19540), (106, 19606), (112, 19624), (116, 19642), (166, 19837), (167, 19840), (188, 19909), (197, 19942), (209, 19981), (232, 20083), (293, 20317), (300, 20335), (308, 20377), (323, 20431), (341, 20494), (348, 20524), (361, 20563),

Gene: DoubleChamp_23 Start: 19831, Stop: 20916, Start Num: 58
Candidate Starts for DoubleChamp_23:

(37, 19780), (Start: 58 @19831 has 72 MA's), (77, 19867), (85, 19882), (98, 19906), (110, 19945), (128, 20029), (160, 20140), (166, 20164), (167, 20167), (209, 20314), (232, 20419), (293, 20653), (300, 20671), (323, 20767), (328, 20794), (348, 20860), (356, 20884),

Gene: Doughnut_21 Start: 17359, Stop: 18438, Start Num: 51
Candidate Starts for Doughnut_21:
(3, 16762), (11, 17044), (27, 17218), (Start: 51 @17359 has 152 MA's), (98, 17434), (106, 17461), (112, 17479), (120, 17512), (167, 17695), (188, 17764), (197, 17797), (232, 17938), (240, 17965), (253, 18007), (258, 18040), (293, 18172), (314, 18247), (323, 18286), (328, 18313),

Gene: DrHayes_25 Start: 19428, Stop: 20510, Start Num: 51
Candidate Starts for DrHayes_25:
(Start: 51 @19428 has 152 MA's), (106, 19536), (112, 19554), (116, 19572), (166, 19767), (167, 19770), (188, 19839), (197, 19872), (209, 19911), (231, 20010), (232, 20013), (253, 20082), (275, 20181), (293, 20247), (295, 20253), (300, 20265), (301, 20277), (356, 20481), (361, 20496),

Gene: DumpsterDude_21 Start: 18369, Stop: 19469, Start Num: 62
Candidate Starts for DumpsterDude_21:
(13, 18087), (25, 18195), (Start: 62 @18369 has 27 MA's), (106, 18465), (116, 18501), (160, 18675), (179, 18744), (181, 18750), (199, 18810), (231, 18927), (250, 19005), (275, 19113), (276, 19116), (278, 19125), (286, 19161), (291, 19173), (296, 19188), (323, 19323), (338, 19374), (339, 19380), (363, 19461),

Gene: Durfee_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Durfee_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Dusty_54 Start: 34012, Stop: 35094, Start Num: 61
Candidate Starts for Dusty_54:
(Start: 61 @34012 has 25 MA's), (78, 34051), (89, 34072), (131, 34219), (159, 34309), (165, 34339), (182, 34399), (202, 34468), (265, 34705), (270, 34723), (277, 34756), (289, 34798), (310, 34891), (322, 34936), (340, 35011), (341, 35014), (358, 35074), (359, 35077),

Gene: ECartman_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for ECartman_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Edugator_23 Start: 19807, Stop: 20892, Start Num: 58
Candidate Starts for Edugator_23:
(37, 19756), (Start: 58 @19807 has 72 MA's), (77, 19843), (85, 19858), (98, 19882), (110, 19921), (128, 20005), (160, 20116), (166, 20140), (167, 20143), (209, 20290), (232, 20395), (275, 20563), (300, 20647), (301, 20659), (328, 20770), (348, 20836),

Gene: Efra2_25 Start: 18684, Stop: 19766, Start Num: 51
Candidate Starts for Efra2_25:
(Start: 51 @18684 has 152 MA's), (106, 18792), (112, 18810), (166, 19023), (167, 19026), (188, 19095), (209, 19167), (232, 19269), (293, 19503), (308, 19563), (323, 19617), (348, 19710), (361, 19749),

Gene: Ein37_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Ein37_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Ekdilam_22 Start: 19682, Stop: 20764, Start Num: 51
Candidate Starts for Ekdilam_22:
(Start: 51 @19682 has 152 MA's), (94, 19754), (106, 19790), (112, 19808), (116, 19826), (157, 19988), (166, 20021), (167, 20024), (188, 20093), (197, 20126), (207, 20159), (231, 20264), (232, 20267), (293, 20501), (336, 20663), (356, 20732),

Gene: Ellie_22 Start: 19656, Stop: 20738, Start Num: 51
Candidate Starts for Ellie_22:
(Start: 51 @19656 has 152 MA's), (77, 19698), (106, 19764), (110, 19776), (112, 19782), (130, 19866), (166, 19995), (167, 19998), (188, 20067), (229, 20232), (240, 20268), (244, 20283), (293, 20475), (328, 20616), (356, 20706),

Gene: Emerson_25 Start: 19474, Stop: 20556, Start Num: 51
Candidate Starts for Emerson_25:
(Start: 51 @19474 has 152 MA's), (106, 19582), (112, 19600), (116, 19618), (166, 19813), (167, 19816), (188, 19885), (209, 19957), (224, 20032), (232, 20059), (293, 20293), (308, 20353), (323, 20407), (348, 20500), (361, 20539),

Gene: Emianna_42 Start: 32479, Stop: 33606, Start Num: 58
Candidate Starts for Emianna_42:
(Start: 58 @32479 has 72 MA's), (111, 32584), (156, 32758), (174, 32833), (193, 32911), (201, 32944), (218, 33025), (226, 33070), (232, 33091), (241, 33124), (257, 33184), (347, 33538), (358, 33571),

Gene: Engineer_57 Start: 34687, Stop: 35769, Start Num: 61
Candidate Starts for Engineer_57:
(Start: 61 @34687 has 25 MA's), (78, 34726), (89, 34747), (131, 34894), (159, 34984), (165, 35014), (182, 35074), (202, 35143), (265, 35380), (270, 35398), (277, 35431), (289, 35473), (310, 35566), (322, 35611), (340, 35686), (341, 35689), (358, 35749), (359, 35752),

Gene: Enkosi_21 Start: 19023, Stop: 20105, Start Num: 51
Candidate Starts for Enkosi_21:
(Start: 51 @19023 has 152 MA's), (85, 19080), (106, 19131), (112, 19149), (116, 19167), (128, 19227), (130, 19233), (158, 19332), (166, 19362), (167, 19365), (181, 19413), (195, 19455), (197, 19467), (232, 19608), (236, 19620), (293, 19842), (314, 19917), (326, 19974), (336, 20004), (348, 20049), (361, 20088),

Gene: Ennea_48 Start: 33125, Stop: 34234, Start Num: 58
Candidate Starts for Ennea_48:
(1, 32039), (2, 32072), (4, 32552), (Start: 58 @33125 has 72 MA's), (95, 33185), (117, 33245), (156, 33395), (184, 33515), (193, 33548), (206, 33596), (223, 33683), (230, 33713), (265, 33845), (268, 33857), (289, 33941), (328, 34097), (356, 34193),

Gene: Eponine_26 Start: 20826, Stop: 21923, Start Num: 56
Candidate Starts for Eponine_26:

(18, 20577), (22, 20604), (36, 20775), (Start: 56 @20826 has 24 MA's), (68, 20838), (112, 20946), (120, 20979), (160, 21135), (167, 21162), (188, 21231), (197, 21264), (225, 21381), (232, 21405), (244, 21447), (253, 21474), (300, 21657), (326, 21771), (328, 21780), (361, 21885),

Gene: Evanesce_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Evanesce_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Ewald_28 Start: 22994, Stop: 24058, Start Num: 66
Candidate Starts for Ewald_28:
(31, 22886), (Start: 66 @22994 has 5 MA's), (81, 23027), (92, 23045), (106, 23084), (107, 23087), (117, 23123), (119, 23129), (209, 23462), (227, 23549), (235, 23576), (242, 23597), (248, 23615), (265, 23690), (290, 23786), (293, 23789), (328, 23936), (339, 23966), (358, 24032), (364, 24050),

Gene: FF47_23 Start: 18222, Stop: 19322, Start Num: 49
Candidate Starts for FF47_23:
(Start: 49 @18222 has 4 MA's), (71, 18258), (81, 18285), (88, 18297), (110, 18354), (119, 18387), (120, 18393), (137, 18465), (152, 18513), (215, 18744), (258, 18921), (267, 18954), (269, 18963), (272, 18978), (281, 19014), (299, 19068), (328, 19194), (339, 19233), (356, 19293), (363, 19314),

Gene: Fairfaxidum_27 Start: 22634, Stop: 23698, Start Num: 55
Candidate Starts for Fairfaxidum_27:
(Start: 55 @22634 has 46 MA's), (97, 22712), (104, 22733), (116, 22772), (118, 22778), (160, 22934), (170, 22970), (175, 22991), (179, 23009), (195, 23063), (196, 23069), (210, 23117), (279, 23399), (281, 23405), (292, 23435), (327, 23570), (337, 23603), (356, 23666), (361, 23681), (363, 23687),

Gene: Faiyaz_26 Start: 21990, Stop: 23429, Start Num: 12
Candidate Starts for Faiyaz_26:
(Start: 12 @21990 has 5 MA's), (14, 22011), (17, 22029), (18, 22032), (19, 22047), (24, 22077), (26, 22116), (28, 22143), (29, 22149), (57, 22287), (96, 22356), (107, 22389), (126, 22473), (127, 22479), (153, 22608), (154, 22614), (156, 22629), (166, 22677), (169, 22683), (171, 22686), (183, 22734), (197, 22773), (202, 22791), (212, 22824), (221, 22875), (230, 22908), (243, 22968), (247, 22980), (253, 22998), (275, 23097), (293, 23163), (323, 23277), (327, 23301), (328, 23304), (346, 23373), (360, 23415),

Gene: Fefferhead_24 Start: 19823, Stop: 20905, Start Num: 51
Candidate Starts for Fefferhead_24:
(Start: 51 @19823 has 152 MA's), (77, 19865), (106, 19931), (110, 19943), (112, 19949), (130, 20033), (166, 20162), (167, 20165), (188, 20234), (229, 20399), (232, 20408), (240, 20435), (244, 20450), (293, 20642), (328, 20783), (356, 20873),

Gene: Fenry_26 Start: 22038, Stop: 23105, Start Num: 55
Candidate Starts for Fenry_26:
(Start: 55 @22038 has 46 MA's), (73, 22068), (97, 22116), (102, 22131), (115, 22173), (143, 22269), (145, 22278), (160, 22338), (170, 22374), (175, 22395), (190, 22449), (195, 22470), (196, 22476), (203, 22503), (205, 22509), (210, 22524), (240, 22650), (266, 22746), (279, 22806), (281, 22812), (292, 22842), (361, 23088),

Gene: Feyre_23 Start: 19692, Stop: 20777, Start Num: 58

Candidate Starts for Feyre_23:
(37, 19641), (Start: 58 @19692 has 72 MA's), (77, 19728), (85, 19743), (98, 19767), (110, 19806), (128, 19890), (160, 20001), (166, 20025), (167, 20028), (209, 20175), (232, 20280), (293, 20514), (300, 20532), (323, 20628), (328, 20655), (348, 20721), (356, 20745),

Gene: Findley_21 Start: 17342, Stop: 18418, Start Num: 51
Candidate Starts for Findley_21:
(27, 17201), (Start: 51 @17342 has 152 MA's), (98, 17417), (106, 17444), (110, 17456), (112, 17462), (120, 17495), (167, 17678), (181, 17726), (188, 17747), (232, 17921), (240, 17948), (253, 17990), (258, 18023), (314, 18230), (323, 18269),

Gene: Fionnbharth_26 Start: 20926, Stop: 22023, Start Num: 56
Candidate Starts for Fionnbharth_26:
(18, 20677), (22, 20704), (36, 20875), (Start: 56 @20926 has 24 MA's), (68, 20938), (112, 21046), (120, 21079), (160, 21235), (167, 21262), (188, 21331), (197, 21364), (225, 21481), (232, 21505), (244, 21547), (253, 21574), (300, 21757), (326, 21871), (328, 21880), (361, 21985),

Gene: FlagStaff_20 Start: 19051, Stop: 20202, Start Num: 34
Candidate Starts for FlagStaff_20:
(Start: 34 @19051 has 69 MA's), (74, 19144), (83, 19162), (98, 19189), (105, 19213), (110, 19228), (112, 19234), (127, 19309), (128, 19312), (162, 19435), (188, 19522), (197, 19564), (216, 19639), (231, 19699), (233, 19708), (249, 19768), (272, 19870), (342, 20125),

Gene: Flapper_46 Start: 32840, Stop: 33949, Start Num: 58
Candidate Starts for Flapper_46:
(Start: 58 @32840 has 72 MA's), (93, 32897), (95, 32900), (223, 33398), (230, 33428), (328, 33812), (338, 33845), (356, 33908),

Gene: Float294_44 Start: 32567, Stop: 33676, Start Num: 58
Candidate Starts for Float294_44:
(1, 31481), (2, 31514), (4, 31994), (Start: 58 @32567 has 72 MA's), (95, 32627), (117, 32687), (156, 32837), (184, 32957), (193, 32990), (206, 33038), (223, 33125), (230, 33155), (268, 33299), (289, 33383), (328, 33539), (356, 33635),

Gene: Forge_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Forge_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Foxboro_43 Start: 32985, Stop: 34112, Start Num: 58
Candidate Starts for Foxboro_43:
(Start: 58 @32985 has 72 MA's), (111, 33090), (156, 33264), (174, 33339), (193, 33417), (201, 33450), (218, 33531), (226, 33576), (232, 33597), (241, 33630), (257, 33690), (347, 34044), (358, 34077),

Gene: Francois_24 Start: 19528, Stop: 20628, Start Num: 62
Candidate Starts for Francois_24:
(25, 19357), (Start: 62 @19528 has 27 MA's), (88, 19579), (116, 19660), (173, 19873), (181, 19909), (237, 20104), (265, 20233), (267, 20239), (276, 20275), (278, 20284), (286, 20320), (298, 20365), (311, 20431), (323, 20482), (328, 20509), (335, 20527), (358, 20605), (363, 20620),

Gene: Frizzle_24 Start: 20324, Stop: 21406, Start Num: 55
Candidate Starts for Frizzle_24:
(Start: 55 @20324 has 46 MA's), (77, 20366), (104, 20423), (127, 20516), (152, 20582), (164, 20645), (186, 20720), (195, 20756), (196, 20762), (202, 20786), (205, 20795), (210, 20810), (220, 20864), (221, 20870), (224, 20882), (246, 20957), (252, 20972), (253, 20975), (268, 21041), (279, 21092), (315, 21227), (322, 21251), (328, 21284), (334, 21308), (363, 21398),

Gene: Frokostdame_27 Start: 22282, Stop: 23349, Start Num: 55
Candidate Starts for Frokostdame_27:
(Start: 55 @22282 has 46 MA's), (73, 22312), (97, 22360), (102, 22375), (115, 22417), (116, 22420), (118, 22426), (143, 22513), (145, 22522), (160, 22582), (170, 22618), (175, 22639), (190, 22693), (195, 22714), (196, 22720), (205, 22753), (210, 22768), (240, 22894), (266, 22990), (279, 23050), (281, 23056), (292, 23086), (315, 23167), (361, 23332),

Gene: Frosty24_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Frosty24_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Fury_51 Start: 32338, Stop: 33456, Start Num: 49
Candidate Starts for Fury_51:
(Start: 49 @32338 has 4 MA's), (60, 32350), (95, 32407), (134, 32542), (140, 32563), (156, 32617), (175, 32704), (184, 32737), (202, 32806), (223, 32905), (241, 32974), (307, 33229), (323, 33292), (356, 33415), (357, 33418), (358, 33421),

Gene: GRU1_32 Start: 24740, Stop: 25849, Start Num: 58
Candidate Starts for GRU1_32:
(Start: 58 @24740 has 72 MA's), (95, 24800), (223, 25298), (230, 25328), (328, 25712), (338, 25745), (343, 25766),

Gene: GTE5_33 Start: 25695, Stop: 26804, Start Num: 58
Candidate Starts for GTE5_33:
(Start: 58 @25695 has 72 MA's), (93, 25752), (95, 25755), (223, 26253), (230, 26283), (328, 26667), (338, 26700), (356, 26763),

Gene: GTE8_31 Start: 25738, Stop: 26865, Start Num: 58
Candidate Starts for GTE8_31:
(Start: 58 @25738 has 72 MA's), (111, 25843), (156, 26017), (174, 26092), (193, 26170), (201, 26203), (218, 26284), (226, 26329), (241, 26383), (257, 26443), (347, 26797), (358, 26830),

Gene: Gambino_29 Start: 22628, Stop: 23695, Start Num: 55
Candidate Starts for Gambino_29:
(Start: 55 @22628 has 46 MA's), (73, 22658), (97, 22706), (102, 22721), (115, 22763), (116, 22766), (118, 22772), (143, 22859), (145, 22868), (160, 22928), (170, 22964), (175, 22985), (190, 23039), (195, 23060), (196, 23066), (205, 23099), (210, 23114), (240, 23240), (266, 23336), (279, 23396), (281, 23402), (292, 23432), (315, 23513), (361, 23678),

Gene: Gancho_23 Start: 19474, Stop: 20577, Start Num: 67
Candidate Starts for Gancho_23:
(15, 19204), (Start: 67 @19474 has 23 MA's), (107, 19570), (113, 19588), (116, 19603), (117, 19606), (118, 19609), (119, 19612), (121, 19621), (144, 19705), (150, 19720), (160, 19771), (178, 19837),

(181, 19846), (185, 19858), (188, 19867), (209, 19939), (231, 20032), (232, 20035), (263, 20170), (266, 20185), (291, 20284), (294, 20293), (301, 20332), (309, 20365), (326, 20449), (339, 20488), (363, 20569),

Gene: Ganymede_26 Start: 19494, Stop: 20576, Start Num: 51
Candidate Starts for Ganymede_26:
(Start: 51 @19494 has 152 MA's), (106, 19602), (112, 19620), (116, 19638), (166, 19833), (167, 19836), (188, 19905), (209, 19977), (232, 20079), (293, 20313), (308, 20373), (323, 20427), (348, 20520), (361, 20559),

Gene: Geeche_54 Start: 34103, Stop: 35185, Start Num: 61
Candidate Starts for Geeche_54:
(Start: 61 @34103 has 25 MA's), (78, 34142), (89, 34163), (131, 34310), (159, 34400), (165, 34430), (182, 34490), (202, 34559), (265, 34796), (270, 34814), (277, 34847), (289, 34889), (310, 34982), (322, 35027), (340, 35102), (341, 35105), (358, 35165), (359, 35168),

Gene: Gengar_23 Start: 19799, Stop: 20884, Start Num: 58
Candidate Starts for Gengar_23:
(37, 19748), (Start: 58 @19799 has 72 MA's), (77, 19835), (85, 19850), (98, 19874), (110, 19913), (128, 19997), (160, 20108), (166, 20132), (167, 20135), (209, 20282), (231, 20384), (232, 20387), (293, 20621), (300, 20639), (323, 20735), (348, 20828), (356, 20852),

Gene: Geraldini_25 Start: 19490, Stop: 20572, Start Num: 51
Candidate Starts for Geraldini_25:
(Start: 51 @19490 has 152 MA's), (106, 19598), (112, 19616), (116, 19634), (166, 19829), (167, 19832), (188, 19901), (209, 19973), (232, 20075), (293, 20309), (308, 20369), (323, 20423), (348, 20516), (361, 20555),

Gene: Ghobes_25 Start: 20324, Stop: 21406, Start Num: 55
Candidate Starts for Ghobes_25:
(Start: 55 @20324 has 46 MA's), (77, 20366), (104, 20423), (127, 20516), (152, 20582), (164, 20645), (186, 20720), (195, 20756), (196, 20762), (202, 20786), (205, 20795), (210, 20810), (220, 20864), (221, 20870), (224, 20882), (246, 20957), (252, 20972), (253, 20975), (268, 21041), (315, 21227), (322, 21251), (328, 21284), (334, 21308), (363, 21398),

Gene: Gideon_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Gideon_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Giles_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Giles_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: GodSpeed_21 Start: 19084, Stop: 20235, Start Num: 34
Candidate Starts for GodSpeed_21:

(Start: 34 @19084 has 69 MA's), (74, 19177), (83, 19195), (98, 19222), (105, 19246), (110, 19261), (112, 19267), (116, 19285), (120, 19300), (127, 19342), (128, 19345), (162, 19468), (188, 19555), (192, 19576), (197, 19597), (216, 19672), (231, 19732), (233, 19741), (249, 19801), (268, 19885), (272, 19903), (326, 20110), (342, 20158),

Gene: Goib_27 Start: 19531, Stop: 20649, Start Num: 58
Candidate Starts for Goib_27:
(Start: 58 @19531 has 72 MA's), (79, 19573), (103, 19621), (107, 19633), (131, 19735), (157, 19822), (158, 19825), (178, 19909), (184, 19927), (205, 20002), (230, 20122), (266, 20254), (267, 20257), (281, 20320), (288, 20344), (310, 20425), (312, 20434), (322, 20473), (325, 20491), (327, 20503), (328, 20506), (329, 20509), (345, 20569),

Gene: GoldenAsh_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for GoldenAsh_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Gomashi_20 Start: 18862, Stop: 19998, Start Num: 34
Candidate Starts for Gomashi_20:
(16, 18658), (30, 18817), (Start: 34 @18862 has 69 MA's), (74, 18940), (75, 18943), (77, 18946), (83, 18958), (94, 18976), (105, 19009), (110, 19024), (127, 19105), (160, 19219), (162, 19231), (188, 19318), (192, 19339), (216, 19435), (237, 19513), (272, 19666), (300, 19759), (322, 19849), (336, 19903), (341, 19918), (342, 19921), (345, 19936), (359, 19981), (360, 19984),

Gene: GrandSlam_24 Start: 20039, Stop: 21139, Start Num: 62
Candidate Starts for GrandSlam_24:
(Start: 62 @20039 has 27 MA's), (88, 20090), (116, 20171), (173, 20384), (181, 20420), (213, 20528), (237, 20615), (267, 20750), (276, 20786), (278, 20795), (286, 20831), (302, 20897), (311, 20942), (323, 20993), (328, 21020), (335, 21038), (358, 21116), (363, 21131),

Gene: Gravaillia_24 Start: 19480, Stop: 20583, Start Num: 67
Candidate Starts for Gravaillia_24:
(15, 19210), (Start: 67 @19480 has 23 MA's), (107, 19576), (113, 19594), (116, 19609), (117, 19612), (118, 19615), (119, 19618), (121, 19627), (144, 19711), (150, 19726), (160, 19777), (178, 19843), (181, 19852), (185, 19864), (188, 19873), (209, 19945), (221, 20008), (231, 20038), (232, 20041), (263, 20176), (266, 20191), (291, 20290), (294, 20299), (301, 20338), (309, 20371), (326, 20455), (339, 20494), (363, 20575),

Gene: Grizzly_20 Start: 18864, Stop: 20000, Start Num: 34
Candidate Starts for Grizzly_20:
(16, 18660), (30, 18819), (Start: 34 @18864 has 69 MA's), (74, 18942), (75, 18945), (77, 18948), (83, 18960), (94, 18978), (105, 19011), (110, 19026), (127, 19107), (160, 19221), (162, 19233), (188, 19320), (192, 19341), (216, 19437), (234, 19509), (237, 19515), (272, 19668), (301, 19773), (313, 19815), (322, 19851), (336, 19905), (341, 19920), (342, 19923), (359, 19983), (360, 19986),

Gene: GrootJr_44 Start: 31861, Stop: 32988, Start Num: 58
Candidate Starts for GrootJr_44:
(Start: 58 @31861 has 72 MA's), (111, 31966), (151, 32122), (174, 32215), (193, 32293), (201, 32326), (218, 32407), (226, 32452), (232, 32473), (237, 32488), (241, 32506), (257, 32566), (347, 32920), (358, 32953),

Gene: Gsput1_24 Start: 18864, Stop: 19922, Start Num: 58
Candidate Starts for Gsput1_24:
(Start: 58 @18864 has 72 MA's), (84, 18915), (107, 18966), (116, 18999), (131, 19068), (132, 19071), (158, 19158), (168, 19197), (175, 19221), (177, 19233), (184, 19254), (200, 19314), (207, 19335), (228, 19440), (230, 19449), (233, 19458), (252, 19515), (259, 19554), (267, 19584), (268, 19590), (270, 19596), (281, 19647), (288, 19671), (301, 19710), (312, 19761), (317, 19782), (322, 19800), (326, 19824), (328, 19833), (329, 19836), (345, 19896), (347, 19905), (350, 19914),

Gene: Guacamole_27 Start: 22323, Stop: 23390, Start Num: 55
Candidate Starts for Guacamole_27:
(Start: 55 @22323 has 46 MA's), (73, 22353), (97, 22401), (102, 22416), (115, 22458), (116, 22461), (118, 22467), (139, 22545), (143, 22554), (145, 22563), (160, 22623), (170, 22659), (175, 22680), (190, 22734), (195, 22755), (196, 22761), (205, 22794), (210, 22809), (240, 22935), (266, 23031), (279, 23091), (281, 23097), (292, 23127), (361, 23373),

Gene: Guanica15_25 Start: 18700, Stop: 19782, Start Num: 51
Candidate Starts for Guanica15_25:
(Start: 51 @18700 has 152 MA's), (106, 18808), (112, 18826), (166, 19039), (167, 19042), (188, 19111), (209, 19183), (232, 19285), (293, 19519), (308, 19579), (323, 19633), (348, 19726), (361, 19765),

Gene: Guillsminger_23 Start: 19774, Stop: 20859, Start Num: 58
Candidate Starts for Guillsminger_23:
(37, 19723), (Start: 58 @19774 has 72 MA's), (77, 19810), (85, 19825), (98, 19849), (110, 19888), (128, 19972), (160, 20083), (166, 20107), (167, 20110), (209, 20257), (232, 20362), (293, 20596), (300, 20614), (323, 20710), (328, 20737), (348, 20803),

Gene: GuyFagieri_46 Start: 32782, Stop: 33885, Start Num: 58
Candidate Starts for GuyFagieri_46:
(Start: 58 @32782 has 72 MA's), (111, 32878), (132, 32971), (133, 32974), (143, 33004), (184, 33172), (192, 33202), (193, 33205), (221, 33334), (242, 33412), (279, 33565), (281, 33571), (285, 33589), (289, 33598), (292, 33604), (316, 33700), (323, 33724),

Gene: HH92_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for HH92_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Hadrien_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Hadrien_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Hail_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Hail_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047),

(179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Halo_20 Start: 18856, Stop: 19992, Start Num: 34
Candidate Starts for Halo_20:
(16, 18652), (30, 18811), (Start: 34 @18856 has 69 MA's), (74, 18934), (75, 18937), (77, 18940), (83, 18952), (94, 18970), (105, 19003), (110, 19018), (127, 19099), (160, 19213), (162, 19225), (188, 19312), (192, 19333), (216, 19429), (237, 19507), (272, 19660), (300, 19753), (322, 19843), (336, 19897), (341, 19912), (342, 19915), (345, 19930), (359, 19975), (360, 19978),

Gene: Hammy_24 Start: 19914, Stop: 20996, Start Num: 51
Candidate Starts for Hammy_24:
(Start: 51 @19914 has 152 MA's), (94, 19986), (106, 20022), (112, 20040), (143, 20160), (157, 20220), (166, 20253), (167, 20256), (197, 20358), (207, 20391), (231, 20496), (232, 20499), (293, 20733), (336, 20895), (356, 20964),

Gene: Hamood_24 Start: 20039, Stop: 21139, Start Num: 62
Candidate Starts for Hamood_24:
(Start: 62 @20039 has 27 MA's), (88, 20090), (116, 20171), (173, 20384), (181, 20420), (213, 20528), (237, 20615), (267, 20750), (276, 20786), (278, 20795), (286, 20831), (302, 20897), (311, 20942), (323, 20993), (328, 21020), (335, 21038), (358, 21116), (363, 21131),

Gene: HedwigODU_25 Start: 19483, Stop: 20565, Start Num: 51
Candidate Starts for HedwigODU_25:
(Start: 51 @19483 has 152 MA's), (106, 19591), (112, 19609), (116, 19627), (166, 19822), (167, 19825), (188, 19894), (209, 19966), (232, 20068), (293, 20302), (308, 20362), (323, 20416), (348, 20509), (361, 20548),

Gene: Heftyboy_23 Start: 19922, Stop: 21007, Start Num: 58
Candidate Starts for Heftyboy_23:
(37, 19871), (Start: 58 @19922 has 72 MA's), (77, 19958), (85, 19973), (98, 19997), (110, 20036), (128, 20120), (160, 20231), (166, 20255), (167, 20258), (209, 20405), (232, 20510), (293, 20744), (300, 20762), (323, 20858), (328, 20885), (348, 20951),

Gene: Hilltopfarm_26 Start: 22020, Stop: 23459, Start Num: 12
Candidate Starts for Hilltopfarm_26:
(Start: 12 @22020 has 5 MA's), (14, 22041), (17, 22059), (18, 22062), (19, 22077), (24, 22107), (26, 22146), (28, 22173), (29, 22179), (57, 22317), (96, 22386), (107, 22419), (126, 22503), (127, 22509), (153, 22638), (154, 22644), (156, 22659), (166, 22707), (169, 22713), (171, 22716), (183, 22764), (197, 22803), (202, 22821), (212, 22854), (221, 22905), (230, 22938), (243, 22998), (247, 23010), (253, 23028), (275, 23127), (293, 23193), (323, 23307), (327, 23331), (328, 23334), (346, 23403), (360, 23445),

Gene: Hitter_27 Start: 22319, Stop: 23386, Start Num: 55
Candidate Starts for Hitter_27:
(Start: 55 @22319 has 46 MA's), (73, 22349), (97, 22397), (102, 22412), (115, 22454), (143, 22550), (145, 22559), (160, 22619), (170, 22655), (175, 22676), (191, 22733), (195, 22751), (196, 22757), (205, 22790), (210, 22805), (240, 22931), (266, 23027), (279, 23087), (281, 23093), (292, 23123), (361, 23369),

Gene: HomeFry_48 Start: 30949, Stop: 32070, Start Num: 49
Candidate Starts for HomeFry_48:

(Start: 49 @30949 has 4 MA's), (Start: 63 @30964 has 2 MA's), (95, 31021), (155, 31228), (156, 31231), (202, 31420), (223, 31519), (241, 31588), (307, 31843), (323, 31906), (356, 32029), (357, 32032), (358, 32035),

Gene: Homura_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Homura_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Hope_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Hope_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Hotshotbaby7_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Hotshotbaby7_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: HubbaBubba_40 Start: 28235, Stop: 29350, Start Num: 62
Candidate Starts for HubbaBubba_40:
(Start: 62 @28235 has 27 MA's), (80, 28277), (95, 28301), (111, 28337), (123, 28385), (133, 28433), (174, 28586), (221, 28793), (223, 28799), (270, 28979), (277, 29012), (284, 29045), (289, 29057), (328, 29213), (343, 29267), (347, 29282), (356, 29309),

Gene: Huffy_28 Start: 19747, Stop: 20865, Start Num: 58
Candidate Starts for Huffy_28:
(Start: 58 @19747 has 72 MA's), (79, 19789), (103, 19837), (107, 19849), (111, 19861), (131, 19951), (157, 20038), (158, 20041), (178, 20125), (184, 20143), (205, 20218), (230, 20338), (267, 20473), (281, 20536), (288, 20560), (310, 20641), (312, 20650), (327, 20719), (328, 20722), (329, 20725), (345, 20785), (347, 20794),

Gene: Hurricane_24 Start: 19911, Stop: 20999, Start Num: 51
Candidate Starts for Hurricane_24:
(Start: 51 @19911 has 152 MA's), (Start: 61 @19923 has 25 MA's), (64, 19926), (94, 19977), (106, 20013), (112, 20031), (116, 20049), (120, 20064), (145, 20160), (158, 20226), (167, 20259), (188, 20328), (197, 20361), (215, 20427), (231, 20499), (232, 20502), (293, 20736), (326, 20868), (348, 20943), (356, 20967), (361, 20982),

Gene: Hyperbowlee_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Hyperbowlee_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: IDyn_43 Start: 29631, Stop: 30746, Start Num: 62
Candidate Starts for IDyn_43:

(Start: 62 @29631 has 27 MA's), (80, 29673), (95, 29697), (111, 29733), (123, 29781), (133, 29829), (174, 29982), (221, 30189), (223, 30195), (230, 30225), (253, 30300), (270, 30375), (277, 30408), (284, 30441), (289, 30453), (328, 30609), (343, 30663), (347, 30678), (356, 30705),

Gene: Illumine_25 Start: 19498, Stop: 20580, Start Num: 51
Candidate Starts for Illumine_25:
(Start: 51 @19498 has 152 MA's), (77, 19540), (106, 19606), (112, 19624), (116, 19642), (166, 19837), (167, 19840), (188, 19909), (197, 19942), (209, 19981), (232, 20083), (293, 20317), (300, 20335), (308, 20377), (323, 20431), (341, 20494), (348, 20524), (361, 20563),

Gene: Inky_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Inky_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: InvictusManeo_23 Start: 19874, Stop: 20959, Start Num: 58
Candidate Starts for InvictusManeo_23:
(37, 19823), (Start: 58 @19874 has 72 MA's), (77, 19910), (85, 19925), (98, 19949), (110, 19988), (128, 20072), (160, 20183), (166, 20207), (167, 20210), (209, 20357), (232, 20462), (293, 20696), (300, 20714), (323, 20810), (328, 20837), (348, 20903), (356, 20927),

Gene: JAWS_25 Start: 19468, Stop: 20550, Start Num: 51
Candidate Starts for JAWS_25:
(Start: 51 @19468 has 152 MA's), (106, 19576), (112, 19594), (116, 19612), (166, 19807), (167, 19810), (188, 19879), (209, 19951), (224, 20026), (232, 20053), (293, 20287), (308, 20347), (323, 20401), (348, 20494), (361, 20533),

Gene: JF1_26 Start: 20925, Stop: 22022, Start Num: 56
Candidate Starts for JF1_26:
(18, 20676), (22, 20703), (36, 20874), (Start: 56 @20925 has 24 MA's), (68, 20937), (112, 21045), (120, 21078), (160, 21234), (167, 21261), (188, 21330), (197, 21363), (225, 21480), (232, 21504), (244, 21546), (253, 21573), (300, 21756), (326, 21870), (328, 21879), (361, 21984),

Gene: JacoRen57_19 Start: 17743, Stop: 18843, Start Num: 63
Candidate Starts for JacoRen57_19:
(Start: 63 @17743 has 2 MA's), (85, 17791), (106, 17842), (110, 17854), (113, 17863), (119, 17887), (165, 18073), (219, 18283), (222, 18298), (269, 18481), (279, 18526), (286, 18553), (293, 18571), (320, 18673), (321, 18676), (328, 18712), (331, 18727), (358, 18817),

Gene: Jalammah_29 Start: 23113, Stop: 24180, Start Num: 55
Candidate Starts for Jalammah_29:
(Start: 55 @23113 has 46 MA's), (73, 23143), (97, 23191), (102, 23206), (115, 23248), (143, 23344), (145, 23353), (160, 23413), (170, 23449), (175, 23470), (190, 23524), (195, 23545), (196, 23551), (205, 23584), (210, 23599), (240, 23725), (266, 23821), (279, 23881), (281, 23887), (292, 23917), (361, 24163),

Gene: Jane_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Jane_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Jarvi_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Jarvi_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: JasperJr_27 Start: 22323, Stop: 23390, Start Num: 55
Candidate Starts for JasperJr_27:
(Start: 55 @22323 has 46 MA's), (73, 22353), (97, 22401), (102, 22416), (115, 22458), (116, 22461), (118, 22467), (139, 22545), (143, 22554), (145, 22563), (160, 22623), (170, 22659), (175, 22680), (190, 22734), (195, 22755), (196, 22761), (205, 22794), (210, 22809), (240, 22935), (266, 23031), (279, 23091), (281, 23097), (292, 23127), (361, 23373),

Gene: Jayhawk_25 Start: 19481, Stop: 20563, Start Num: 51
Candidate Starts for Jayhawk_25:
(Start: 51 @19481 has 152 MA's), (106, 19589), (112, 19607), (116, 19625), (166, 19820), (167, 19823), (188, 19892), (209, 19964), (232, 20066), (293, 20300), (308, 20360), (323, 20414), (348, 20507), (361, 20546),

Gene: Jeckyll_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Jeckyll_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Jeilious_20 Start: 18860, Stop: 19996, Start Num: 34
Candidate Starts for Jeilious_20:
(16, 18656), (30, 18815), (Start: 34 @18860 has 69 MA's), (74, 18938), (75, 18941), (77, 18944), (83, 18956), (94, 18974), (105, 19007), (110, 19022), (127, 19103), (160, 19217), (162, 19229), (188, 19316), (192, 19337), (216, 19433), (237, 19511), (272, 19664), (300, 19757), (322, 19847), (336, 19901), (341, 19916), (342, 19919), (345, 19934), (359, 19979), (360, 19982),

Gene: Jifall16_41 Start: 32133, Stop: 33260, Start Num: 58
Candidate Starts for Jifall16_41:
(Start: 58 @32133 has 72 MA's), (111, 32238), (156, 32412), (174, 32487), (193, 32565), (201, 32598), (218, 32679), (226, 32724), (232, 32745), (241, 32778), (257, 32838), (347, 33192), (358, 33225),

Gene: Jolene_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Jolene_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Jolie2_20 Start: 18194, Stop: 19330, Start Num: 35
Candidate Starts for Jolie2_20:
(Start: 35 @18194 has 2 MA's), (45, 18221), (74, 18272), (83, 18290), (105, 18341), (112, 18362), (127, 18437), (162, 18563), (188, 18650), (216, 18767), (233, 18836), (272, 18998), (322, 19181), (326, 19205), (341, 19250), (342, 19253), (360, 19316), (361, 19319),

Gene: JonJames_54 Start: 38302, Stop: 39378, Start Num: 61
Candidate Starts for JonJames_54:

(Start: 61 @38302 has 25 MA's), (102, 38392), (116, 38440), (131, 38509), (174, 38650), (189, 38701), (196, 38734), (255, 38959), (281, 39064), (293, 39100), (314, 39190), (338, 39289), (356, 39355),

Gene: Jonghyun_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Jonghyun_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: JorRay_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for JorRay_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Joy99_25 Start: 19443, Stop: 20525, Start Num: 51
Candidate Starts for Joy99_25:
(Start: 51 @19443 has 152 MA's), (106, 19551), (112, 19569), (116, 19587), (166, 19782), (167, 19785), (188, 19854), (209, 19926), (224, 20001), (232, 20028), (293, 20262), (308, 20322), (323, 20376), (348, 20469), (361, 20508),

Gene: JuJu_28 Start: 22382, Stop: 23449, Start Num: 55
Candidate Starts for JuJu_28:
(Start: 55 @22382 has 46 MA's), (73, 22412), (97, 22460), (102, 22475), (104, 22481), (116, 22520), (143, 22613), (160, 22682), (170, 22718), (195, 22814), (196, 22820), (203, 22847), (210, 22868), (281, 23156), (292, 23186), (341, 23363), (361, 23432),

Gene: Juliette_26 Start: 20826, Stop: 21923, Start Num: 56
Candidate Starts for Juliette_26:
(18, 20577), (22, 20604), (36, 20775), (Start: 56 @20826 has 24 MA's), (68, 20838), (112, 20946), (120, 20979), (160, 21135), (167, 21162), (188, 21231), (197, 21264), (225, 21381), (232, 21405), (244, 21447), (253, 21474), (300, 21657), (326, 21771), (328, 21780), (361, 21885),

Gene: JustASigh_20 Start: 18675, Stop: 19814, Start Num: 53
Candidate Starts for JustASigh_20:
(Start: 53 @18675 has 2 MA's), (90, 18744), (113, 18807), (118, 18828), (179, 19071), (182, 19080), (197, 19137), (210, 19182), (215, 19203), (217, 19221), (221, 19239), (253, 19356), (263, 19407), (265, 19419), (267, 19425), (282, 19491), (289, 19515), (291, 19521), (301, 19569), (302, 19572), (335, 19713), (352, 19773), (358, 19791), (363, 19806),

Gene: Kabluna_45 Start: 31212, Stop: 32321, Start Num: 58
Candidate Starts for Kabluna_45:
(Start: 58 @31212 has 72 MA's), (95, 31272), (132, 31401), (156, 31482), (170, 31548), (174, 31557), (203, 31674), (223, 31770), (224, 31776), (230, 31800), (244, 31848), (256, 31896), (265, 31932), (281, 32001), (284, 32016), (301, 32067), (323, 32157), (338, 32217),

Gene: KappaFarmDelta_29 Start: 22801, Stop: 23868, Start Num: 55
Candidate Starts for KappaFarmDelta_29:
(Start: 55 @22801 has 46 MA's), (97, 22879), (115, 22936), (118, 22945), (145, 23041), (160, 23101), (170, 23137), (175, 23158), (179, 23176), (190, 23212), (195, 23233), (196, 23239), (210, 23287), (240, 23413), (259, 23485), (281, 23575), (292, 23605), (327, 23740), (332, 23761), (341, 23782),

(361, 23851),

Gene: Kareem_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Kareem_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Kasen3_20 Start: 18862, Stop: 19998, Start Num: 34
Candidate Starts for Kasen3_20:
(16, 18658), (30, 18817), (Start: 34 @18862 has 69 MA's), (74, 18940), (75, 18943), (77, 18946), (83, 18958), (94, 18976), (105, 19009), (110, 19024), (127, 19105), (160, 19219), (162, 19231), (188, 19318), (192, 19339), (216, 19435), (237, 19513), (272, 19666), (300, 19759), (322, 19849), (336, 19903), (341, 19918), (342, 19921), (345, 19936), (359, 19981), (360, 19984),

Gene: Keshu_24 Start: 19903, Stop: 20991, Start Num: 51
Candidate Starts for Keshu_24:
(Start: 51 @19903 has 152 MA's), (Start: 61 @19915 has 25 MA's), (64, 19918), (94, 19969), (106, 20005), (112, 20023), (116, 20041), (120, 20056), (145, 20152), (158, 20218), (160, 20224), (167, 20251), (188, 20320), (197, 20353), (215, 20419), (231, 20491), (232, 20494), (293, 20728), (302, 20761), (326, 20860), (348, 20935), (356, 20959), (361, 20974),

Gene: KiSi_24 Start: 18646, Stop: 19728, Start Num: 51
Candidate Starts for KiSi_24:
(Start: 51 @18646 has 152 MA's), (70, 18667), (85, 18703), (98, 18727), (106, 18754), (112, 18772), (120, 18805), (121, 18808), (166, 18985), (167, 18988), (188, 19057), (209, 19129), (232, 19231), (275, 19399), (293, 19465), (323, 19579), (328, 19606), (333, 19618), (361, 19711),

Gene: KidneyBean_42 Start: 32257, Stop: 33384, Start Num: 58
Candidate Starts for KidneyBean_42:
(Start: 58 @32257 has 72 MA's), (111, 32362), (156, 32536), (174, 32611), (193, 32689), (201, 32722), (218, 32803), (226, 32848), (232, 32869), (241, 32902), (257, 32962), (347, 33316), (358, 33349),

Gene: Kinbote_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Kinbote_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Kratio_22 Start: 19505, Stop: 20590, Start Num: 58
Candidate Starts for Kratio_22:
(37, 19454), (Start: 58 @19505 has 72 MA's), (77, 19541), (85, 19556), (98, 19580), (110, 19619), (128, 19703), (160, 19814), (166, 19838), (167, 19841), (209, 19988), (232, 20093), (293, 20327), (300, 20345), (323, 20441), (328, 20468), (348, 20534), (356, 20558),

Gene: Kraw_26 Start: 20849, Stop: 21946, Start Num: 56
Candidate Starts for Kraw_26:
(18, 20600), (22, 20627), (36, 20798), (Start: 56 @20849 has 24 MA's), (68, 20861), (112, 20969), (120, 21002), (160, 21158), (167, 21185), (188, 21254), (197, 21287), (225, 21404), (232, 21428), (244, 21470), (253, 21497), (300, 21680), (326, 21794), (328, 21803), (361, 21908),

Gene: Krueger_24 Start: 18615, Stop: 19697, Start Num: 51
Candidate Starts for Krueger_24:
(Start: 51 @18615 has 152 MA's), (64, 18630), (94, 18687), (106, 18723), (112, 18741), (158, 18924), (166, 18954), (167, 18957), (188, 19026), (209, 19098), (232, 19200), (238, 19221), (240, 19227), (293, 19434), (328, 19575), (348, 19641), (356, 19665), (361, 19680),

Gene: Kurt_42 Start: 32494, Stop: 33621, Start Num: 58
Candidate Starts for Kurt_42:
(Start: 58 @32494 has 72 MA's), (111, 32599), (156, 32773), (174, 32848), (193, 32926), (201, 32959), (218, 33040), (226, 33085), (232, 33106), (241, 33139), (257, 33199), (347, 33553), (358, 33586),

Gene: Larva_24 Start: 19675, Stop: 20760, Start Num: 58
Candidate Starts for Larva_24:
(37, 19624), (Start: 58 @19675 has 72 MA's), (77, 19711), (85, 19726), (98, 19750), (110, 19789), (128, 19873), (160, 19984), (166, 20008), (167, 20011), (209, 20158), (232, 20263), (275, 20431), (293, 20497), (300, 20515), (301, 20527), (328, 20638), (348, 20704),

Gene: LastHope_25 Start: 18777, Stop: 19859, Start Num: 51
Candidate Starts for LastHope_25:
(Start: 51 @18777 has 152 MA's), (106, 18885), (112, 18903), (116, 18921), (166, 19116), (167, 19119), (188, 19188), (209, 19260), (224, 19335), (232, 19362), (253, 19431), (264, 19482), (293, 19596), (308, 19656), (323, 19710), (348, 19803), (361, 19842),

Gene: LaterM_25 Start: 19444, Stop: 20529, Start Num: 51
Candidate Starts for LaterM_25:
(Start: 51 @19444 has 152 MA's), (106, 19552), (112, 19570), (116, 19588), (166, 19783), (167, 19786), (188, 19855), (197, 19888), (209, 19927), (232, 20029), (253, 20098), (293, 20263), (301, 20293), (302, 20296), (314, 20338), (323, 20377), (328, 20404), (359, 20503),

Gene: Lavahound_23 Start: 19575, Stop: 20657, Start Num: 51
Candidate Starts for Lavahound_23:
(Start: 51 @19575 has 152 MA's), (77, 19617), (106, 19683), (110, 19695), (112, 19701), (130, 19785), (166, 19914), (167, 19917), (188, 19986), (229, 20151), (232, 20160), (240, 20187), (244, 20202), (293, 20394), (328, 20535), (356, 20625),

Gene: LeMond_24 Start: 18717, Stop: 19799, Start Num: 51
Candidate Starts for LeMond_24:
(Start: 51 @18717 has 152 MA's), (70, 18738), (85, 18774), (98, 18798), (106, 18825), (112, 18843), (120, 18876), (121, 18879), (166, 19056), (167, 19059), (188, 19128), (209, 19200), (232, 19302), (275, 19470), (293, 19536), (323, 19650), (328, 19677), (333, 19689), (361, 19782),

Gene: Lea83_24 Start: 19891, Stop: 20979, Start Num: 51
Candidate Starts for Lea83_24:
(Start: 51 @19891 has 152 MA's), (Start: 61 @19903 has 25 MA's), (64, 19906), (94, 19957), (106, 19993), (112, 20011), (116, 20029), (120, 20044), (145, 20140), (158, 20206), (160, 20212), (167, 20239), (188, 20308), (197, 20341), (211, 20389), (215, 20407), (231, 20479), (232, 20482), (293, 20716), (302, 20749), (326, 20848), (348, 20923), (356, 20947), (361, 20962),

Gene: Lebo14_26 Start: 20942, Stop: 22039, Start Num: 56
Candidate Starts for Lebo14_26:
(18, 20693), (22, 20720), (36, 20891), (Start: 56 @20942 has 24 MA's), (68, 20954), (112, 21062), (120, 21095), (160, 21251), (167, 21278), (188, 21347), (197, 21380), (209, 21419), (225, 21497),

(232, 21521), (244, 21563), (253, 21590), (300, 21773), (326, 21887), (328, 21896), (361, 22001),

Gene: Lemuria_21 Start: 19002, Stop: 20144, Start Num: 35
Candidate Starts for Lemuria_21:
(30, 18954), (Start: 35 @19002 has 2 MA's), (83, 19104), (105, 19155), (112, 19176), (127, 19251), (160, 19365), (162, 19377), (188, 19464), (192, 19485), (197, 19506), (216, 19581), (268, 19794), (272, 19812), (322, 19995), (328, 20028), (341, 20064), (342, 20067), (360, 20130), (361, 20133),

Gene: Leston_23 Start: 19904, Stop: 20989, Start Num: 58
Candidate Starts for Leston_23:
(37, 19853), (Start: 58 @19904 has 72 MA's), (77, 19940), (85, 19955), (98, 19979), (110, 20018), (128, 20102), (160, 20213), (166, 20237), (167, 20240), (209, 20387), (232, 20492), (293, 20726), (300, 20744), (323, 20840), (328, 20867), (348, 20933),

Gene: Liefie_20 Start: 18860, Stop: 19996, Start Num: 34
Candidate Starts for Liefie_20:
(16, 18656), (30, 18815), (Start: 34 @18860 has 69 MA's), (74, 18938), (75, 18941), (77, 18944), (83, 18956), (94, 18974), (105, 19007), (110, 19022), (127, 19103), (160, 19217), (162, 19229), (188, 19316), (192, 19337), (216, 19433), (237, 19511), (272, 19664), (300, 19757), (322, 19847), (336, 19901), (341, 19916), (342, 19919), (345, 19934), (359, 19979), (360, 19982),

Gene: LilDirt_22 Start: 19631, Stop: 20716, Start Num: 58
Candidate Starts for LilDirt_22:
(37, 19580), (Start: 58 @19631 has 72 MA's), (77, 19667), (85, 19682), (98, 19706), (110, 19745), (128, 19829), (160, 19940), (166, 19964), (167, 19967), (209, 20114), (232, 20219), (293, 20453), (300, 20471), (323, 20567), (328, 20594), (348, 20660), (356, 20684),

Gene: LilHazelnut_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for LilHazelnut_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: LilPharaoh_21 Start: 19023, Stop: 20105, Start Num: 51
Candidate Starts for LilPharaoh_21:
(Start: 51 @19023 has 152 MA's), (85, 19080), (106, 19131), (112, 19149), (116, 19167), (128, 19227), (130, 19233), (158, 19332), (166, 19362), (167, 19365), (181, 19413), (195, 19455), (197, 19467), (232, 19608), (236, 19620), (293, 19842), (314, 19917), (326, 19974), (336, 20004), (348, 20049), (361, 20088),

Gene: LindNT_25 Start: 19448, Stop: 20530, Start Num: 51
Candidate Starts for LindNT_25:
(Start: 51 @19448 has 152 MA's), (106, 19556), (112, 19574), (116, 19592), (166, 19787), (167, 19790), (188, 19859), (209, 19931), (232, 20033), (293, 20267), (308, 20327), (323, 20381), (348, 20474), (361, 20513),

Gene: Llorens_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Llorens_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Lollipop1437_47 Start: 33113, Stop: 34222, Start Num: 58
Candidate Starts for Lollipop1437_47:
(1, 32027), (2, 32060), (4, 32540), (Start: 58 @33113 has 72 MA's), (95, 33173), (117, 33233), (156, 33383), (184, 33503), (193, 33536), (206, 33584), (223, 33671), (230, 33701), (268, 33845), (289, 33929), (328, 34085), (338, 34118), (356, 34181),

Gene: LongHai_24 Start: 18596, Stop: 19696, Start Num: 49
Candidate Starts for LongHai_24:
(Start: 49 @18596 has 4 MA's), (71, 18632), (81, 18659), (88, 18671), (110, 18728), (119, 18761), (120, 18767), (137, 18839), (152, 18887), (215, 19118), (230, 19187), (258, 19295), (267, 19328), (269, 19337), (272, 19352), (281, 19388), (299, 19442), (328, 19568), (356, 19667), (363, 19688),

Gene: LouisV14_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for LouisV14_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Lozinak_56 Start: 34742, Stop: 35824, Start Num: 61
Candidate Starts for Lozinak_56:
(Start: 61 @34742 has 25 MA's), (78, 34781), (89, 34802), (131, 34949), (159, 35039), (165, 35069), (182, 35129), (202, 35198), (265, 35435), (270, 35453), (277, 35486), (289, 35528), (310, 35621), (322, 35666), (340, 35741), (341, 35744), (358, 35804), (359, 35807),

Gene: Luke_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Luke_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Luna22_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Luna22_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Lunahalos_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Lunahalos_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Lysidious_28 Start: 22840, Stop: 23907, Start Num: 55
Candidate Starts for Lysidious_28:
(Start: 55 @22840 has 46 MA's), (73, 22870), (97, 22918), (102, 22933), (115, 22975), (143, 23071), (145, 23080), (160, 23140), (170, 23176), (175, 23197), (190, 23251), (195, 23272), (196, 23278), (205, 23311), (210, 23326), (240, 23452), (266, 23548), (279, 23608), (281, 23614), (292, 23644),

(315, 23725), (361, 23890),

Gene: MOOREtheMARYer_21 Start: 19205, Stop: 20350, Start Num: 34
Candidate Starts for MOOREtheMARYer_21:
(Start: 34 @19205 has 69 MA's), (40, 19220), (74, 19292), (83, 19310), (105, 19361), (110, 19376), (127, 19457), (143, 19502), (162, 19583), (188, 19670), (197, 19712), (216, 19787), (218, 19796), (243, 19898), (326, 20225),

Gene: MacGully_53 Start: 35504, Stop: 36610, Start Num: 58
Candidate Starts for MacGully_53:
(50, 35498), (Start: 58 @35504 has 72 MA's), (72, 35519), (95, 35567), (132, 35696), (133, 35699), (166, 35834), (184, 35897), (192, 35927), (221, 36059), (242, 36137), (265, 36227), (270, 36245), (281, 36296), (285, 36314), (289, 36323), (292, 36329), (323, 36449),

Gene: MacKat_25 Start: 19491, Stop: 20573, Start Num: 51
Candidate Starts for MacKat_25:
(Start: 51 @19491 has 152 MA's), (106, 19599), (112, 19617), (116, 19635), (166, 19830), (167, 19833), (188, 19902), (209, 19974), (232, 20076), (293, 20310), (308, 20370), (323, 20424), (348, 20517), (361, 20556),

Gene: MacnCheese_25 Start: 20145, Stop: 21233, Start Num: 51
Candidate Starts for MacnCheese_25:
(Start: 51 @20145 has 152 MA's), (Start: 61 @20157 has 25 MA's), (64, 20160), (94, 20211), (100, 20223), (106, 20247), (112, 20265), (116, 20283), (120, 20298), (136, 20364), (145, 20394), (158, 20460), (167, 20493), (188, 20562), (197, 20595), (215, 20661), (231, 20733), (232, 20736), (293, 20970), (302, 21003), (326, 21102), (336, 21132), (348, 21177), (356, 21201), (361, 21216),

Gene: Maco6_21 Start: 17553, Stop: 18653, Start Num: 49
Candidate Starts for Maco6_21:
(Start: 49 @17553 has 4 MA's), (71, 17589), (81, 17616), (88, 17628), (110, 17685), (119, 17718), (120, 17724), (137, 17796), (215, 18075), (258, 18252), (267, 18285), (269, 18294), (272, 18309), (281, 18345), (299, 18399), (328, 18525), (339, 18564), (356, 18624), (363, 18645),

Gene: MakCheese_22 Start: 18216, Stop: 19319, Start Num: 62
Candidate Starts for MakCheese_22:
(Start: 62 @18216 has 27 MA's), (88, 18270), (116, 18351), (181, 18600), (199, 18660), (209, 18693), (226, 18768), (271, 18945), (275, 18963), (276, 18966), (286, 19011), (291, 19023), (298, 19056), (302, 19077), (323, 19173), (338, 19224), (339, 19230), (363, 19311),

Gene: Malachai_28 Start: 22800, Stop: 23867, Start Num: 55
Candidate Starts for Malachai_28:
(Start: 55 @22800 has 46 MA's), (73, 22830), (97, 22878), (102, 22893), (115, 22935), (116, 22938), (118, 22944), (139, 23022), (143, 23031), (145, 23040), (160, 23100), (190, 23211), (195, 23232), (196, 23238), (205, 23271), (210, 23286), (240, 23412), (252, 23448), (266, 23508), (279, 23568), (281, 23574), (292, 23604), (315, 23685), (361, 23850),

Gene: MalagasyRose_26 Start: 19070, Stop: 20185, Start Num: 52
Candidate Starts for MalagasyRose_26:
(44, 19046), (Start: 52 @19070 has 1 MA's), (Start: 61 @19079 has 25 MA's), (74, 19106), (117, 19217), (122, 19235), (135, 19292), (149, 19346), (166, 19436), (169, 19442), (171, 19445), (183, 19493), (184, 19496), (195, 19523), (221, 19637), (224, 19649), (230, 19670), (247, 19721), (253, 19739), (274, 19835), (275, 19838), (282, 19871), (287, 19889), (293, 19904), (302, 19937), (314, 19979), (328, 20045), (339, 20084), (356, 20144), (360, 20156), (361, 20159),

Gene: Maliketh_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Maliketh_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Malthus_27 Start: 20849, Stop: 21946, Start Num: 56
Candidate Starts for Malthus_27:
(18, 20600), (22, 20627), (36, 20798), (Start: 56 @20849 has 24 MA's), (68, 20861), (112, 20969), (120, 21002), (160, 21158), (167, 21185), (188, 21254), (197, 21287), (225, 21404), (232, 21428), (244, 21470), (253, 21497), (300, 21680), (326, 21794), (328, 21803), (361, 21908),

Gene: Manilisa_29 Start: 23389, Stop: 24453, Start Num: 66
Candidate Starts for Manilisa_29:
(41, 23338), (Start: 66 @23389 has 5 MA's), (81, 23422), (92, 23440), (106, 23479), (107, 23482), (110, 23491), (119, 23524), (120, 23530), (197, 23818), (209, 23857), (227, 23944), (242, 23992), (248, 24010), (265, 24085), (278, 24136), (290, 24181), (293, 24184), (328, 24331), (339, 24361), (358, 24427), (364, 24445),

Gene: Marcoliusprime_21 Start: 17339, Stop: 18418, Start Num: 51
Candidate Starts for Marcoliusprime_21:
(27, 17198), (Start: 51 @17339 has 152 MA's), (98, 17414), (106, 17441), (110, 17453), (112, 17459), (120, 17492), (167, 17675), (181, 17723), (188, 17744), (211, 17825), (232, 17918), (240, 17945), (253, 17987), (258, 18020), (293, 18152), (314, 18227), (323, 18266), (328, 18293),

Gene: Marietta_44 Start: 29547, Stop: 30662, Start Num: 62
Candidate Starts for Marietta_44:
(Start: 62 @29547 has 27 MA's), (80, 29589), (95, 29613), (111, 29649), (123, 29697), (133, 29745), (174, 29898), (203, 30015), (221, 30105), (223, 30111), (270, 30291), (277, 30324), (284, 30357), (289, 30369), (328, 30525), (343, 30579), (347, 30594), (356, 30621),

Gene: MarkPhew_25 Start: 18605, Stop: 19687, Start Num: 51
Candidate Starts for MarkPhew_25:
(Start: 51 @18605 has 152 MA's), (106, 18713), (112, 18731), (120, 18764), (128, 18809), (158, 18914), (166, 18944), (167, 18947), (188, 19016), (209, 19088), (211, 19097), (238, 19211), (240, 19217), (293, 19424), (322, 19532), (323, 19538), (328, 19565), (361, 19670),

Gene: Marmie_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Marmie_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Marshawn_26 Start: 19229, Stop: 20311, Start Num: 51
Candidate Starts for Marshawn_26:
(Start: 51 @19229 has 152 MA's), (85, 19286), (106, 19337), (112, 19355), (128, 19433), (141, 19472), (160, 19544), (166, 19568), (167, 19571), (188, 19640), (191, 19652), (209, 19712), (232, 19814), (240, 19841), (293, 20048), (323, 20162), (356, 20279),

Gene: Maselop_46 Start: 32981, Stop: 34087, Start Num: 58

Candidate Starts for Maselop_46:
(Start: 58 @32981 has 72 MA's), (111, 33080), (132, 33173), (133, 33176), (143, 33206), (166, 33311), (172, 33323), (184, 33374), (221, 33536), (224, 33548), (242, 33614), (270, 33722), (279, 33767), (281, 33773), (285, 33791), (289, 33800), (292, 33806), (316, 33902), (319, 33911), (323, 33926), (330, 33965),

Gene: McMater_25 Start: 18838, Stop: 19920, Start Num: 51
Candidate Starts for McMater_25:
(Start: 51 @18838 has 152 MA's), (106, 18946), (112, 18964), (116, 18982), (158, 19147), (166, 19177), (167, 19180), (181, 19228), (197, 19282), (236, 19435), (272, 19582), (293, 19657), (314, 19732), (348, 19864), (356, 19888), (361, 19903),

Gene: Mdavu_21 Start: 19011, Stop: 20093, Start Num: 51
Candidate Starts for Mdavu_21:
(Start: 51 @19011 has 152 MA's), (85, 19068), (106, 19119), (112, 19137), (116, 19155), (128, 19215), (130, 19221), (158, 19320), (166, 19350), (167, 19353), (181, 19401), (195, 19443), (197, 19455), (232, 19596), (236, 19608), (293, 19830), (314, 19905), (326, 19962), (336, 19992), (348, 20037), (361, 20076),

Gene: MeaningOfLife_25 Start: 19450, Stop: 20532, Start Num: 51
Candidate Starts for MeaningOfLife_25:
(Start: 51 @19450 has 152 MA's), (106, 19558), (112, 19576), (116, 19594), (166, 19789), (167, 19792), (188, 19861), (209, 19933), (232, 20035), (293, 20269), (308, 20329), (323, 20383), (348, 20476), (361, 20515),

Gene: Megsy_25 Start: 19451, Stop: 20533, Start Num: 51
Candidate Starts for Megsy_25:
(Start: 51 @19451 has 152 MA's), (106, 19559), (112, 19577), (166, 19790), (167, 19793), (188, 19862), (209, 19934), (232, 20036), (293, 20270), (308, 20330), (323, 20384), (348, 20477), (361, 20516),

Gene: Melba_27 Start: 22319, Stop: 23386, Start Num: 55
Candidate Starts for Melba_27:
(Start: 55 @22319 has 46 MA's), (73, 22349), (97, 22397), (102, 22412), (115, 22454), (116, 22457), (118, 22463), (139, 22541), (143, 22550), (145, 22559), (160, 22619), (170, 22655), (191, 22733), (195, 22751), (196, 22757), (205, 22790), (210, 22805), (240, 22931), (266, 23027), (281, 23093), (292, 23123), (361, 23369),

Gene: Mellie_26 Start: 22080, Stop: 23147, Start Num: 55
Candidate Starts for Mellie_26:
(Start: 55 @22080 has 46 MA's), (73, 22110), (97, 22158), (102, 22173), (115, 22215), (143, 22311), (145, 22320), (160, 22380), (170, 22416), (175, 22437), (190, 22491), (195, 22512), (196, 22518), (205, 22551), (210, 22566), (240, 22692), (266, 22788), (279, 22848), (281, 22854), (292, 22884), (361, 23130),

Gene: MerCougar_43 Start: 32394, Stop: 33503, Start Num: 58
Candidate Starts for MerCougar_43:
(Start: 58 @32394 has 72 MA's), (95, 32454), (132, 32583), (133, 32586), (156, 32664), (174, 32739), (193, 32817), (223, 32952), (230, 32982), (244, 33030), (256, 33078), (281, 33183), (297, 33237), (323, 33339), (338, 33399),

Gene: Mercurio_22 Start: 19624, Stop: 20760, Start Num: 35
Candidate Starts for Mercurio_22:

(9, 19333), (16, 19417), (Start: 35 @19624 has 2 MA's), (45, 19651), (65, 19681), (74, 19702), (83, 19720), (105, 19771), (112, 19792), (127, 19867), (162, 19993), (188, 20080), (192, 20101), (197, 20122), (216, 20197), (268, 20410), (272, 20428), (322, 20611), (326, 20635), (341, 20680), (342, 20683), (360, 20746), (361, 20749),

Gene: Meyran_27 Start: 23460, Stop: 24524, Start Num: 66
Candidate Starts for Meyran_27:
(Start: 66 @23460 has 5 MA's), (85, 23499), (106, 23550), (107, 23553), (117, 23589), (119, 23595), (120, 23601), (197, 23889), (209, 23928), (225, 24009), (227, 24015), (235, 24042), (242, 24063), (248, 24081), (265, 24156), (290, 24252), (293, 24255), (328, 24402), (339, 24432), (358, 24498), (364, 24516),

Gene: Milly_21 Start: 17339, Stop: 18418, Start Num: 51
Candidate Starts for Milly_21:
(27, 17198), (Start: 51 @17339 has 152 MA's), (98, 17414), (106, 17441), (110, 17453), (112, 17459), (120, 17492), (167, 17675), (181, 17723), (188, 17744), (211, 17825), (232, 17918), (240, 17945), (253, 17987), (258, 18020), (293, 18152), (314, 18227), (323, 18266), (328, 18293),

Gene: MintFen_27 Start: 22319, Stop: 23386, Start Num: 55
Candidate Starts for MintFen_27:
(Start: 55 @22319 has 46 MA's), (73, 22349), (97, 22397), (102, 22412), (115, 22454), (116, 22457), (118, 22463), (139, 22541), (143, 22550), (145, 22559), (160, 22619), (170, 22655), (191, 22733), (195, 22751), (196, 22757), (205, 22790), (210, 22805), (240, 22931), (266, 23027), (281, 23093), (292, 23123), (361, 23369),

Gene: Miryou_23 Start: 19759, Stop: 20844, Start Num: 58
Candidate Starts for Miryou_23:
(37, 19708), (Start: 58 @19759 has 72 MA's), (77, 19795), (85, 19810), (98, 19834), (110, 19873), (128, 19957), (158, 20062), (160, 20068), (166, 20092), (167, 20095), (209, 20242), (231, 20344), (232, 20347), (293, 20581), (300, 20599), (323, 20695), (328, 20722), (348, 20788), (356, 20812),

Gene: Miskis_53 Start: 34047, Stop: 35129, Start Num: 61
Candidate Starts for Miskis_53:
(Start: 61 @34047 has 25 MA's), (78, 34086), (89, 34107), (131, 34254), (159, 34344), (165, 34374), (182, 34434), (202, 34503), (265, 34740), (270, 34758), (277, 34791), (289, 34833), (310, 34926), (322, 34971), (340, 35046), (341, 35049), (358, 35109), (359, 35112),

Gene: MissDaisy_26 Start: 20688, Stop: 21785, Start Num: 56
Candidate Starts for MissDaisy_26:
(18, 20439), (22, 20466), (36, 20637), (Start: 56 @20688 has 24 MA's), (68, 20700), (112, 20808), (120, 20841), (148, 20943), (158, 20991), (160, 20997), (188, 21093), (197, 21126), (203, 21147), (225, 21243), (232, 21267), (244, 21309), (253, 21336), (300, 21519), (326, 21633), (328, 21642), (361, 21747),

Gene: MissRona_29 Start: 22628, Stop: 23695, Start Num: 55
Candidate Starts for MissRona_29:
(Start: 55 @22628 has 46 MA's), (73, 22658), (97, 22706), (102, 22721), (115, 22763), (116, 22766), (118, 22772), (143, 22859), (145, 22868), (160, 22928), (170, 22964), (175, 22985), (190, 23039), (195, 23060), (196, 23066), (205, 23099), (210, 23114), (240, 23240), (266, 23336), (279, 23396), (281, 23402), (292, 23432), (315, 23513), (361, 23678),

Gene: Mitti_26 Start: 20849, Stop: 21946, Start Num: 56
Candidate Starts for Mitti_26:

(18, 20600), (22, 20627), (36, 20798), (Start: 56 @20849 has 24 MA's), (68, 20861), (112, 20969), (120, 21002), (160, 21158), (167, 21185), (188, 21254), (197, 21287), (209, 21326), (225, 21404), (232, 21428), (244, 21470), (253, 21497), (300, 21680), (326, 21794), (328, 21803), (361, 21908),

Gene: Mollymur_37 Start: 33053, Stop: 34123, Start Num: 61
Candidate Starts for Mollymur_37:
(Start: 61 @33053 has 25 MA's), (116, 33188), (129, 33254), (189, 33449), (202, 33506), (248, 33671), (289, 33833), (292, 33839), (347, 34067),

Gene: Mowgli_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Mowgli_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Muddy_23 Start: 18503, Stop: 19603, Start Num: 49
Candidate Starts for Muddy_23:
(Start: 49 @18503 has 4 MA's), (71, 18539), (81, 18566), (88, 18578), (110, 18635), (119, 18668), (120, 18674), (137, 18746), (152, 18794), (215, 19025), (258, 19202), (267, 19235), (269, 19244), (272, 19259), (281, 19295), (299, 19349), (328, 19475), (339, 19514), (356, 19574), (363, 19595),

Gene: Mufasa_21 Start: 17359, Stop: 18438, Start Num: 51
Candidate Starts for Mufasa_21:
(27, 17218), (Start: 51 @17359 has 152 MA's), (98, 17434), (106, 17461), (112, 17479), (120, 17512), (167, 17695), (188, 17764), (197, 17797), (232, 17938), (240, 17965), (253, 18007), (258, 18040), (293, 18172), (314, 18247), (323, 18286), (328, 18313),

Gene: Mulch_24 Start: 19505, Stop: 20605, Start Num: 62
Candidate Starts for Mulch_24:
(Start: 62 @19505 has 27 MA's), (88, 19556), (116, 19637), (173, 19850), (181, 19886), (213, 19994), (237, 20081), (267, 20216), (276, 20252), (278, 20261), (286, 20297), (302, 20363), (311, 20408), (323, 20459), (328, 20486), (335, 20504), (358, 20582), (363, 20597),

Gene: Murp_28 Start: 22578, Stop: 23645, Start Num: 55
Candidate Starts for Murp_28:
(Start: 55 @22578 has 46 MA's), (97, 22656), (102, 22671), (115, 22713), (118, 22722), (145, 22818), (160, 22878), (170, 22914), (175, 22935), (190, 22989), (195, 23010), (196, 23016), (203, 23043), (210, 23064), (240, 23190), (259, 23262), (281, 23352), (292, 23382), (327, 23517), (332, 23538), (341, 23559), (361, 23628),

Gene: Murucutumbu_25 Start: 19434, Stop: 20516, Start Num: 51
Candidate Starts for Murucutumbu_25:
(Start: 51 @19434 has 152 MA's), (106, 19542), (112, 19560), (116, 19578), (158, 19743), (166, 19773), (167, 19776), (188, 19845), (197, 19878), (209, 19917), (232, 20019), (300, 20271), (308, 20313), (323, 20367), (348, 20460), (361, 20499),

Gene: Mynx_25 Start: 19497, Stop: 20579, Start Num: 51
Candidate Starts for Mynx_25:
(Start: 51 @19497 has 152 MA's), (106, 19605), (112, 19623), (116, 19641), (166, 19836), (167, 19839), (188, 19908), (209, 19980), (224, 20055), (232, 20082), (293, 20316), (308, 20376), (323, 20430), (348, 20523), (361, 20562),

Gene: Nadeem_24 Start: 19505, Stop: 20605, Start Num: 62
Candidate Starts for Nadeem_24:
(Start: 62 @19505 has 27 MA's), (88, 19556), (116, 19637), (173, 19850), (181, 19886), (213, 19994), (237, 20081), (267, 20216), (276, 20252), (278, 20261), (286, 20297), (302, 20363), (311, 20408), (323, 20459), (328, 20486), (335, 20504), (358, 20582), (363, 20597),

Gene: NadineRae_42 Start: 28800, Stop: 29915, Start Num: 62
Candidate Starts for NadineRae_42:
(Start: 62 @28800 has 27 MA's), (80, 28842), (95, 28866), (111, 28902), (123, 28950), (133, 28998), (174, 29151), (217, 29340), (221, 29358), (223, 29364), (270, 29544), (277, 29577), (284, 29610), (289, 29622), (328, 29778), (343, 29832), (347, 29847), (356, 29874),

Gene: NancyRae_24 Start: 19511, Stop: 20611, Start Num: 62
Candidate Starts for NancyRae_24:
(Start: 62 @19511 has 27 MA's), (88, 19562), (116, 19643), (173, 19856), (181, 19892), (213, 20000), (237, 20087), (267, 20222), (276, 20258), (278, 20267), (286, 20303), (302, 20369), (311, 20414), (323, 20465), (328, 20492), (335, 20510), (358, 20588), (363, 20603),

Gene: NatB6_42 Start: 31530, Stop: 32657, Start Num: 58
Candidate Starts for NatB6_42:
(Start: 58 @31530 has 72 MA's), (111, 31635), (156, 31809), (174, 31884), (193, 31962), (201, 31995), (218, 32076), (226, 32121), (232, 32142), (241, 32175), (257, 32235), (347, 32589), (358, 32622),

Gene: Neighly_24 Start: 19674, Stop: 20759, Start Num: 58
Candidate Starts for Neighly_24:
(37, 19623), (Start: 58 @19674 has 72 MA's), (77, 19710), (85, 19725), (98, 19749), (110, 19788), (128, 19872), (160, 19983), (166, 20007), (167, 20010), (209, 20157), (232, 20262), (275, 20430), (293, 20496), (300, 20514), (301, 20526), (328, 20637), (348, 20703),

Gene: Neoh_20 Start: 18853, Stop: 19989, Start Num: 34
Candidate Starts for Neoh_20:
(16, 18649), (30, 18808), (Start: 34 @18853 has 69 MA's), (74, 18931), (75, 18934), (77, 18937), (83, 18949), (94, 18967), (105, 19000), (110, 19015), (127, 19096), (160, 19210), (162, 19222), (188, 19309), (192, 19330), (216, 19426), (237, 19504), (272, 19657), (300, 19750), (322, 19840), (336, 19894), (341, 19909), (342, 19912), (345, 19927), (359, 19972), (360, 19975),

Gene: Nergal_24 Start: 19590, Stop: 20708, Start Num: 51
Candidate Starts for Nergal_24:
(Start: 51 @19590 has 152 MA's), (Start: 61 @19602 has 25 MA's), (74, 19629), (97, 19671), (106, 19701), (116, 19737), (121, 19755), (122, 19758), (135, 19815), (149, 19869), (155, 19914), (169, 19965), (171, 19968), (184, 20019), (198, 20061), (199, 20064), (230, 20193), (239, 20226), (247, 20244), (253, 20262), (273, 20355), (328, 20571), (338, 20604), (339, 20610), (359, 20679),

Gene: Nibb_24 Start: 18746, Stop: 19828, Start Num: 51
Candidate Starts for Nibb_24:
(Start: 51 @18746 has 152 MA's), (85, 18803), (98, 18827), (106, 18854), (112, 18872), (120, 18905), (121, 18908), (128, 18950), (158, 19055), (166, 19085), (167, 19088), (188, 19157), (209, 19229), (232, 19331), (238, 19352), (240, 19358), (293, 19565), (322, 19673), (323, 19679), (328, 19706), (361, 19811),

Gene: Nikao_21 Start: 19023, Stop: 20105, Start Num: 51
Candidate Starts for Nikao_21:

(Start: 51 @19023 has 152 MA's), (85, 19080), (106, 19131), (112, 19149), (116, 19167), (128, 19227), (130, 19233), (158, 19332), (166, 19362), (167, 19365), (181, 19413), (195, 19455), (197, 19467), (232, 19608), (236, 19620), (293, 19842), (314, 19917), (326, 19974), (336, 20004), (348, 20049), (361, 20088),

Gene: Niklas_25 Start: 18841, Stop: 19923, Start Num: 51
Candidate Starts for Niklas_25:
(Start: 51 @18841 has 152 MA's), (106, 18949), (112, 18967), (116, 18985), (158, 19150), (166, 19180), (167, 19183), (181, 19231), (197, 19285), (236, 19438), (272, 19585), (293, 19660), (314, 19735), (348, 19867), (356, 19891), (361, 19906),

Gene: NoShow_20 Start: 17782, Stop: 18882, Start Num: 63
Candidate Starts for NoShow_20:
(Start: 63 @17782 has 2 MA's), (77, 17815), (85, 17830), (106, 17881), (110, 17893), (113, 17902), (119, 17926), (127, 17974), (141, 18010), (181, 18166), (195, 18217), (197, 18229), (209, 18268), (211, 18277), (222, 18337), (269, 18520), (321, 18715), (323, 18724), (328, 18751), (359, 18859),

Gene: Norvs_56 Start: 34286, Stop: 35368, Start Num: 61
Candidate Starts for Norvs_56:
(Start: 61 @34286 has 25 MA's), (78, 34325), (89, 34346), (131, 34493), (159, 34583), (165, 34613), (182, 34673), (202, 34742), (265, 34979), (270, 34997), (277, 35030), (289, 35072), (310, 35165), (322, 35210), (340, 35285), (341, 35288), (358, 35348), (359, 35351),

Gene: NosilaM_45 Start: 32109, Stop: 33218, Start Num: 58
Candidate Starts for NosilaM_45:
(Start: 58 @32109 has 72 MA's), (95, 32169), (132, 32298), (133, 32301), (144, 32337), (156, 32379), (170, 32445), (174, 32454), (223, 32667), (224, 32673), (230, 32697), (244, 32745), (256, 32793), (281, 32898), (284, 32913), (301, 32964), (323, 33054), (338, 33114),

Gene: November_23 Start: 19811, Stop: 20893, Start Num: 51
Candidate Starts for November_23:
(Start: 51 @19811 has 152 MA's), (94, 19883), (106, 19919), (112, 19937), (143, 20057), (157, 20117), (166, 20150), (167, 20153), (188, 20222), (197, 20255), (207, 20288), (231, 20393), (232, 20396), (293, 20630), (336, 20792), (356, 20861),

Gene: NovoPizza_23 Start: 20727, Stop: 21830, Start Num: 67
Candidate Starts for NovoPizza_23:
(Start: 67 @20727 has 23 MA's), (113, 20841), (116, 20856), (117, 20859), (118, 20862), (119, 20865), (160, 21024), (169, 21054), (181, 21099), (186, 21114), (188, 21120), (209, 21192), (221, 21255), (232, 21288), (251, 21366), (291, 21537), (294, 21546), (338, 21735), (351, 21786), (358, 21807), (363, 21822),

Gene: NovumRegina_42 Start: 31860, Stop: 32987, Start Num: 58
Candidate Starts for NovumRegina_42:
(Start: 58 @31860 has 72 MA's), (111, 31965), (151, 32121), (174, 32214), (193, 32292), (201, 32325), (218, 32406), (226, 32451), (232, 32472), (237, 32487), (241, 32505), (257, 32565), (347, 32919), (358, 32952),

Gene: Nutello_21 Start: 19023, Stop: 20105, Start Num: 51
Candidate Starts for Nutello_21:
(Start: 51 @19023 has 152 MA's), (85, 19080), (106, 19131), (112, 19149), (116, 19167), (128, 19227), (130, 19233), (158, 19332), (166, 19362), (167, 19365), (181, 19413), (195, 19455), (197, 19467), (232, 19608), (236, 19620), (293, 19842), (314, 19917), (326, 19974), (336, 20004), (348, 20049),

(361, 20088),

Gene: Nyceirae_29 Start: 23200, Stop: 24264, Start Num: 66
Candidate Starts for Nyceirae_29:
(Start: 66 @23200 has 5 MA's), (81, 23233), (92, 23251), (106, 23290), (107, 23293), (117, 23329), (119, 23335), (120, 23341), (197, 23629), (209, 23668), (214, 23695), (227, 23755), (235, 23782), (242, 23803), (248, 23821), (265, 23896), (275, 23935), (278, 23947), (290, 23992), (293, 23995), (328, 24142), (339, 24172), (358, 24238), (364, 24256),

Gene: OBUpride_24 Start: 19744, Stop: 20847, Start Num: 67
Candidate Starts for OBUpride_24:
(15, 19477), (Start: 67 @19744 has 23 MA's), (110, 19849), (112, 19855), (113, 19858), (116, 19873), (117, 19876), (118, 19879), (119, 19882), (121, 19891), (144, 19975), (150, 19990), (160, 20041), (179, 20110), (181, 20116), (185, 20128), (188, 20137), (209, 20209), (221, 20272), (231, 20302), (232, 20305), (254, 20401), (263, 20440), (266, 20455), (291, 20554), (294, 20563), (309, 20635), (326, 20719), (338, 20752), (339, 20758), (363, 20839),

Gene: Obliviate_27 Start: 22235, Stop: 23302, Start Num: 55
Candidate Starts for Obliviate_27:
(Start: 55 @22235 has 46 MA's), (73, 22265), (97, 22313), (102, 22328), (115, 22370), (139, 22457), (143, 22466), (145, 22475), (160, 22535), (170, 22571), (195, 22667), (196, 22673), (203, 22700), (210, 22721), (268, 22952), (281, 23009), (292, 23039), (341, 23216), (361, 23285),

Gene: OctaviousRex_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for OctaviousRex_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: OkiRoe_23 Start: 19775, Stop: 20860, Start Num: 58
Candidate Starts for OkiRoe_23:
(37, 19724), (Start: 58 @19775 has 72 MA's), (77, 19811), (85, 19826), (98, 19850), (110, 19889), (128, 19973), (160, 20084), (166, 20108), (167, 20111), (209, 20258), (232, 20363), (293, 20597), (300, 20615), (323, 20711), (328, 20738), (348, 20804),

Gene: Olga_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Olga_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: OmniCritical_26 Start: 20834, Stop: 21931, Start Num: 56
Candidate Starts for OmniCritical_26:
(18, 20585), (22, 20612), (36, 20783), (Start: 56 @20834 has 24 MA's), (68, 20846), (112, 20954), (120, 20987), (160, 21143), (167, 21170), (188, 21239), (197, 21272), (209, 21311), (225, 21389), (232, 21413), (244, 21455), (253, 21482), (300, 21665), (326, 21779), (328, 21788), (361, 21893),

Gene: Omnicron_24 Start: 18594, Stop: 19679, Start Num: 58
Candidate Starts for Omnicron_24:
(37, 18543), (Start: 58 @18594 has 72 MA's), (77, 18630), (85, 18645), (98, 18669), (110, 18708), (128, 18792), (160, 18903), (166, 18927), (167, 18930), (179, 18972), (209, 19077), (232, 19182),

(293, 19416), (300, 19434), (301, 19446), (323, 19530), (328, 19557), (345, 19611), (348, 19623), (356, 19647),

Gene: OneUp_49 Start: 31683, Stop: 32762, Start Num: 61
Candidate Starts for OneUp_49:
(Start: 61 @31683 has 25 MA's), (116, 31818), (131, 31887), (146, 31926), (159, 31977), (164, 32004), (175, 32040), (202, 32136), (280, 32439), (281, 32442), (289, 32466), (295, 32484),

Gene: Oscar_24 Start: 18718, Stop: 19800, Start Num: 51
Candidate Starts for Oscar_24:
(Start: 51 @18718 has 152 MA's), (70, 18739), (85, 18775), (98, 18799), (106, 18826), (112, 18844), (120, 18877), (121, 18880), (166, 19057), (167, 19060), (188, 19129), (209, 19201), (232, 19303), (275, 19471), (293, 19537), (323, 19651), (328, 19678), (333, 19690), (361, 19783),

Gene: Outis_43 Start: 32088, Stop: 33197, Start Num: 58
Candidate Starts for Outis_43:
(Start: 58 @32088 has 72 MA's), (95, 32148), (132, 32277), (133, 32280), (156, 32358), (174, 32433), (193, 32511), (223, 32646), (230, 32676), (244, 32724), (256, 32772), (281, 32877), (297, 32931), (323, 33033), (338, 33093),

Gene: P3MA_20 Start: 16641, Stop: 17693, Start Num: 59
Candidate Starts for P3MA_20:
(54, 16635), (Start: 59 @16641 has 1 MA's), (78, 16677), (87, 16695), (91, 16701), (102, 16728), (116, 16776), (128, 16836), (160, 16941), (161, 16947), (179, 17010), (197, 17055), (244, 17238), (268, 17340), (282, 17400), (284, 17409), (293, 17436), (300, 17454), (305, 17490), (313, 17508), (322, 17544), (323, 17550), (324, 17556), (338, 17601), (346, 17637), (361, 17673),

Gene: PCoral7_28 Start: 22551, Stop: 23615, Start Num: 55
Candidate Starts for PCoral7_28:
(Start: 55 @22551 has 46 MA's), (97, 22629), (104, 22650), (115, 22686), (116, 22689), (118, 22695), (160, 22851), (170, 22887), (175, 22908), (179, 22926), (195, 22980), (196, 22986), (210, 23034), (240, 23160), (279, 23316), (281, 23322), (292, 23352), (327, 23487), (337, 23520), (341, 23529), (356, 23583), (361, 23598), (363, 23604),

Gene: Pace1224_20 Start: 19051, Stop: 20202, Start Num: 34
Candidate Starts for Pace1224_20:
(Start: 34 @19051 has 69 MA's), (74, 19144), (83, 19162), (98, 19189), (105, 19213), (110, 19228), (127, 19309), (128, 19312), (162, 19435), (188, 19522), (197, 19564), (216, 19639), (231, 19699), (233, 19708), (249, 19768), (268, 19852), (272, 19870), (342, 20125),

Gene: Padfoot_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Padfoot_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Padpat_25 Start: 19474, Stop: 20556, Start Num: 51
Candidate Starts for Padpat_25:
(Start: 51 @19474 has 152 MA's), (106, 19582), (112, 19600), (116, 19618), (166, 19813), (167, 19816), (188, 19885), (209, 19957), (224, 20032), (232, 20059), (293, 20293), (308, 20353), (323, 20407), (348, 20500), (361, 20539),

Gene: Paito_20 Start: 19063, Stop: 20199, Start Num: 34

Candidate Starts for Paito_20:
(16, 18859), (30, 19018), (Start: 34 @19063 has 69 MA's), (74, 19141), (75, 19144), (83, 19159), (94, 19177), (97, 19183), (105, 19210), (110, 19225), (112, 19231), (127, 19306), (160, 19420), (162, 19432), (188, 19519), (192, 19540), (197, 19561), (216, 19636), (233, 19705), (322, 20050), (344, 20134), (359, 20182), (360, 20185),

Gene: Paola_23 Start: 19774, Stop: 20859, Start Num: 58
Candidate Starts for Paola_23:
(37, 19723), (Start: 58 @19774 has 72 MA's), (77, 19810), (85, 19825), (98, 19849), (110, 19888), (128, 19972), (160, 20083), (166, 20107), (167, 20110), (209, 20257), (232, 20362), (293, 20596), (300, 20614), (323, 20710), (328, 20737), (348, 20803),

Gene: Parada_24 Start: 19505, Stop: 20605, Start Num: 62
Candidate Starts for Parada_24:
(Start: 62 @19505 has 27 MA's), (88, 19556), (116, 19637), (173, 19850), (181, 19886), (213, 19994), (237, 20081), (267, 20216), (276, 20252), (278, 20261), (286, 20297), (302, 20363), (311, 20408), (323, 20459), (328, 20486), (335, 20504), (358, 20582), (363, 20597),

Gene: Patio_45 Start: 32349, Stop: 33458, Start Num: 58
Candidate Starts for Patio_45:
(1, 31263), (4, 31776), (Start: 58 @32349 has 72 MA's), (95, 32409), (117, 32469), (156, 32619), (184, 32739), (193, 32772), (206, 32820), (223, 32907), (230, 32937), (268, 33081), (289, 33165), (328, 33321), (356, 33417),

Gene: Patt_26 Start: 20667, Stop: 21764, Start Num: 56
Candidate Starts for Patt_26:
(18, 20418), (22, 20445), (36, 20616), (Start: 56 @20667 has 24 MA's), (68, 20679), (112, 20787), (120, 20820), (148, 20922), (158, 20970), (160, 20976), (188, 21072), (197, 21105), (203, 21126), (225, 21222), (232, 21246), (244, 21288), (253, 21315), (300, 21498), (326, 21612), (328, 21621), (361, 21726),

Gene: Peanam_25 Start: 18838, Stop: 19920, Start Num: 51
Candidate Starts for Peanam_25:
(Start: 51 @18838 has 152 MA's), (106, 18946), (112, 18964), (116, 18982), (158, 19147), (166, 19177), (167, 19180), (181, 19228), (197, 19282), (236, 19435), (272, 19582), (293, 19657), (314, 19732), (348, 19864), (356, 19888), (361, 19903),

Gene: Peeb_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Peeb_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Peel_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Peel_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Pemberton_46 Start: 29540, Stop: 30655, Start Num: 62
Candidate Starts for Pemberton_46:

(Start: 62 @29540 has 27 MA's), (80, 29582), (95, 29606), (111, 29642), (123, 29690), (133, 29738), (174, 29891), (221, 30098), (223, 30104), (270, 30284), (277, 30317), (284, 30350), (289, 30362), (328, 30518), (338, 30551), (347, 30587), (356, 30614),

Gene: Periodt_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Periodt_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Petra_29 Start: 22304, Stop: 23371, Start Num: 55
Candidate Starts for Petra_29:
(Start: 55 @22304 has 46 MA's), (97, 22382), (115, 22439), (116, 22442), (118, 22448), (145, 22544), (160, 22604), (170, 22640), (175, 22661), (190, 22715), (195, 22736), (196, 22742), (203, 22769), (210, 22790), (240, 22916), (259, 22988), (281, 23078), (292, 23108), (327, 23243), (332, 23264), (341, 23285), (361, 23354),

Gene: Pharb_24 Start: 19749, Stop: 20837, Start Num: 51
Candidate Starts for Pharb_24:
(Start: 51 @19749 has 152 MA's), (Start: 61 @19761 has 25 MA's), (94, 19815), (106, 19851), (112, 19869), (136, 19968), (145, 19998), (158, 20064), (167, 20097), (188, 20166), (197, 20199), (215, 20265), (231, 20337), (232, 20340), (240, 20367), (293, 20574), (339, 20745), (340, 20748), (348, 20781), (356, 20805), (361, 20820),

Gene: PhelpsODU_24 Start: 18672, Stop: 19775, Start Num: 51
Candidate Starts for PhelpsODU_24:
(Start: 51 @18672 has 152 MA's), (64, 18687), (94, 18744), (106, 18780), (112, 18798), (158, 18981), (166, 19011), (188, 19083), (232, 19257), (240, 19305), (244, 19320), (293, 19512), (322, 19620), (348, 19719), (356, 19743), (361, 19758),

Gene: PhinkBoden_55 Start: 34667, Stop: 35749, Start Num: 61
Candidate Starts for PhinkBoden_55:
(Start: 61 @34667 has 25 MA's), (78, 34706), (89, 34727), (131, 34874), (159, 34964), (165, 34994), (182, 35054), (202, 35123), (265, 35360), (270, 35378), (277, 35411), (289, 35453), (310, 35546), (322, 35591), (340, 35666), (341, 35669), (358, 35729), (359, 35732),

Gene: Phish_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Phish_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Phishy_28 Start: 23118, Stop: 24182, Start Num: 66
Candidate Starts for Phishy_28:
(41, 23067), (Start: 66 @23118 has 5 MA's), (81, 23151), (92, 23169), (106, 23208), (107, 23211), (110, 23220), (117, 23247), (120, 23259), (197, 23547), (209, 23586), (227, 23673), (235, 23700), (242, 23721), (248, 23739), (265, 23814), (278, 23865), (290, 23910), (293, 23913), (328, 24060), (339, 24090), (358, 24156), (364, 24174),

Gene: Phloodle_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Phloodle_20:

(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Phomeo_41 Start: 32129, Stop: 33256, Start Num: 58
Candidate Starts for Phomeo_41:
(Start: 58 @32129 has 72 MA's), (111, 32234), (156, 32408), (174, 32483), (193, 32561), (201, 32594), (218, 32675), (226, 32720), (232, 32741), (241, 32774), (257, 32834), (347, 33188), (358, 33221),

Gene: Phrank_24 Start: 18625, Stop: 19728, Start Num: 51
Candidate Starts for Phrank_24:
(Start: 51 @18625 has 152 MA's), (64, 18640), (94, 18697), (106, 18733), (112, 18751), (158, 18934), (166, 18964), (188, 19036), (232, 19210), (240, 19258), (244, 19273), (253, 19300), (293, 19465), (348, 19672), (356, 19696), (361, 19711),

Gene: Phreak_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Phreak_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: PhrostedPhlake_29 Start: 23012, Stop: 24079, Start Num: 55
Candidate Starts for PhrostedPhlake_29:
(Start: 55 @23012 has 46 MA's), (73, 23042), (97, 23090), (102, 23105), (115, 23147), (116, 23150), (118, 23156), (139, 23234), (143, 23243), (145, 23252), (160, 23312), (170, 23348), (191, 23426), (195, 23444), (196, 23450), (205, 23483), (210, 23498), (240, 23624), (266, 23720), (281, 23786), (292, 23816), (361, 24062),

Gene: Piatt_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Piatt_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Pimento_25 Start: 19202, Stop: 20302, Start Num: 62
Candidate Starts for Pimento_25:
(Start: 62 @19202 has 27 MA's), (88, 19253), (116, 19334), (173, 19547), (181, 19583), (213, 19691), (237, 19778), (267, 19913), (276, 19949), (278, 19958), (286, 19994), (302, 20060), (311, 20105), (323, 20156), (328, 20183), (335, 20201), (358, 20279), (363, 20294),

Gene: PinkYoshi_20 Start: 18852, Stop: 19988, Start Num: 34
Candidate Starts for PinkYoshi_20:
(16, 18648), (30, 18807), (Start: 34 @18852 has 69 MA's), (74, 18930), (75, 18933), (77, 18936), (83, 18948), (94, 18966), (105, 18999), (110, 19014), (127, 19095), (160, 19209), (162, 19221), (188, 19308), (192, 19329), (216, 19425), (237, 19503), (272, 19656), (300, 19749), (322, 19839), (336, 19893), (341, 19908), (342, 19911), (345, 19926), (359, 19971), (360, 19974),

Gene: Pinnie_21 Start: 19612, Stop: 20757, Start Num: 34
Candidate Starts for Pinnie_21:
(Start: 34 @19612 has 69 MA's), (40, 19627), (74, 19699), (83, 19717), (105, 19768), (110, 19783), (127, 19864), (162, 19990), (188, 20077), (192, 20098), (197, 20119), (216, 20194), (233, 20263),

(243, 20305), (275, 20434), (303, 20545), (326, 20632), (336, 20662),

Gene: Pipp_27 Start: 22310, Stop: 23377, Start Num: 55
Candidate Starts for Pipp_27:
(Start: 55 @22310 has 46 MA's), (73, 22340), (97, 22388), (102, 22403), (104, 22409), (115, 22445), (116, 22448), (143, 22541), (160, 22610), (170, 22646), (195, 22742), (196, 22748), (203, 22775), (210, 22796), (259, 22994), (266, 23018), (279, 23078), (281, 23084), (292, 23114), (293, 23120), (341, 23291), (361, 23360),

Gene: Pisa1_24 Start: 19552, Stop: 20634, Start Num: 51
Candidate Starts for Pisa1_24:
(Start: 51 @19552 has 152 MA's), (106, 19660), (112, 19678), (116, 19696), (166, 19891), (167, 19894), (188, 19963), (232, 20137), (293, 20371), (301, 20401), (308, 20431), (323, 20485), (348, 20578),

Gene: Pisa4_24 Start: 19552, Stop: 20634, Start Num: 51
Candidate Starts for Pisa4_24:
(Start: 51 @19552 has 152 MA's), (106, 19660), (112, 19678), (116, 19696), (166, 19891), (167, 19894), (188, 19963), (232, 20137), (293, 20371), (301, 20401), (308, 20431), (323, 20485), (348, 20578),

Gene: Pixie_24 Start: 19682, Stop: 20770, Start Num: 51
Candidate Starts for Pixie_24:
(Start: 51 @19682 has 152 MA's), (Start: 61 @19694 has 25 MA's), (64, 19697), (94, 19748), (106, 19784), (112, 19802), (116, 19820), (120, 19835), (145, 19931), (158, 19997), (167, 20030), (188, 20099), (197, 20132), (215, 20198), (231, 20270), (232, 20273), (293, 20507), (302, 20540), (326, 20639), (348, 20714), (356, 20738), (361, 20753),

Gene: Plagueis_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Plagueis_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Pleakley_51 Start: 32339, Stop: 33457, Start Num: 49
Candidate Starts for Pleakley_51:
(Start: 49 @32339 has 4 MA's), (60, 32351), (95, 32408), (134, 32543), (140, 32564), (156, 32618), (175, 32705), (184, 32738), (202, 32807), (223, 32906), (241, 32975), (307, 33230), (323, 33293), (356, 33416), (357, 33419), (358, 33422),

Gene: Pokerus_24 Start: 19431, Stop: 20513, Start Num: 51
Candidate Starts for Pokerus_24:
(Start: 51 @19431 has 152 MA's), (106, 19539), (112, 19557), (116, 19575), (166, 19770), (167, 19773), (188, 19842), (209, 19914), (232, 20016), (293, 20250), (308, 20310), (323, 20364), (348, 20457), (361, 20496),

Gene: Polyyuki_46 Start: 32970, Stop: 34076, Start Num: 58
Candidate Starts for Polyyuki_46:
(Start: 58 @32970 has 72 MA's), (111, 33069), (132, 33162), (133, 33165), (143, 33195), (166, 33300), (172, 33312), (184, 33363), (221, 33525), (224, 33537), (242, 33603), (270, 33711), (279, 33756), (281, 33762), (285, 33780), (289, 33789), (292, 33795), (316, 33891), (319, 33900), (323, 33915), (330, 33954),

Gene: PrincePatrick_27 Start: 22630, Stop: 23694, Start Num: 55
Candidate Starts for PrincePatrick_27:
(Start: 55 @22630 has 46 MA's), (97, 22708), (104, 22729), (115, 22765), (116, 22768), (118, 22774), (160, 22930), (170, 22966), (175, 22987), (179, 23005), (195, 23059), (196, 23065), (210, 23113), (240, 23239), (279, 23395), (281, 23401), (292, 23431), (327, 23566), (337, 23599), (341, 23608), (356, 23662), (361, 23677), (363, 23683),

Gene: Prithvi_25 Start: 19448, Stop: 20530, Start Num: 51
Candidate Starts for Prithvi_25:
(Start: 51 @19448 has 152 MA's), (106, 19556), (112, 19574), (116, 19592), (166, 19787), (167, 19790), (188, 19859), (209, 19931), (232, 20033), (293, 20267), (308, 20327), (323, 20381), (348, 20474), (361, 20513),

Gene: Psycho_24 Start: 19805, Stop: 20890, Start Num: 58
Candidate Starts for Psycho_24:
(37, 19754), (Start: 58 @19805 has 72 MA's), (77, 19841), (85, 19856), (98, 19880), (110, 19919), (128, 20003), (160, 20114), (166, 20138), (167, 20141), (209, 20288), (232, 20393), (275, 20561), (300, 20645), (301, 20657), (328, 20768), (348, 20834),

Gene: Qhanda_27 Start: 20945, Stop: 22042, Start Num: 56
Candidate Starts for Qhanda_27:
(18, 20696), (22, 20723), (36, 20894), (Start: 56 @20945 has 24 MA's), (68, 20957), (112, 21065), (120, 21098), (160, 21254), (167, 21281), (188, 21350), (197, 21383), (209, 21422), (225, 21500), (232, 21524), (244, 21566), (253, 21593), (300, 21776), (326, 21890), (328, 21899), (361, 22004),

Gene: QuincyRose_24 Start: 19494, Stop: 20576, Start Num: 51
Candidate Starts for QuincyRose_24:
(Start: 51 @19494 has 152 MA's), (106, 19602), (112, 19620), (116, 19638), (166, 19833), (167, 19836), (188, 19905), (209, 19977), (232, 20079), (293, 20313), (308, 20373), (323, 20427), (348, 20520), (361, 20559),

Gene: Rabbs_20 Start: 18947, Stop: 20083, Start Num: 34
Candidate Starts for Rabbs_20:
(5, 18476), (10, 18674), (16, 18743), (30, 18902), (Start: 34 @18947 has 69 MA's), (74, 19025), (75, 19028), (83, 19043), (94, 19061), (105, 19094), (110, 19109), (127, 19190), (160, 19304), (162, 19316), (188, 19403), (192, 19424), (197, 19445), (216, 19520), (237, 19598), (272, 19751), (293, 19826), (313, 19898), (322, 19934), (345, 20021), (359, 20066), (360, 20069),

Gene: Ramen_25 Start: 19480, Stop: 20562, Start Num: 51
Candidate Starts for Ramen_25:
(Start: 51 @19480 has 152 MA's), (106, 19588), (112, 19606), (116, 19624), (166, 19819), (167, 19822), (188, 19891), (209, 19963), (224, 20038), (232, 20065), (293, 20299), (308, 20359), (323, 20413), (348, 20506), (361, 20545),

Gene: Rando14_24 Start: 18493, Stop: 19578, Start Num: 58
Candidate Starts for Rando14_24:
(37, 18442), (Start: 58 @18493 has 72 MA's), (85, 18544), (98, 18568), (110, 18607), (160, 18802), (166, 18826), (167, 18829), (179, 18871), (209, 18976), (232, 19081), (286, 19297), (293, 19315), (300, 19333), (323, 19429), (328, 19456), (348, 19522), (356, 19546),

Gene: Rapunzel97_25 Start: 19481, Stop: 20563, Start Num: 51
Candidate Starts for Rapunzel97_25:

(Start: 51 @19481 has 152 MA's), (106, 19589), (112, 19607), (116, 19625), (166, 19820), (167, 19823), (188, 19892), (209, 19964), (232, 20066), (293, 20300), (308, 20360), (323, 20414), (348, 20507), (361, 20546),

Gene: Rattrick_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Rattrick_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: RedRaider_49 Start: 34371, Stop: 35480, Start Num: 58
Candidate Starts for RedRaider_49:
(Start: 58 @34371 has 72 MA's), (95, 34431), (114, 34479), (156, 34641), (184, 34761), (193, 34794), (206, 34842), (223, 34929), (230, 34959), (232, 34965), (237, 34980), (268, 35103), (328, 35343), (338, 35376), (356, 35439),

Gene: Rem711_27 Start: 21349, Stop: 22434, Start Num: 67
Candidate Starts for Rem711_27:
(Start: 67 @21349 has 23 MA's), (97, 21412), (105, 21439), (110, 21454), (113, 21463), (117, 21481), (166, 21667), (181, 21718), (248, 21961), (286, 22129), (289, 22135), (318, 22267), (323, 22288), (339, 22345), (356, 22405), (360, 22417), (363, 22426),

Gene: Remy19_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Remy19_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Renaissance_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Renaissance_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Reptar3000_26 Start: 20663, Stop: 21763, Start Num: 56
Candidate Starts for Reptar3000_26:
(18, 20417), (22, 20444), (36, 20615), (Start: 56 @20663 has 24 MA's), (112, 20783), (120, 20816), (130, 20867), (158, 20966), (160, 20972), (188, 21068), (197, 21101), (203, 21122), (232, 21242), (236, 21254), (253, 21311), (258, 21344), (293, 21476), (300, 21494), (326, 21608), (328, 21617), (356, 21707), (368, 21743),

Gene: Richarlison_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Richarlison_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Richo_25 Start: 18838, Stop: 19920, Start Num: 51
Candidate Starts for Richo_25:

(Start: 51 @18838 has 152 MA's), (106, 18946), (112, 18964), (116, 18982), (158, 19147), (166, 19177), (167, 19180), (181, 19228), (197, 19282), (236, 19435), (272, 19582), (293, 19657), (314, 19732), (348, 19864), (356, 19888), (361, 19903),

Gene: Rosmarinus_25 Start: 19502, Stop: 20584, Start Num: 51
Candidate Starts for Rosmarinus_25:
(Start: 51 @19502 has 152 MA's), (106, 19610), (112, 19628), (116, 19646), (166, 19841), (167, 19844), (188, 19913), (209, 19985), (224, 20060), (232, 20087), (293, 20321), (308, 20381), (323, 20435), (348, 20528), (361, 20567),

Gene: Ruriko_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Ruriko_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Ruthiejr_25 Start: 20557, Stop: 21654, Start Num: 56
Candidate Starts for Ruthiejr_25:
(18, 20308), (22, 20335), (36, 20506), (Start: 56 @20557 has 24 MA's), (68, 20569), (112, 20677), (120, 20710), (160, 20866), (167, 20893), (188, 20962), (197, 20995), (225, 21112), (232, 21136), (244, 21178), (253, 21205), (300, 21388), (326, 21502), (328, 21511), (361, 21616),

Gene: Ruthy_21 Start: 18482, Stop: 19582, Start Num: 62
Candidate Starts for Ruthy_21:
(13, 18200), (25, 18308), (Start: 62 @18482 has 27 MA's), (106, 18578), (116, 18614), (179, 18857), (181, 18863), (199, 18923), (231, 19040), (250, 19118), (275, 19226), (276, 19229), (286, 19274), (291, 19286), (296, 19301), (323, 19436), (338, 19487), (339, 19493), (363, 19574),

Gene: Salvus_24 Start: 18596, Stop: 19696, Start Num: 49
Candidate Starts for Salvus_24:
(Start: 49 @18596 has 4 MA's), (71, 18632), (81, 18659), (88, 18671), (110, 18728), (119, 18761), (120, 18767), (137, 18839), (152, 18887), (215, 19118), (230, 19187), (258, 19295), (267, 19328), (269, 19337), (272, 19352), (281, 19388), (299, 19442), (328, 19568), (356, 19667), (363, 19688),

Gene: SamScheppers_24 Start: 20464, Stop: 21561, Start Num: 56
Candidate Starts for SamScheppers_24:
(18, 20215), (22, 20242), (36, 20413), (Start: 56 @20464 has 24 MA's), (68, 20476), (112, 20584), (120, 20617), (130, 20668), (160, 20773), (167, 20800), (188, 20869), (197, 20902), (209, 20941), (225, 21019), (232, 21043), (244, 21085), (253, 21112), (300, 21295), (326, 21409), (328, 21418), (361, 21523),

Gene: Samba_27 Start: 22397, Stop: 23464, Start Num: 55
Candidate Starts for Samba_27:
(Start: 55 @22397 has 46 MA's), (73, 22427), (97, 22475), (102, 22490), (115, 22532), (143, 22628), (145, 22637), (160, 22697), (170, 22733), (175, 22754), (191, 22811), (195, 22829), (196, 22835), (205, 22868), (210, 22883), (240, 23009), (266, 23105), (279, 23165), (281, 23171), (292, 23201), (361, 23447),

Gene: SamuelLPlaqson_25 Start: 19428, Stop: 20510, Start Num: 51
Candidate Starts for SamuelLPlaqson_25:
(Start: 51 @19428 has 152 MA's), (106, 19536), (112, 19554), (116, 19572), (166, 19767), (167, 19770), (188, 19839), (197, 19872), (209, 19911), (231, 20010), (232, 20013), (253, 20082), (275,

20181), (293, 20247), (295, 20253), (300, 20265), (301, 20277), (356, 20481), (361, 20496),

Gene: Sapo_24 Start: 20295, Stop: 21383, Start Num: 55
Candidate Starts for Sapo_24:
(Start: 55 @20295 has 46 MA's), (77, 20337), (104, 20394), (139, 20517), (184, 20685), (190, 20706), (195, 20727), (196, 20733), (202, 20757), (253, 20946), (261, 20991), (267, 21006), (279, 21063), (315, 21198), (322, 21222), (349, 21327), (361, 21363), (363, 21369), (365, 21375),

Gene: Scarlett_24 Start: 18720, Stop: 19802, Start Num: 51
Candidate Starts for Scarlett_24:
(Start: 51 @18720 has 152 MA's), (70, 18741), (85, 18777), (98, 18801), (106, 18828), (112, 18846), (120, 18879), (166, 19059), (167, 19062), (188, 19131), (209, 19203), (232, 19305), (275, 19473), (293, 19539), (323, 19653), (328, 19680), (333, 19692), (361, 19785),

Gene: Schiebel_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Schiebel_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Schmidt_24 Start: 17816, Stop: 18928, Start Num: 58
Candidate Starts for Schmidt_24:
(46, 17798), (47, 17801), (Start: 58 @17816 has 72 MA's), (106, 17912), (109, 17921), (111, 17927), (164, 18140), (166, 18146), (177, 18188), (180, 18197), (200, 18269), (230, 18404), (259, 18509), (266, 18536), (267, 18539), (281, 18602), (283, 18614), (288, 18626), (302, 18668), (321, 18749), (325, 18770), (328, 18785), (333, 18806), (345, 18848), (347, 18857), (354, 18878), (367, 18920),

Gene: Scuba_51 Start: 32416, Stop: 33534, Start Num: 49
Candidate Starts for Scuba_51:
(Start: 49 @32416 has 4 MA's), (60, 32428), (95, 32485), (134, 32620), (140, 32641), (156, 32695), (175, 32782), (184, 32815), (223, 32983), (241, 33052), (266, 33148), (307, 33307), (323, 33370), (356, 33493), (357, 33496), (358, 33499),

Gene: SgtBeansprout_21 Start: 19023, Stop: 20105, Start Num: 51
Candidate Starts for SgtBeansprout_21:
(Start: 51 @19023 has 152 MA's), (85, 19080), (106, 19131), (112, 19149), (116, 19167), (128, 19227), (130, 19233), (158, 19332), (166, 19362), (167, 19365), (181, 19413), (195, 19455), (197, 19467), (232, 19608), (236, 19620), (293, 19842), (314, 19917), (326, 19974), (336, 20004), (348, 20049), (361, 20088),

Gene: ShaboiShabazz_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for ShaboiShabazz_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Shadow1_23 Start: 18520, Stop: 19602, Start Num: 51
Candidate Starts for Shadow1_23:
(Start: 51 @18520 has 152 MA's), (64, 18535), (94, 18592), (106, 18628), (112, 18646), (158, 18829), (166, 18859), (167, 18862), (188, 18931), (209, 19003), (211, 19012), (232, 19105), (238, 19126), (240, 19132), (293, 19339), (328, 19480), (348, 19546), (356, 19570), (361, 19585),

Gene: Shaobing_25 Start: 18838, Stop: 19920, Start Num: 51
Candidate Starts for Shaobing_25:
(Start: 51 @18838 has 152 MA's), (106, 18946), (112, 18964), (116, 18982), (158, 19147), (166, 19177), (167, 19180), (181, 19228), (197, 19282), (236, 19435), (272, 19582), (293, 19657), (314, 19732), (348, 19864), (356, 19888), (361, 19903),

Gene: ShedlockHolmes_24 Start: 19891, Stop: 20979, Start Num: 51
Candidate Starts for ShedlockHolmes_24:
(Start: 51 @19891 has 152 MA's), (Start: 61 @19903 has 25 MA's), (64, 19906), (94, 19957), (106, 19993), (112, 20011), (116, 20029), (120, 20044), (145, 20140), (158, 20206), (160, 20212), (167, 20239), (188, 20308), (197, 20341), (211, 20389), (215, 20407), (231, 20479), (232, 20482), (293, 20716), (302, 20749), (326, 20848), (348, 20923), (356, 20947), (361, 20962),

Gene: ShiaSurprise_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for ShiaSurprise_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: SirPhilip_24 Start: 18337, Stop: 19440, Start Num: 51
Candidate Starts for SirPhilip_24:
(Start: 51 @18337 has 152 MA's), (85, 18394), (98, 18418), (106, 18445), (112, 18463), (167, 18679), (188, 18748), (204, 18805), (232, 18922), (238, 18964), (240, 18970), (293, 19177), (301, 19207), (356, 19408), (361, 19423),

Gene: Sizemore_20 Start: 18862, Stop: 19998, Start Num: 34
Candidate Starts for Sizemore_20:
(16, 18658), (30, 18817), (Start: 34 @18862 has 69 MA's), (74, 18940), (75, 18943), (77, 18946), (83, 18958), (94, 18976), (105, 19009), (110, 19024), (127, 19105), (160, 19219), (162, 19231), (188, 19318), (192, 19339), (216, 19435), (237, 19513), (272, 19666), (300, 19759), (322, 19849), (336, 19903), (341, 19918), (342, 19921), (345, 19936), (359, 19981), (360, 19984),

Gene: Skysand_44 Start: 32569, Stop: 33678, Start Num: 58
Candidate Starts for Skysand_44:
(1, 31483), (2, 31516), (4, 31996), (Start: 58 @32569 has 72 MA's), (95, 32629), (117, 32689), (156, 32839), (184, 32959), (193, 32992), (206, 33040), (223, 33127), (230, 33157), (268, 33301), (289, 33385), (328, 33541), (338, 33574), (356, 33637),

Gene: Slarp_26 Start: 20936, Stop: 22033, Start Num: 56
Candidate Starts for Slarp_26:
(18, 20687), (22, 20714), (36, 20885), (Start: 56 @20936 has 24 MA's), (68, 20948), (112, 21056), (120, 21089), (160, 21245), (167, 21272), (188, 21341), (197, 21374), (209, 21413), (225, 21491), (232, 21515), (244, 21557), (253, 21584), (300, 21767), (326, 21881), (328, 21890), (361, 21995),

Gene: Slimphazie_25 Start: 19481, Stop: 20563, Start Num: 51
Candidate Starts for Slimphazie_25:
(Start: 51 @19481 has 152 MA's), (106, 19589), (112, 19607), (116, 19625), (166, 19820), (167, 19823), (188, 19892), (209, 19964), (232, 20066), (293, 20300), (308, 20360), (323, 20414), (348, 20507), (361, 20546),

Gene: Smoothie_57 Start: 34742, Stop: 35824, Start Num: 61
Candidate Starts for Smoothie_57:

(Start: 61 @34742 has 25 MA's), (78, 34781), (89, 34802), (131, 34949), (159, 35039), (165, 35069), (182, 35129), (202, 35198), (265, 35435), (270, 35453), (277, 35486), (289, 35528), (310, 35621), (322, 35666), (340, 35741), (341, 35744), (358, 35804), (359, 35807),

Gene: Sneeze_20 Start: 18946, Stop: 20082, Start Num: 34
Candidate Starts for Sneeze_20:
(5, 18475), (10, 18673), (16, 18742), (30, 18901), (Start: 34 @18946 has 69 MA's), (74, 19024), (75, 19027), (83, 19042), (94, 19060), (105, 19093), (110, 19108), (127, 19189), (160, 19303), (162, 19315), (188, 19402), (192, 19423), (197, 19444), (216, 19519), (237, 19597), (272, 19750), (293, 19825), (313, 19897), (322, 19933), (345, 20020), (359, 20065), (360, 20068),

Gene: SoSeph_23 Start: 19922, Stop: 21007, Start Num: 58
Candidate Starts for SoSeph_23:
(37, 19871), (Start: 58 @19922 has 72 MA's), (77, 19958), (85, 19973), (98, 19997), (110, 20036), (128, 20120), (160, 20231), (166, 20255), (167, 20258), (209, 20405), (232, 20510), (293, 20744), (300, 20762), (323, 20858), (328, 20885), (348, 20951),

Gene: SpeedDemon_380 Start: 33688, Stop: 34761, Start Num: 61
Candidate Starts for SpeedDemon_380:
(Start: 61 @33688 has 25 MA's), (78, 33727), (110, 33799), (116, 33823), (131, 33892), (165, 34012), (182, 34072), (187, 34081), (189, 34084), (196, 34117), (219, 34210), (248, 34306), (326, 34624),

Gene: Splinter_26 Start: 19531, Stop: 20649, Start Num: 58
Candidate Starts for Splinter_26:
(Start: 58 @19531 has 72 MA's), (79, 19573), (103, 19621), (107, 19633), (131, 19735), (157, 19822), (158, 19825), (178, 19909), (184, 19927), (205, 20002), (230, 20122), (267, 20257), (281, 20320), (288, 20344), (310, 20425), (312, 20434), (322, 20473), (325, 20491), (327, 20503), (328, 20506), (329, 20509), (345, 20569),

Gene: Spock_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Spock_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Sprinklemunch_20 Start: 18246, Stop: 19349, Start Num: 62
Candidate Starts for Sprinklemunch_20:
(Start: 62 @18246 has 27 MA's), (69, 18255), (84, 18294), (88, 18300), (110, 18357), (116, 18381), (181, 18630), (199, 18690), (218, 18771), (270, 18972), (271, 18975), (275, 18993), (276, 18996), (286, 19041), (291, 19053), (298, 19086), (302, 19107), (323, 19203), (335, 19248), (338, 19254), (339, 19260), (363, 19341),

Gene: StarStruck_43 Start: 32088, Stop: 33197, Start Num: 58
Candidate Starts for StarStruck_43:
(Start: 58 @32088 has 72 MA's), (95, 32148), (132, 32277), (133, 32280), (156, 32358), (174, 32433), (193, 32511), (223, 32646), (230, 32676), (244, 32724), (256, 32772), (281, 32877), (297, 32931), (323, 33033), (338, 33093),

Gene: Stargaze_20 Start: 19298, Stop: 20440, Start Num: 34
Candidate Starts for Stargaze_20:
(Start: 34 @19298 has 69 MA's), (74, 19382), (83, 19400), (105, 19451), (110, 19466), (127, 19547), (162, 19673), (188, 19760), (197, 19802), (216, 19877), (218, 19886), (233, 19946), (243, 19988), (306, 20240), (322, 20291), (342, 20363), (361, 20429),

Gene: Stellammi_20 Start: 17362, Stop: 18444, Start Num: 66
Candidate Starts for Stellammi_20:
(Start: 66 @17362 has 5 MA's), (87, 17410), (97, 17425), (105, 17452), (119, 17500), (121, 17509), (124, 17527), (130, 17557), (141, 17593), (145, 17605), (147, 17620), (171, 17695), (176, 17722), (183, 17743), (208, 17821), (209, 17824), (246, 17968), (258, 18022), (275, 18088), (292, 18148), (301, 18184), (323, 18268), (326, 18286), (339, 18334), (358, 18400), (359, 18403), (361, 18409), (366, 18424),

Gene: Stinson_25 Start: 19449, Stop: 20531, Start Num: 51
Candidate Starts for Stinson_25:
(Start: 51 @19449 has 152 MA's), (106, 19557), (112, 19575), (116, 19593), (166, 19788), (167, 19791), (188, 19860), (197, 19893), (209, 19932), (232, 20034), (267, 20169), (293, 20268), (300, 20286), (308, 20328), (323, 20382),

Gene: Strobilo_21 Start: 17342, Stop: 18418, Start Num: 51
Candidate Starts for Strobilo_21:
(27, 17201), (Start: 51 @17342 has 152 MA's), (98, 17417), (106, 17444), (110, 17456), (112, 17462), (120, 17495), (167, 17678), (181, 17726), (188, 17747), (232, 17921), (240, 17948), (253, 17990), (258, 18023), (314, 18230), (323, 18269),

Gene: Sukkupi_44 Start: 31114, Stop: 32229, Start Num: 62
Candidate Starts for Sukkupi_44:
(Start: 62 @31114 has 27 MA's), (80, 31156), (95, 31180), (111, 31216), (123, 31264), (133, 31312), (174, 31465), (221, 31672), (223, 31678), (230, 31708), (253, 31783), (270, 31858), (277, 31891), (284, 31924), (289, 31936), (328, 32092), (343, 32146), (347, 32161), (356, 32188),

Gene: Sulley_25 Start: 19447, Stop: 20529, Start Num: 51
Candidate Starts for Sulley_25:
(Start: 51 @19447 has 152 MA's), (106, 19555), (112, 19573), (116, 19591), (166, 19786), (167, 19789), (188, 19858), (209, 19930), (224, 20005), (232, 20032), (282, 20233), (293, 20266), (308, 20326), (323, 20380), (348, 20473), (361, 20512),

Gene: Sunflower1121_23 Start: 18532, Stop: 19614, Start Num: 51
Candidate Starts for Sunflower1121_23:
(Start: 51 @18532 has 152 MA's), (64, 18547), (94, 18604), (106, 18640), (112, 18658), (158, 18841), (166, 18871), (167, 18874), (188, 18943), (209, 19015), (211, 19024), (232, 19117), (238, 19138), (240, 19144), (293, 19351), (328, 19492), (348, 19558), (356, 19582), (361, 19597),

Gene: SuperSulley_43 Start: 32276, Stop: 33385, Start Num: 58
Candidate Starts for SuperSulley_43:
(Start: 58 @32276 has 72 MA's), (95, 32336), (132, 32465), (133, 32468), (156, 32546), (170, 32612), (174, 32621), (223, 32834), (224, 32840), (230, 32864), (244, 32912), (256, 32960), (281, 33065), (284, 33080), (301, 33131), (323, 33221), (338, 33281),

Gene: Sweets_20 Start: 18856, Stop: 19992, Start Num: 34
Candidate Starts for Sweets_20:
(16, 18652), (30, 18811), (Start: 34 @18856 has 69 MA's), (74, 18934), (75, 18937), (77, 18940), (83, 18952), (94, 18970), (105, 19003), (110, 19018), (127, 19099), (160, 19213), (162, 19225), (188, 19312), (192, 19333), (216, 19429), (237, 19507), (272, 19660), (300, 19753), (322, 19843), (336, 19897), (341, 19912), (342, 19915), (345, 19930), (359, 19975), (360, 19978),

Gene: Syra333_24 Start: 18627, Stop: 19709, Start Num: 51

Candidate Starts for Syra333_24:
(Start: 51 @18627 has 152 MA's), (64, 18642), (94, 18699), (106, 18735), (112, 18753), (158, 18936), (163, 18954), (166, 18966), (167, 18969), (188, 19038), (209, 19110), (232, 19212), (238, 19233), (240, 19239), (293, 19446), (348, 19653), (356, 19677), (361, 19692),

Gene: TBond007_24 Start: 19681, Stop: 20769, Start Num: 51
Candidate Starts for TBond007_24:
(Start: 51 @19681 has 152 MA's), (Start: 61 @19693 has 25 MA's), (64, 19696), (94, 19747), (106, 19783), (112, 19801), (116, 19819), (120, 19834), (145, 19930), (158, 19996), (167, 20029), (188, 20098), (197, 20131), (215, 20197), (231, 20269), (232, 20272), (293, 20506), (302, 20539), (326, 20638), (348, 20713), (356, 20737), (361, 20752),

Gene: TClif_24 Start: 18685, Stop: 19767, Start Num: 53
Candidate Starts for TClif_24:
(Start: 53 @18685 has 2 MA's), (77, 18727), (106, 18793), (112, 18811), (158, 18994), (166, 19024), (167, 19027), (188, 19096), (197, 19129), (240, 19297), (293, 19504), (322, 19612), (348, 19711),

Gene: TM4_21 Start: 17408, Stop: 18484, Start Num: 51
Candidate Starts for TM4_21:
(27, 17267), (38, 17366), (Start: 51 @17408 has 152 MA's), (98, 17483), (106, 17510), (110, 17522), (112, 17528), (120, 17561), (144, 17654), (167, 17744), (188, 17813), (197, 17846), (232, 17987), (240, 18014), (253, 18056), (293, 18221), (323, 18335), (326, 18353), (328, 18362),

Gene: TPA4_22 Start: 20165, Stop: 21250, Start Num: 59
Candidate Starts for TPA4_22:
(43, 20129), (Start: 59 @20165 has 1 MA's), (82, 20210), (84, 20213), (91, 20225), (97, 20234), (105, 20261), (116, 20300), (117, 20303), (119, 20309), (121, 20318), (125, 20345), (128, 20360), (166, 20498), (198, 20591), (206, 20618), (246, 20792), (249, 20801), (250, 20804), (262, 20861), (272, 20906), (303, 21029), (339, 21155), (346, 21185),

Gene: TZGordon_28 Start: 19670, Stop: 20788, Start Num: 58
Candidate Starts for TZGordon_28:
(Start: 58 @19670 has 72 MA's), (79, 19712), (103, 19760), (107, 19772), (131, 19874), (157, 19961), (158, 19964), (178, 20048), (184, 20066), (205, 20141), (230, 20261), (267, 20396), (281, 20459), (288, 20483), (310, 20564), (312, 20573), (327, 20642), (328, 20645), (329, 20648), (345, 20708), (347, 20717),

Gene: Tachez_25 Start: 19443, Stop: 20525, Start Num: 51
Candidate Starts for Tachez_25:
(Start: 51 @19443 has 152 MA's), (106, 19551), (112, 19569), (116, 19587), (166, 19782), (167, 19785), (188, 19854), (209, 19926), (232, 20028), (293, 20262), (308, 20322), (323, 20376), (348, 20469), (361, 20508),

Gene: Taheera_20 Start: 18956, Stop: 20092, Start Num: 34
Candidate Starts for Taheera_20:
(30, 18911), (Start: 34 @18956 has 69 MA's), (74, 19034), (75, 19037), (83, 19052), (94, 19070), (105, 19103), (110, 19118), (127, 19199), (160, 19313), (162, 19325), (188, 19412), (192, 19433), (197, 19454), (216, 19529), (237, 19607), (272, 19760), (293, 19835), (313, 19907), (322, 19943), (345, 20030), (359, 20075), (360, 20078),

Gene: TaiwanKao_26 Start: 19454, Stop: 20536, Start Num: 51
Candidate Starts for TaiwanKao_26:

(Start: 51 @19454 has 152 MA's), (106, 19562), (112, 19580), (166, 19793), (167, 19796), (188, 19865), (209, 19937), (232, 20039), (293, 20273), (308, 20333), (323, 20387), (348, 20480), (361, 20519),

Gene: Taquito_24 Start: 20545, Stop: 21642, Start Num: 56
Candidate Starts for Taquito_24:
(18, 20296), (22, 20323), (36, 20494), (Start: 56 @20545 has 24 MA's), (68, 20557), (112, 20665), (120, 20698), (130, 20749), (160, 20854), (167, 20881), (188, 20950), (197, 20983), (209, 21022), (225, 21100), (232, 21124), (244, 21166), (253, 21193), (300, 21376), (326, 21490), (328, 21499), (361, 21604),

Gene: Teejan_21 Start: 19023, Stop: 20105, Start Num: 51
Candidate Starts for Teejan_21:
(Start: 51 @19023 has 152 MA's), (85, 19080), (106, 19131), (112, 19149), (116, 19167), (128, 19227), (130, 19233), (158, 19332), (166, 19362), (167, 19365), (181, 19413), (195, 19455), (197, 19467), (232, 19608), (236, 19620), (293, 19842), (314, 19917), (326, 19974), (336, 20004), (348, 20049), (361, 20088),

Gene: Terror_20 Start: 18956, Stop: 20092, Start Num: 34
Candidate Starts for Terror_20:
(30, 18911), (Start: 34 @18956 has 69 MA's), (74, 19034), (75, 19037), (83, 19052), (94, 19070), (105, 19103), (110, 19118), (127, 19199), (160, 19313), (162, 19325), (188, 19412), (192, 19433), (197, 19454), (216, 19529), (237, 19607), (272, 19760), (293, 19835), (313, 19907), (322, 19943), (345, 20030), (359, 20075), (360, 20078),

Gene: Thyatira_23 Start: 19774, Stop: 20859, Start Num: 58
Candidate Starts for Thyatira_23:
(37, 19723), (Start: 58 @19774 has 72 MA's), (77, 19810), (85, 19825), (98, 19849), (110, 19888), (128, 19972), (160, 20083), (166, 20107), (167, 20110), (209, 20257), (232, 20362), (293, 20596), (300, 20614), (323, 20710), (328, 20737), (348, 20803), (356, 20827),

Gene: Tierra_24 Start: 19346, Stop: 20449, Start Num: 51
Candidate Starts for Tierra_24:
(Start: 51 @19346 has 152 MA's), (64, 19361), (94, 19418), (106, 19454), (112, 19472), (158, 19655), (166, 19685), (188, 19757), (211, 19838), (232, 19931), (240, 19979), (244, 19994), (253, 20021), (293, 20186), (348, 20393), (356, 20417), (361, 20432),

Gene: Tigress9_25 Start: 18615, Stop: 19697, Start Num: 51
Candidate Starts for Tigress9_25:
(Start: 51 @18615 has 152 MA's), (64, 18630), (94, 18687), (106, 18723), (112, 18741), (158, 18924), (166, 18954), (167, 18957), (188, 19026), (209, 19098), (232, 19200), (238, 19221), (240, 19227), (293, 19434), (328, 19575), (348, 19641), (356, 19665), (361, 19680),

Gene: TinaBug_20 Start: 18856, Stop: 19992, Start Num: 34
Candidate Starts for TinaBug_20:
(16, 18652), (30, 18811), (Start: 34 @18856 has 69 MA's), (74, 18934), (75, 18937), (77, 18940), (83, 18952), (94, 18970), (105, 19003), (110, 19018), (127, 19099), (160, 19213), (162, 19225), (188, 19312), (192, 19333), (216, 19429), (237, 19507), (272, 19660), (300, 19753), (322, 19843), (336, 19897), (341, 19912), (342, 19915), (345, 19930), (359, 19975), (360, 19978),

Gene: TinaLin_29 Start: 20510, Stop: 21625, Start Num: 58
Candidate Starts for TinaLin_29:

(Start: 58 @20510 has 72 MA's), (108, 20615), (131, 20714), (155, 20783), (157, 20801), (158, 20804), (180, 20894), (184, 20906), (230, 21101), (281, 21299), (288, 21323), (292, 21329), (310, 21404), (312, 21413), (321, 21449), (327, 21482), (345, 21548),

Gene: TingHuaYa_25 Start: 18780, Stop: 19862, Start Num: 51
Candidate Starts for TingHuaYa_25:
(Start: 51 @18780 has 152 MA's), (106, 18888), (112, 18906), (116, 18924), (166, 19119), (167, 19122), (188, 19191), (209, 19263), (224, 19338), (232, 19365), (253, 19434), (264, 19485), (286, 19581), (293, 19599), (308, 19659), (323, 19713), (348, 19806), (361, 19845),

Gene: TiniBug_25 Start: 19425, Stop: 20507, Start Num: 51
Candidate Starts for TiniBug_25:
(Start: 51 @19425 has 152 MA's), (106, 19533), (112, 19551), (116, 19569), (157, 19731), (166, 19764), (167, 19767), (188, 19836), (197, 19869), (209, 19908), (231, 20007), (232, 20010), (253, 20079), (275, 20178), (293, 20244), (295, 20250), (300, 20262), (301, 20274), (356, 20478), (361, 20493),

Gene: Tiri_25 Start: 19486, Stop: 20568, Start Num: 51
Candidate Starts for Tiri_25:
(Start: 51 @19486 has 152 MA's), (106, 19594), (112, 19612), (116, 19630), (166, 19825), (167, 19828), (188, 19897), (232, 20071), (293, 20305), (308, 20365), (323, 20419), (348, 20512), (361, 20551),

Gene: Toast_28 Start: 22551, Stop: 23615, Start Num: 55
Candidate Starts for Toast_28:
(Start: 55 @22551 has 46 MA's), (97, 22629), (104, 22650), (115, 22686), (116, 22689), (118, 22695), (160, 22851), (170, 22887), (175, 22908), (179, 22926), (195, 22980), (196, 22986), (210, 23034), (240, 23160), (279, 23316), (281, 23322), (292, 23352), (327, 23487), (337, 23520), (341, 23529), (356, 23583), (361, 23598), (363, 23604),

Gene: TomBrady_20 Start: 18862, Stop: 19998, Start Num: 34
Candidate Starts for TomBrady_20:
(16, 18658), (30, 18817), (Start: 34 @18862 has 69 MA's), (74, 18940), (75, 18943), (77, 18946), (83, 18958), (94, 18976), (105, 19009), (110, 19024), (127, 19105), (160, 19219), (162, 19231), (188, 19318), (192, 19339), (216, 19435), (237, 19513), (272, 19666), (300, 19759), (322, 19849), (336, 19903), (341, 19918), (342, 19921), (345, 19936), (359, 19981), (360, 19984),

Gene: Toniann_55 Start: 34229, Stop: 35311, Start Num: 61
Candidate Starts for Toniann_55:
(Start: 61 @34229 has 25 MA's), (78, 34268), (89, 34289), (131, 34436), (159, 34526), (165, 34556), (182, 34616), (202, 34685), (265, 34922), (270, 34940), (277, 34973), (289, 35015), (310, 35108), (322, 35153), (340, 35228), (341, 35231), (358, 35291), (359, 35294),

Gene: Topper_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Topper_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Torres_21 Start: 19023, Stop: 20105, Start Num: 51
Candidate Starts for Torres_21:
(Start: 51 @19023 has 152 MA's), (85, 19080), (106, 19131), (112, 19149), (116, 19167), (128, 19227), (130, 19233), (158, 19332), (166, 19362), (167, 19365), (181, 19413), (195, 19455), (197, 19467),

(232, 19608), (236, 19620), (293, 19842), (314, 19917), (326, 19974), (336, 20004), (348, 20049), (361, 20088),

Gene: Towmatter_34 Start: 30184, Stop: 31257, Start Num: 61
Candidate Starts for Towmatter_34:
(Start: 61 @30184 has 25 MA's), (101, 30271), (116, 30319), (189, 30580), (206, 30649), (277, 30922), (279, 30934), (342, 31177),

Gene: Tracker_42 Start: 31257, Stop: 32384, Start Num: 58
Candidate Starts for Tracker_42:
(Start: 58 @31257 has 72 MA's), (111, 31362), (116, 31383), (156, 31536), (174, 31611), (193, 31689), (201, 31722), (218, 31803), (226, 31848), (232, 31869), (241, 31902), (257, 31962), (347, 32316), (358, 32349),

Gene: TreyKay_25 Start: 19448, Stop: 20530, Start Num: 51
Candidate Starts for TreyKay_25:
(Start: 51 @19448 has 152 MA's), (106, 19556), (112, 19574), (116, 19592), (166, 19787), (167, 19790), (188, 19859), (209, 19931), (232, 20033), (293, 20267), (308, 20327), (323, 20381), (348, 20474), (361, 20513),

Gene: TribleTrouble_23 Start: 19718, Stop: 20806, Start Num: 51
Candidate Starts for TribleTrouble_23:
(Start: 51 @19718 has 152 MA's), (Start: 61 @19730 has 25 MA's), (64, 19733), (94, 19784), (100, 19796), (106, 19820), (112, 19838), (116, 19856), (120, 19871), (128, 19916), (145, 19967), (158, 20033), (167, 20066), (188, 20135), (215, 20234), (231, 20306), (232, 20309), (293, 20543), (326, 20675), (348, 20750), (356, 20774), (361, 20789),

Gene: Trice_21 Start: 19023, Stop: 20105, Start Num: 51
Candidate Starts for Trice_21:
(Start: 51 @19023 has 152 MA's), (85, 19080), (106, 19131), (112, 19149), (116, 19167), (128, 19227), (130, 19233), (158, 19332), (166, 19362), (167, 19365), (181, 19413), (195, 19455), (197, 19467), (232, 19608), (236, 19620), (293, 19842), (314, 19917), (326, 19974), (336, 20004), (348, 20049), (361, 20088),

Gene: TruffulaTree_25 Start: 19477, Stop: 20559, Start Num: 51
Candidate Starts for TruffulaTree_25:
(Start: 51 @19477 has 152 MA's), (106, 19585), (112, 19603), (116, 19621), (166, 19816), (167, 19819), (188, 19888), (209, 19960), (224, 20035), (232, 20062), (293, 20296), (308, 20356), (323, 20410), (348, 20503), (361, 20542),

Gene: Turuncu_46 Start: 32551, Stop: 33660, Start Num: 58
Candidate Starts for Turuncu_46:
(Start: 58 @32551 has 72 MA's), (93, 32608), (95, 32611), (223, 33109), (230, 33139), (241, 33178), (328, 33523), (338, 33556),

Gene: Twitch_25 Start: 19514, Stop: 20596, Start Num: 51
Candidate Starts for Twitch_25:
(Start: 51 @19514 has 152 MA's), (106, 19622), (112, 19640), (116, 19658), (166, 19853), (167, 19856), (188, 19925), (209, 19997), (224, 20072), (232, 20099), (293, 20333), (308, 20393), (323, 20447), (348, 20540), (361, 20579),

Gene: Typha_26 Start: 21990, Stop: 23429, Start Num: 12
Candidate Starts for Typha_26:

(Start: 12 @21990 has 5 MA's), (14, 22011), (17, 22029), (18, 22032), (19, 22047), (24, 22077), (26, 22116), (28, 22143), (29, 22149), (57, 22287), (96, 22356), (107, 22389), (126, 22473), (127, 22479), (153, 22608), (154, 22614), (156, 22629), (166, 22677), (169, 22683), (171, 22686), (183, 22734), (197, 22773), (202, 22791), (212, 22824), (221, 22875), (230, 22908), (243, 22968), (247, 22980), (253, 22998), (275, 23097), (293, 23163), (323, 23277), (327, 23301), (328, 23304), (346, 23373), (360, 23415),

Gene: Ubuntu_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Ubuntu_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: UmaThurman_27 Start: 22444, Stop: 23511, Start Num: 55
Candidate Starts for UmaThurman_27:
(Start: 55 @22444 has 46 MA's), (73, 22474), (97, 22522), (102, 22537), (115, 22579), (116, 22582), (139, 22666), (143, 22675), (145, 22684), (160, 22744), (170, 22780), (175, 22801), (190, 22855), (195, 22876), (196, 22882), (205, 22915), (210, 22930), (240, 23056), (266, 23152), (279, 23212), (281, 23218), (292, 23248), (361, 23494),

Gene: Unicorn_24 Start: 18672, Stop: 19775, Start Num: 51
Candidate Starts for Unicorn_24:
(Start: 51 @18672 has 152 MA's), (64, 18687), (94, 18744), (106, 18780), (112, 18798), (158, 18981), (166, 19011), (188, 19083), (232, 19257), (240, 19305), (244, 19320), (293, 19512), (322, 19620), (348, 19719), (356, 19743), (361, 19758),

Gene: Urkel_25 Start: 19428, Stop: 20510, Start Num: 51
Candidate Starts for Urkel_25:
(Start: 51 @19428 has 152 MA's), (106, 19536), (112, 19554), (116, 19572), (166, 19767), (167, 19770), (188, 19839), (197, 19872), (209, 19911), (231, 20010), (232, 20013), (253, 20082), (275, 20181), (293, 20247), (295, 20253), (300, 20265), (301, 20277), (356, 20481), (361, 20496),

Gene: Utz_27 Start: 22311, Stop: 23378, Start Num: 55
Candidate Starts for Utz_27:
(Start: 55 @22311 has 46 MA's), (73, 22341), (97, 22389), (102, 22404), (104, 22410), (115, 22446), (116, 22449), (143, 22542), (160, 22611), (170, 22647), (195, 22743), (196, 22749), (203, 22776), (210, 22797), (259, 22995), (268, 23028), (281, 23085), (292, 23115), (293, 23121), (341, 23292), (361, 23361),

Gene: Validus_25 Start: 18769, Stop: 19851, Start Num: 51
Candidate Starts for Validus_25:
(Start: 51 @18769 has 152 MA's), (106, 18877), (112, 18895), (158, 19078), (166, 19108), (167, 19111), (181, 19159), (198, 19216), (232, 19354), (236, 19366), (276, 19525), (293, 19588), (314, 19663), (336, 19750), (348, 19795), (361, 19834),

Gene: Veliki_25 Start: 19517, Stop: 20599, Start Num: 51
Candidate Starts for Veliki_25:
(Start: 51 @19517 has 152 MA's), (106, 19625), (112, 19643), (116, 19661), (166, 19856), (167, 19859), (188, 19928), (209, 20000), (232, 20102), (293, 20336), (308, 20396), (323, 20450), (348, 20543), (361, 20582),

Gene: Vendetta_26 Start: 19531, Stop: 20649, Start Num: 58
Candidate Starts for Vendetta_26:
(Start: 58 @19531 has 72 MA's), (79, 19573), (103, 19621), (107, 19633), (131, 19735), (157, 19822), (158, 19825), (178, 19909), (184, 19927), (205, 20002), (230, 20122), (267, 20257), (281, 20320), (288, 20344), (310, 20425), (312, 20434), (322, 20473), (325, 20491), (327, 20503), (328, 20506), (329, 20509), (345, 20569),

Gene: ViviJ_22 Start: 19631, Stop: 20716, Start Num: 58
Candidate Starts for ViviJ_22:
(37, 19580), (Start: 58 @19631 has 72 MA's), (77, 19667), (85, 19682), (98, 19706), (110, 19745), (128, 19829), (160, 19940), (166, 19964), (167, 19967), (209, 20114), (232, 20219), (293, 20453), (300, 20471), (323, 20567), (328, 20594), (348, 20660), (356, 20684),

Gene: Vordorf_28 Start: 22926, Stop: 23990, Start Num: 66
Candidate Starts for Vordorf_28:
(Start: 66 @22926 has 5 MA's), (81, 22959), (92, 22977), (106, 23016), (107, 23019), (117, 23055), (119, 23061), (120, 23067), (197, 23355), (209, 23394), (225, 23475), (227, 23481), (242, 23529), (248, 23547), (265, 23622), (278, 23673), (290, 23718), (293, 23721), (328, 23868), (339, 23898), (358, 23964), (364, 23982),

Gene: Walrus_29 Start: 22859, Stop: 23926, Start Num: 55
Candidate Starts for Walrus_29:
(Start: 55 @22859 has 46 MA's), (73, 22889), (97, 22937), (102, 22952), (115, 22994), (132, 23066), (143, 23090), (145, 23099), (160, 23159), (170, 23195), (175, 23216), (191, 23273), (195, 23291), (196, 23297), (205, 23330), (210, 23345), (240, 23471), (266, 23567), (279, 23627), (281, 23633), (292, 23663), (315, 23744), (361, 23909),

Gene: Waterfoul_23 Start: 19795, Stop: 20880, Start Num: 58
Candidate Starts for Waterfoul_23:
(37, 19744), (Start: 58 @19795 has 72 MA's), (77, 19831), (85, 19846), (98, 19870), (110, 19909), (128, 19993), (160, 20104), (166, 20128), (167, 20131), (209, 20278), (232, 20383), (293, 20617), (300, 20635), (323, 20731), (328, 20758), (348, 20824), (356, 20848),

Gene: Webster2_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Webster2_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Weirdo19_21 Start: 18379, Stop: 19518, Start Num: 53
Candidate Starts for Weirdo19_21:
(6, 17932), (7, 17980), (21, 18148), (32, 18304), (42, 18346), (Start: 53 @18379 has 2 MA's), (Start: 66 @18394 has 5 MA's), (69, 18400), (88, 18445), (113, 18511), (118, 18532), (197, 18841), (210, 18886), (217, 18925), (221, 18943), (236, 18988), (250, 19051), (253, 19060), (289, 19219), (291, 19225), (323, 19372), (328, 19399), (335, 19417), (339, 19429), (363, 19510),

Gene: Wendigo_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Wendigo_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336,

19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: WheatThin_24 Start: 19505, Stop: 20605, Start Num: 62
Candidate Starts for WheatThin_24:
(Start: 62 @19505 has 27 MA's), (88, 19556), (116, 19637), (173, 19850), (181, 19886), (213, 19994), (237, 20081), (267, 20216), (276, 20252), (278, 20261), (286, 20297), (302, 20363), (311, 20408), (323, 20459), (328, 20486), (335, 20504), (358, 20582), (363, 20597),

Gene: Wheezy_42 Start: 31462, Stop: 32589, Start Num: 58
Candidate Starts for Wheezy_42:
(Start: 58 @31462 has 72 MA's), (111, 31567), (156, 31741), (174, 31816), (193, 31894), (201, 31927), (218, 32008), (226, 32053), (232, 32074), (241, 32107), (257, 32167), (347, 32521), (358, 32554),

Gene: WhoseManz_44 Start: 29160, Stop: 30275, Start Num: 62
Candidate Starts for WhoseManz_44:
(Start: 62 @29160 has 27 MA's), (80, 29202), (95, 29226), (111, 29262), (123, 29310), (133, 29358), (174, 29511), (221, 29718), (223, 29724), (230, 29754), (270, 29904), (277, 29937), (284, 29970), (289, 29982), (328, 30138), (343, 30192), (347, 30207), (356, 30234),

Gene: William_28 Start: 22377, Stop: 23441, Start Num: 55
Candidate Starts for William_28:
(Start: 55 @22377 has 46 MA's), (97, 22455), (104, 22476), (115, 22512), (116, 22515), (118, 22521), (160, 22677), (163, 22692), (170, 22713), (175, 22734), (179, 22752), (195, 22806), (210, 22860), (240, 22986), (279, 23142), (281, 23148), (292, 23178), (327, 23313), (337, 23346), (341, 23355), (356, 23409), (361, 23424), (363, 23430),

Gene: WilliamBoone_55 Start: 33575, Stop: 34657, Start Num: 61
Candidate Starts for WilliamBoone_55:
(Start: 61 @33575 has 25 MA's), (78, 33614), (115, 33710), (131, 33782), (159, 33872), (258, 34244), (277, 34319), (289, 34361), (310, 34454), (327, 34529), (359, 34640),

Gene: Wintermute_26 Start: 20925, Stop: 22022, Start Num: 56
Candidate Starts for Wintermute_26:
(18, 20676), (22, 20703), (36, 20874), (Start: 56 @20925 has 24 MA's), (68, 20937), (112, 21045), (120, 21078), (160, 21234), (167, 21261), (188, 21330), (197, 21363), (225, 21480), (232, 21504), (244, 21546), (253, 21573), (300, 21756), (326, 21870), (328, 21879), (361, 21984),

Gene: Wishmaker_24 Start: 19750, Stop: 20853, Start Num: 67
Candidate Starts for Wishmaker_24:
(15, 19483), (Start: 67 @19750 has 23 MA's), (110, 19855), (112, 19861), (113, 19864), (116, 19879), (117, 19882), (118, 19885), (119, 19888), (121, 19897), (144, 19981), (150, 19996), (160, 20047), (179, 20116), (181, 20122), (185, 20134), (188, 20143), (209, 20215), (221, 20278), (231, 20308), (232, 20311), (254, 20407), (263, 20446), (266, 20461), (291, 20560), (294, 20569), (309, 20641), (326, 20725), (338, 20758), (339, 20764), (363, 20845),

Gene: Wisp_26 Start: 22029, Stop: 23096, Start Num: 55
Candidate Starts for Wisp_26:
(Start: 55 @22029 has 46 MA's), (73, 22059), (97, 22107), (102, 22122), (115, 22164), (116, 22167), (118, 22173), (139, 22251), (143, 22260), (145, 22269), (160, 22329), (170, 22365), (191, 22443), (195, 22461), (196, 22467), (205, 22500), (210, 22515), (240, 22641), (266, 22737), (281, 22803), (292, 22833), (361, 23079),

Gene: Wocket_29 Start: 22996, Stop: 24063, Start Num: 55

Candidate Starts for Wocket_29:
(Start: 55 @22996 has 46 MA's), (97, 23074), (102, 23089), (115, 23131), (118, 23140), (145, 23236), (160, 23296), (170, 23332), (175, 23353), (179, 23371), (190, 23407), (195, 23428), (196, 23434), (203, 23461), (210, 23482), (240, 23608), (281, 23770), (292, 23800), (293, 23806), (341, 23977), (361, 24046),

Gene: Ximenita_25 Start: 18805, Stop: 19887, Start Num: 51
Candidate Starts for Ximenita_25:
(Start: 51 @18805 has 152 MA's), (64, 18820), (94, 18877), (106, 18913), (112, 18931), (158, 19114), (166, 19144), (167, 19147), (188, 19216), (232, 19390), (238, 19411), (240, 19417), (293, 19624), (348, 19831), (356, 19855), (361, 19870),

Gene: Y10_26 Start: 20925, Stop: 22022, Start Num: 56
Candidate Starts for Y10_26:
(18, 20676), (22, 20703), (36, 20874), (Start: 56 @20925 has 24 MA's), (68, 20937), (112, 21045), (120, 21078), (160, 21234), (167, 21261), (188, 21330), (197, 21363), (225, 21480), (232, 21504), (244, 21546), (253, 21573), (300, 21756), (326, 21870), (328, 21879), (361, 21984),

Gene: Y2_26 Start: 20925, Stop: 22022, Start Num: 56
Candidate Starts for Y2_26:
(18, 20676), (22, 20703), (36, 20874), (Start: 56 @20925 has 24 MA's), (68, 20937), (112, 21045), (120, 21078), (160, 21234), (167, 21261), (188, 21330), (197, 21363), (225, 21480), (232, 21504), (244, 21546), (253, 21573), (300, 21756), (326, 21870), (328, 21879), (361, 21984),

Gene: YangYin_20 Start: 19322, Stop: 20464, Start Num: 34
Candidate Starts for YangYin_20:
(Start: 34 @19322 has 69 MA's), (74, 19406), (83, 19424), (105, 19475), (110, 19490), (127, 19571), (162, 19697), (188, 19784), (197, 19826), (216, 19901), (218, 19910), (233, 19970), (243, 20012), (306, 20264), (322, 20315), (342, 20387), (361, 20453),

Gene: YasnayaPolyana_26 Start: 20926, Stop: 22023, Start Num: 56
Candidate Starts for YasnayaPolyana_26:
(18, 20677), (22, 20704), (36, 20875), (Start: 56 @20926 has 24 MA's), (68, 20938), (112, 21046), (120, 21079), (160, 21235), (167, 21262), (188, 21331), (197, 21364), (225, 21481), (232, 21505), (244, 21547), (253, 21574), (300, 21757), (326, 21871), (328, 21880), (361, 21985),

Gene: Yndexa_44 Start: 31114, Stop: 32229, Start Num: 62
Candidate Starts for Yndexa_44:
(Start: 62 @31114 has 27 MA's), (80, 31156), (95, 31180), (111, 31216), (123, 31264), (133, 31312), (174, 31465), (221, 31672), (223, 31678), (230, 31708), (253, 31783), (270, 31858), (277, 31891), (284, 31924), (289, 31936), (328, 32092), (343, 32146), (347, 32161), (356, 32188),

Gene: YoureAdopted_24 Start: 19450, Stop: 20532, Start Num: 51
Candidate Starts for YoureAdopted_24:
(Start: 51 @19450 has 152 MA's), (106, 19558), (112, 19576), (116, 19594), (166, 19789), (167, 19792), (188, 19861), (209, 19933), (232, 20035), (293, 20269), (308, 20329), (323, 20383), (348, 20476), (361, 20515),

Gene: Yuna_26 Start: 19410, Stop: 20495, Start Num: 51
Candidate Starts for Yuna_26:
(Start: 51 @19410 has 152 MA's), (Start: 61 @19422 has 25 MA's), (85, 19470), (94, 19485), (106, 19521), (112, 19539), (116, 19557), (158, 19722), (166, 19752), (167, 19755), (188, 19824), (195, 19845), (198, 19860), (240, 20025), (275, 20166), (293, 20232), (314, 20307), (322, 20340), (336,

20394), (361, 20478),

Gene: Yunkel11_25 Start: 18700, Stop: 19782, Start Num: 51
Candidate Starts for Yunkel11_25:
(Start: 51 @18700 has 152 MA's), (106, 18808), (112, 18826), (166, 19039), (167, 19042), (188, 19111), (209, 19183), (232, 19285), (293, 19519), (308, 19579), (323, 19633), (348, 19726), (361, 19765),

Gene: Yvonnetastic_52 Start: 35837, Stop: 36913, Start Num: 61
Candidate Starts for Yvonnetastic_52:
(Start: 61 @35837 has 25 MA's), (102, 35927), (116, 35975), (131, 36044), (174, 36185), (189, 36236), (194, 36260), (230, 36407), (255, 36494), (281, 36599), (293, 36635), (314, 36725), (356, 36890),

Gene: Zabiza_25 Start: 19481, Stop: 20563, Start Num: 51
Candidate Starts for Zabiza_25:
(Start: 51 @19481 has 152 MA's), (106, 19589), (112, 19607), (116, 19625), (166, 19820), (167, 19823), (188, 19892), (209, 19964), (232, 20066), (293, 20300), (308, 20360), (323, 20414), (348, 20507), (361, 20546),

Gene: Zarbodnamra_27 Start: 22318, Stop: 23385, Start Num: 55
Candidate Starts for Zarbodnamra_27:
(Start: 55 @22318 has 46 MA's), (73, 22348), (97, 22396), (102, 22411), (115, 22453), (116, 22456), (118, 22462), (139, 22540), (143, 22549), (145, 22558), (160, 22618), (190, 22729), (195, 22750), (196, 22756), (205, 22789), (210, 22804), (240, 22930), (266, 23026), (279, 23086), (281, 23092), (292, 23122), (315, 23203), (361, 23368),

Gene: Zavala_25 Start: 19456, Stop: 20538, Start Num: 51
Candidate Starts for Zavala_25:
(Start: 51 @19456 has 152 MA's), (106, 19564), (112, 19582), (116, 19600), (166, 19795), (167, 19798), (188, 19867), (209, 19939), (224, 20014), (232, 20041), (293, 20275), (308, 20335), (323, 20389), (348, 20482), (361, 20521),

Gene: ZiggyZoo_27 Start: 22235, Stop: 23302, Start Num: 55
Candidate Starts for ZiggyZoo_27:
(Start: 55 @22235 has 46 MA's), (73, 22265), (97, 22313), (102, 22328), (115, 22370), (139, 22457), (143, 22466), (145, 22475), (160, 22535), (170, 22571), (190, 22646), (195, 22667), (196, 22673), (205, 22706), (210, 22721), (240, 22847), (266, 22943), (279, 23003), (281, 23009), (292, 23039), (315, 23120), (361, 23285),

Gene: Zilla_27 Start: 22336, Stop: 23403, Start Num: 55
Candidate Starts for Zilla_27:
(Start: 55 @22336 has 46 MA's), (73, 22366), (97, 22414), (102, 22429), (115, 22471), (116, 22474), (118, 22480), (139, 22558), (143, 22567), (145, 22576), (160, 22636), (170, 22672), (191, 22750), (195, 22768), (196, 22774), (205, 22807), (210, 22822), (240, 22948), (266, 23044), (281, 23110), (292, 23140), (361, 23386),

Gene: ZoMa_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for ZoMa_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),

Gene: Zodiariah_20 Start: 18322, Stop: 19425, Start Num: 62
Candidate Starts for Zodiariah_20:
(Start: 62 @18322 has 27 MA's), (88, 18376), (179, 18700), (181, 18706), (199, 18766), (271, 19051), (275, 19069), (276, 19072), (286, 19117), (291, 19129), (298, 19162), (302, 19183), (323, 19279), (338, 19330), (339, 19336), (363, 19417),

Gene: ZoeJ_21 Start: 17280, Stop: 18359, Start Num: 51
Candidate Starts for ZoeJ_21:
(27, 17139), (Start: 51 @17280 has 152 MA's), (98, 17355), (106, 17382), (112, 17400), (120, 17433), (167, 17616), (188, 17685), (197, 17718), (232, 17859), (240, 17886), (253, 17928), (258, 17961), (293, 18093), (314, 18168), (323, 18207), (328, 18234),

Gene: Zombie_20 Start: 18861, Stop: 19997, Start Num: 34
Candidate Starts for Zombie_20:
(16, 18657), (30, 18816), (Start: 34 @18861 has 69 MA's), (74, 18939), (75, 18942), (77, 18945), (83, 18957), (94, 18975), (105, 19008), (110, 19023), (127, 19104), (160, 19218), (162, 19230), (188, 19317), (192, 19338), (216, 19434), (237, 19512), (272, 19665), (300, 19758), (322, 19848), (336, 19902), (341, 19917), (342, 19920), (345, 19935), (359, 19980), (360, 19983),