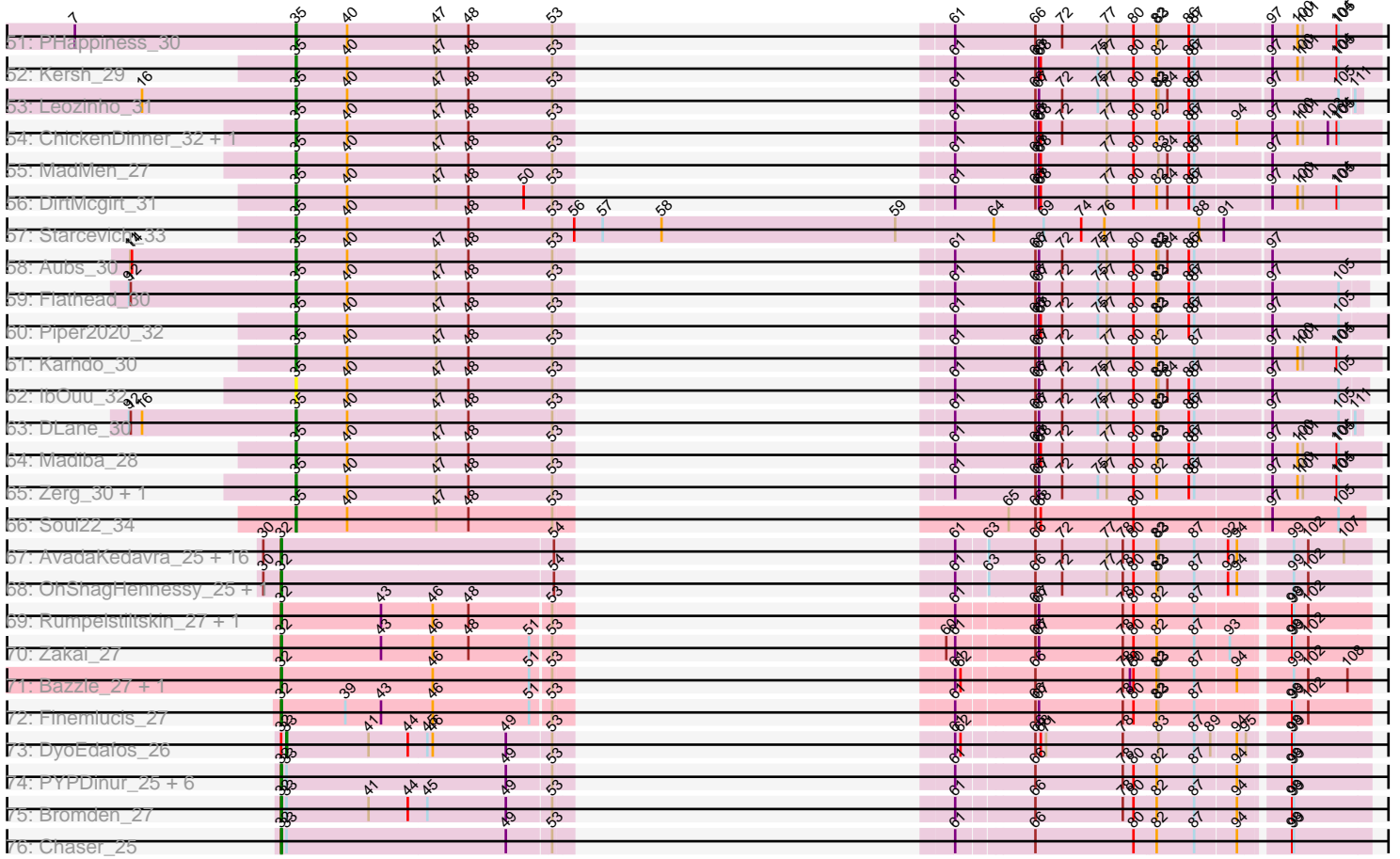


Pham 195436



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 195436 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195436 has 184 members, 14 are drafts.

Phages represented in each track:

- Track 1 : Nozo_46, ChaChing_46
- Track 2 : Halfpint_45
- Track 3 : Yahalom_46, Chandler_46, Daisy_46, Deenasa_46, RomaT_46, Phlyer_46, Yinz_46, Corofin_46, Heathcliff_46, Akoma_46, SynergyX_46, RagingRooster_46, Tydolla_46, Kronus_45
- Track 4 : MmasiCarm_46, Phayeta_47, Mortcellus_45, Devonte_46, Casbah_45, Rita1961_46, Obutu_46, Gervas_46, LestyG_46, Ben11_45, Marley1013_46, SlippinJimmy_46
- Track 5 : Pipefish_48
- Track 6 : Briakila_47, Gadget_47, Neos5_46, OrangeOswald_46, Athena_47, Jackstina_43, HarveySr_46, Philly_45, Compostia_47
- Track 7 : Abinghost_46, Baloo_46, Audrey_46
- Track 8 : Kamiyu_46
- Track 9 : Bernardo_47
- Track 10 : Phaedrus_44
- Track 11 : GlenHope_47
- Track 12 : Morty007_46
- Track 13 : Shauna1_27, MilleniumForce_31, Phanphagia_27, Taj_30, Wee_31, Kenuha5_27, DeadP_30, Ardmore_29
- Track 14 : Fruitloop_29, Filuzino_30, Batiatus_30, Melissauren88_30
- Track 15 : Veteran_30, GigiOuiOui_30, Phasih_31, GUmbie_30, Mantra_30
- Track 16 : Daenerys_30, JoeyJr_30, Scottish_31, Doomphist_30, Poenanya_30
- Track 17 : ArcusAngelus_30, Chevrolet_30
- Track 18 : Bobi_32
- Track 19 : Hegedechwinu_31, Juice456_31
- Track 20 : Akhila_24, MilanaBonita_24
- Track 21 : MulchExplorer_33, QuickMath_31, Kimberlium_32
- Track 22 : Eish_30
- Track 23 : Ogotopogo_30
- Track 24 : Llama_30, Seabastian_30, OfUltron_30, Jinglebell_29, Modragons_30, Oksu_31, AlpineSix_31
- Track 25 : DotProduct_30
- Track 26 : Awesomesauce_31, Misha28_31, TootsiePop_31
- Track 27 : StAnnes_28
- Track 28 : ShroomBoi_27, Mova_31
- Track 29 : Hlubikazi_30, Mandlovu_30, Strokeseat_30
- Track 30 : Rockne_30, Phatniss_31, PMC_30, UncleRicky_33, Llij_30, Drago_31

- Track 31 : Bipolar_27
- Track 32 : Coco12_29, JalFarm20_32
- Track 33 : Fancypants_30
- Track 34 : DaWorst_32
- Track 35 : Brocalys_25, Pippy_24
- Track 36 : Tweety_30
- Track 37 : Kingsley_28
- Track 38 : BlueCrab_30, Nimbo_30
- Track 39 : OwlsT2W_31
- Track 40 : Latretium_31
- Track 41 : Donkeykong_30
- Track 42 : Crumble_24
- Track 43 : Hamulus_30
- Track 44 : lbhubesi_30, Harley_30
- Track 45 : Florinda_30, Quico_31, Girafales_31
- Track 46 : Geralt_30, Deb65_30
- Track 47 : Juniper1_30
- Track 48 : Ochi17_28
- Track 49 : Ms6_24
- Track 50 : KingMidas_31
- Track 51 : PHappiness_30
- Track 52 : Kersh_29
- Track 53 : Leozinho_31
- Track 54 : ChickenDinner_32, DocMcStuffins_32
- Track 55 : MadMen_27
- Track 56 : DirtMcgirt_31
- Track 57 : Starcevich_33
- Track 58 : Aubs_30
- Track 59 : Flathead_30
- Track 60 : Piper2020_32
- Track 61 : Karhdo_30
- Track 62 : lbOuu_32
- Track 63 : DLane_30
- Track 64 : Madiba_28
- Track 65 : Zerg_30, RockyHorror_31
- Track 66 : Soul22_34
- Track 67 : AvadaKedavra_25, Calm_25, Tyson_25, CicholasNage_25, Halena_25, Wyatt2_25, Wamburggrxpress_25, MAckerman_25, Zaria_25, Acquire49_25, Appletree2_25, UPIE_25, Enceladus_25, DirkDirk_25, Rose5_25, Silverleaf_25, LeBron_25
- Track 68 : OhShagHennessy_25, JoeDirt_25
- Track 69 : Rumpelstiltskin_27, Gabriela_27
- Track 70 : Zakai_27
- Track 71 : Bazzle_27, Archie_27
- Track 72 : Finemlucis_27
- Track 73 : DyoEdafos_26
- Track 74 : PYPDinur_25, Douzhi_25, FarmResident_25, Douge_25, Sheng711_25, Quby_25, BrainDrainer_26
- Track 75 : Bromden_27
- Track 76 : Chaser_25

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

The start number called the most often in the published annotations is 35, it was called in 96 of the 170 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Akhila_24, AlpineSix_31, ArcusAngelus_30, Ardmore_29, Aubs_30, Awesomesauce_31, Batiatus_30, Bipolar_27, BlueCrab_30, Bobi_32, Brocalys_25, Chevrolet_30, ChickenDinner_32, Coco12_29, Crumble_24, DLane_30, DaWorst_32, Daenerys_30, DeadP_30, Deb65_30, DirtMcgirt_31, DocMcStuffins_32, Donkeykong_30, Doomphist_30, DotProduct_30, Drago_31, Eish_30, Fancypants_30, Filuzino_30, Flathead_30, Florinda_30, Fruitloop_29, GUmble_30, Geralt_30, GigiOuiOui_30, Girafales_31, Hamulus_30, Harley_30, Hegedechwinu_31, Hlubikazi_30, IbOuu_32, Ihubesi_30, JalFarm20_32, Jinglebell_29, JoeyJr_30, Juice456_31, Juniper1_30, Karhdo_30, Kenuha5_27, Kersh_29, Kimberlium_32, KingMidas_31, Kingsley_28, Latretium_31, Leozinho_31, Llama_30, Llij_30, MadMen_27, Madiba_28, Mandlovu_30, Mantra_30, Melissauren88_30, MilanaBonita_24, MilleniumForce_31, Misha28_31, Modragons_30, Mova_31, Ms6_24, MulchExplorer_33, Nimbo_30, Ochi17_28, OfUltron_30, Ogotogo_30, Oksu_31, OwlsT2W_31, PHappiness_30, PMC_30, Phanphagia_27, Phasih_31, Phatniss_31, Piper2020_32, Pippy_24, Poenanya_30, QuickMath_31, Quico_31, Rockne_30, RockyHorror_31, Scottish_31, Seabastian_30, Shauna1_27, ShroomBoi_27, Soul22_34, StAnnes_28, Starcevich_33, Strokeseat_30, Taj_30, TootsiePop_31, Tweety_30, UncleRicky_33, Veteran_30, Wee_31, Zerg_30,

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

-

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

- Abinghost_46, Acquire49_25, Akoma_46, Appletree2_25, Archie_27, Athena_47, Audrey_46, AvadaKedavra_25, Baloo_46, Bazzle_27, Ben11_45, Bernardo_47, BrainDrainer_26, Briakila_47, Bromden_27, Calm_25, Casbah_45, ChaChing_46, Chandler_46, Chaser_25, CicholasNage_25, Compostia_47, Corofin_46, Daisy_46, Deenasa_46, Devonte_46, DirkDirk_25, Douge_25, Douzhi_25, DyoEdafos_26, Enceladus_25, FarmResident_25, Finemlucis_27, Gabriela_27, Gadget_47, Gervas_46, GlenHope_47, Halena_25, Halfpint_45, HarveySr_46, Heathcliff_46, Jackstina_43, JoeDirt_25, Kamiyu_46, Kronus_45, LeBron_25, LestyG_46, MAckerman_25, Marley1013_46, MmasiCarm_46, Mortcellus_45, Morty007_46, Neos5_46, Nozo_46, Obutu_46, OhShagHennessy_25, OrangeOswald_46, PYPDinur_25, Phaedrus_44, Phayeta_47, Philly_45, Phlyer_46, Pipefish_48, Quby_25, RagingRooster_46, Rita1961_46, RomaT_46, Rose5_25, Rumpelstiltskin_27, Sheng711_25, Silverleaf_25, SlippinJimmy_46, SynergyX_46, Tydolla_46, Tyson_25, UPIE_25, Wamburgxpress_25, Wyatt2_25, Yahalom_46, Yinz_46, Zakai_27, Zaria_25,

Summary by start number:

Start 22:

- Found in 15 of 184 (8.2%) of genes in pham
- Manual Annotations of this start: 1 of 170
- Called 6.7% of time when present

- Phage (with cluster) where this start called: Bernardo_47 (B3),

Start 24:

- Found in 2 of 184 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 170
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Kamiyu_46 (B3),

Start 27:

- Found in 27 of 184 (14.7%) of genes in pham
- Manual Annotations of this start: 10 of 170
- Called 37.0% of time when present
- Phage (with cluster) where this start called: Athena_47 (B3), Briakila_47 (B3), Compostia_47 (B3), Gadjet_47 (B3), GlenHope_47 (B3), HarveySr_46 (B3), Jackstina_43 (B3), Neos5_46 (B3), OrangeOswald_46 (B3), Philly_45 (B3),

Start 29:

- Found in 27 of 184 (14.7%) of genes in pham
- Manual Annotations of this start: 14 of 170
- Called 51.9% of time when present
- Phage (with cluster) where this start called: Akoma_46 (B3), Chandler_46 (B3), Corofin_46 (B3), Daisy_46 (B3), Deenasa_46 (B3), Heathcliff_46 (B3), Kronus_45 (B3), Phlyer_46 (B3), RagingRooster_46 (B3), RomaT_46 (B3), SynergyX_46 (B3), Tydolla_46 (B3), Yahalom_46 (B3), Yinz_46 (B3),

Start 31:

- Found in 47 of 184 (25.5%) of genes in pham
- Manual Annotations of this start: 17 of 170
- Called 40.4% of time when present
- Phage (with cluster) where this start called: Abinghost_46 (B3), Audrey_46 (B3), Baloo_46 (B3), Ben11_45 (B3), Casbah_45 (B3), ChaChing_46 (B3), Devonte_46 (B3), Gervas_46 (B3), Halfpint_45 (B3), LestyG_46 (B3), Marley1013_46 (B3), MmasiCarm_46 (B3), Mortcellus_45 (B3), Nozo_46 (B3), Obutu_46 (B3), Phayeta_47 (B3), Pipefish_48 (B3), Rita1961_46 (B3), SlippinJimmy_46 (B3),

Start 32:

- Found in 35 of 184 (19.0%) of genes in pham
- Manual Annotations of this start: 28 of 170
- Called 97.1% of time when present
- Phage (with cluster) where this start called: Acquire49_25 (L1), Appletree2_25 (L1), Archie_27 (L2), AvadaKedavra_25 (L1), Bazzle_27 (L2), BrainDrainer_26 (L4), Bromden_27 (L4), Calm_25 (L1), Chaser_25 (L4), CicholasNage_25 (L1), DirkDirk_25 (L1), Douge_25 (L4), Douzhi_25 (L4), Enceladus_25 (L1), FarmResident_25 (L4), Finemlucis_27 (L2), Gabriela_27 (L2), Halena_25 (L1), JoeDirt_25 (L1), LeBron_25 (L1), MAckerman_25 (L1), OhShagHennessy_25 (L1), PYPDinur_25 (L4), Quby_25 (L4), Rose5_25 (L1), Rumpelstiltskin_27 (L2), Sheng711_25 (L4), Silverleaf_25 (L1), Tyson_25 (L1), UPIE_25 (L1), Wamburgxpress_25 (L1), Wyatt2_25 (L1), Zakai_27 (L2), Zaria_25 (L1),

Start 33:

- Found in 10 of 184 (5.4%) of genes in pham
- Manual Annotations of this start: 1 of 170
- Called 10.0% of time when present

- Phage (with cluster) where this start called: DyoEdafos_26 (L4),

Start 34:

- Found in 47 of 184 (25.5%) of genes in pham
- Manual Annotations of this start: 1 of 170
- Called 2.1% of time when present
- Phage (with cluster) where this start called: Morty007_46 (B3),

Start 35:

- Found in 102 of 184 (55.4%) of genes in pham
- Manual Annotations of this start: 96 of 170
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Akhila_24 (F1), AlpineSix_31 (F1), ArcusAngelus_30 (F1), Ardmore_29 (F1), Aubs_30 (F1), Awesomesauce_31 (F1), Batiatus_30 (F1), Bipolar_27 (F1), BlueCrab_30 (F1), Bobi_32 (F1), Brocalys_25 (F1), Chevrolet_30 (F1), ChickenDinner_32 (F1), Coco12_29 (F1), Crumble_24 (F1), DLane_30 (F1), DaWorst_32 (F1), Daenerys_30 (F1), DeadP_30 (F1), Deb65_30 (F1), DirtMcgirt_31 (F1), DocMcStuffins_32 (F1), Donkeykong_30 (F1), Doomphist_30 (F1), DotProduct_30 (F1), Drago_31 (F1), Eish_30 (F1), Fancypants_30 (F1), Filuzino_30 (F1), Flathead_30 (F1), Florinda_30 (F1), Fruitloop_29 (F1), GUmbie_30 (F1), Geralt_30 (F1), GigiOuiOui_30 (F1), Girafales_31 (F1), Hamulus_30 (F1), Harley_30 (F1), Hegedechwinu_31 (F1), Hlubikazi_30 (F1), IbOuu_32 (F1), Ibhubesi_30 (F1), JalFarm20_32 (F1), Jinglebell_29 (F1), JoeyJr_30 (F1), Juice456_31 (F1), Juniper1_30 (F1), Karhdo_30 (F1), Kenuha5_27 (F1), Kersh_29 (F1), Kimberlium_32 (F1), KingMidas_31 (F1), Kingsley_28 (F1), Latretium_31 (F1), Leozinho_31 (F1), Llama_30 (F1), Llij_30 (F1), MadMen_27 (F1), Madiba_28 (F1), Mandlovu_30 (F1), Mantra_30 (F1), Melissauren88_30 (F1), MilanaBonita_24 (F1), MilleniumForce_31 (F1), Misha28_31 (F1), Modragons_30 (F1), Mova_31 (F1), Ms6_24 (F1), MulchExplorer_33 (F1), Nimbo_30 (F1), Ochi17_28 (F1), OfUltron_30 (F1), Ogopogo_30 (F1), Oksu_31 (F1), OwlsT2W_31 (F1), PHappiness_30 (F1), PMC_30 (F1), Phanphagia_27 (F1), Phasih_31 (F1), Phatniss_31 (F1), Piper2020_32 (F1), Pippy_24 (F1), Poenanya_30 (F1), QuickMath_31 (F1), Quico_31 (F1), Rockne_30 (F1), RockyHorror_31 (F1), Scottish_31 (F1), Seabastian_30 (F1), Shauna1_27 (F1), ShroomBoi_27 (F1), Soul22_34 (F2), StAnnes_28 (F1), Starceвич_33 (F1), Strokeseat_30 (F1), Taj_30 (F1), TootsiePop_31 (F1), Tweety_30 (F1), UncleRicky_33 (F1), Veteran_30 (F1), Wee_31 (F1), Zerg_30 (F1),

Start 42:

- Found in 47 of 184 (25.5%) of genes in pham
- Manual Annotations of this start: 1 of 170
- Called 2.1% of time when present
- Phage (with cluster) where this start called: Phaedrus_44 (B3),

Summary by clusters:

There are 6 clusters represented in this pham: F1, F2, B3, L4, L2, L1,

Info for manual annotations of cluster B3:

- Start number 22 was manually annotated 1 time for cluster B3.
- Start number 24 was manually annotated 1 time for cluster B3.
- Start number 27 was manually annotated 10 times for cluster B3.
- Start number 29 was manually annotated 14 times for cluster B3.

- Start number 31 was manually annotated 17 times for cluster B3.
- Start number 34 was manually annotated 1 time for cluster B3.
- Start number 42 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster F1:

- Start number 35 was manually annotated 95 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 35 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster L1:

- Start number 32 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 32 was manually annotated 6 times for cluster L2.

Info for manual annotations of cluster L4:

- Start number 32 was manually annotated 3 times for cluster L4.
- Start number 33 was manually annotated 1 time for cluster L4.

Gene Information:

Gene: Abinghost_46 Start: 40308, Stop: 41531, Start Num: 31

Candidate Starts for Abinghost_46:

(Start: 31 @40308 has 17 MA's), (Start: 34 @40329 has 1 MA's), (36, 40356), (37, 40371), (38, 40413), (Start: 42 @40464 has 1 MA's), (45, 40554), (47, 40569), (49, 40683), (55, 40785), (65, 40947), (66, 40992), (67, 40998), (68, 41001), (70, 41007), (72, 41037), (78, 41139), (82, 41196), (86, 41247), (89, 41283), (90, 41295), (94, 41328), (96, 41343), (106, 41493),

Gene: Acquire49_25 Start: 24375, Stop: 25547, Start Num: 32

Candidate Starts for Acquire49_25:

(30, 24345), (Start: 32 @24375 has 28 MA's), (54, 24822), (61, 24900), (63, 24945), (66, 25020), (72, 25065), (77, 25140), (78, 25167), (80, 25185), (82, 25221), (83, 25224), (87, 25284), (92, 25335), (94, 25350), (99, 25419), (102, 25443), (107, 25503),

Gene: Akhila_24 Start: 22445, Stop: 23599, Start Num: 35

Candidate Starts for Akhila_24:

(Start: 35 @22445 has 96 MA's), (40, 22529), (47, 22679), (48, 22733), (53, 22874), (61, 22955), (66, 23081), (67, 23087), (72, 23126), (75, 23186), (77, 23201), (80, 23243), (82, 23279), (83, 23282), (86, 23333), (87, 23342), (97, 23456), (105, 23567), (111, 23588),

Gene: Akoma_46 Start: 40271, Stop: 41536, Start Num: 29

Candidate Starts for Akoma_46:

(26, 40241), (Start: 27 @40259 has 10 MA's), (28, 40262), (Start: 29 @40271 has 14 MA's), (Start: 31 @40313 has 17 MA's), (Start: 34 @40334 has 1 MA's), (36, 40361), (37, 40376), (38, 40418), (Start: 42 @40469 has 1 MA's), (45, 40559), (47, 40574), (49, 40688), (55, 40790), (65, 40952), (66, 40997), (67, 41003), (68, 41006), (70, 41012), (72, 41042), (78, 41144), (82, 41201), (86, 41252), (89, 41288), (90, 41300), (94, 41333), (96, 41348), (106, 41498),

Gene: AlpineSix_31 Start: 26536, Stop: 27729, Start Num: 35

Candidate Starts for AlpineSix_31:

(Start: 35 @26536 has 96 MA's), (40, 26620), (47, 26770), (48, 26824), (53, 26965), (61, 27046), (66, 27172), (75, 27277), (77, 27292), (80, 27334), (82, 27370), (83, 27373), (86, 27424), (87, 27433), (97, 27547), (100, 27589), (101, 27598), (104, 27655), (105, 27658),

Gene: Appletree2_25 Start: 24318, Stop: 25490, Start Num: 32

Candidate Starts for Appletree2_25:

(30, 24288), (Start: 32 @24318 has 28 MA's), (54, 24765), (61, 24843), (63, 24888), (66, 24963), (72, 25008), (77, 25083), (78, 25110), (80, 25128), (82, 25164), (83, 25167), (87, 25227), (92, 25278), (94, 25293), (99, 25362), (102, 25386), (107, 25446),

Gene: Archie_27 Start: 25565, Stop: 26734, Start Num: 32

Candidate Starts for Archie_27:

(Start: 32 @25565 has 28 MA's), (46, 25817), (51, 25979), (53, 26006), (61, 26087), (62, 26096), (66, 26207), (78, 26354), (79, 26366), (80, 26372), (82, 26408), (83, 26411), (87, 26471), (94, 26537), (99, 26606), (102, 26630), (108, 26696),

Gene: ArcusAngelus_30 Start: 26307, Stop: 27473, Start Num: 35

Candidate Starts for ArcusAngelus_30:

(Start: 35 @26307 has 96 MA's), (40, 26391), (47, 26541), (48, 26595), (53, 26736), (61, 26817), (66, 26943), (67, 26949), (72, 26988), (77, 27063), (80, 27105), (82, 27141), (83, 27144), (86, 27195), (87, 27204), (97, 27318),

Gene: Ardmore_29 Start: 26362, Stop: 27516, Start Num: 35

Candidate Starts for Ardmore_29:

(9, 26089), (16, 26110), (Start: 35 @26362 has 96 MA's), (40, 26446), (47, 26596), (48, 26650), (53, 26791), (61, 26872), (66, 26998), (67, 27004), (72, 27043), (75, 27103), (77, 27118), (80, 27160), (82, 27196), (83, 27199), (86, 27250), (87, 27259), (97, 27373), (105, 27484), (111, 27505),

Gene: Athena_47 Start: 41006, Stop: 42283, Start Num: 27

Candidate Starts for Athena_47:

(26, 40988), (Start: 27 @41006 has 10 MA's), (28, 41009), (Start: 29 @41018 has 14 MA's), (Start: 31 @41060 has 17 MA's), (Start: 34 @41081 has 1 MA's), (36, 41108), (37, 41123), (38, 41165), (Start: 42 @41216 has 1 MA's), (45, 41306), (47, 41321), (49, 41435), (55, 41537), (65, 41699), (66, 41744), (67, 41750), (68, 41753), (70, 41759), (72, 41789), (78, 41891), (82, 41948), (86, 41999), (89, 42035), (90, 42047), (94, 42080), (96, 42095), (106, 42245),

Gene: Aubs_30 Start: 26472, Stop: 27662, Start Num: 35

Candidate Starts for Aubs_30:

(11, 26199), (14, 26202), (Start: 35 @26472 has 96 MA's), (40, 26556), (47, 26706), (48, 26760), (53, 26901), (61, 26982), (66, 27108), (67, 27114), (72, 27153), (75, 27213), (77, 27228), (80, 27270), (82, 27306), (83, 27309), (84, 27324), (86, 27360), (87, 27369), (97, 27483),

Gene: Audrey_46 Start: 40308, Stop: 41531, Start Num: 31

Candidate Starts for Audrey_46:

(Start: 31 @40308 has 17 MA's), (Start: 34 @40329 has 1 MA's), (36, 40356), (37, 40371), (38, 40413), (Start: 42 @40464 has 1 MA's), (45, 40554), (47, 40569), (49, 40683), (55, 40785), (65, 40947), (66, 40992), (67, 40998), (68, 41001), (70, 41007), (72, 41037), (78, 41139), (82, 41196), (86, 41247), (89, 41283), (90, 41295), (94, 41328), (96, 41343), (106, 41493),

Gene: AvadaKedavra_25 Start: 24385, Stop: 25557, Start Num: 32

Candidate Starts for AvadaKedavra_25:

(30, 24355), (Start: 32 @24385 has 28 MA's), (54, 24832), (61, 24910), (63, 24955), (66, 25030), (72, 25075), (77, 25150), (78, 25177), (80, 25195), (82, 25231), (83, 25234), (87, 25294), (92, 25345), (94,

25360), (99, 25429), (102, 25453), (107, 25513),

Gene: Awesomesauce_31 Start: 26200, Stop: 27402, Start Num: 35

Candidate Starts for Awesomesauce_31:

(Start: 35 @26200 has 96 MA's), (40, 26284), (47, 26434), (48, 26488), (53, 26629), (61, 26710), (66, 26836), (67, 26842), (68, 26845), (72, 26881), (77, 26956), (80, 26998), (82, 27034), (86, 27088), (87, 27097), (94, 27163), (97, 27220), (100, 27262), (101, 27271), (103, 27313), (104, 27328), (105, 27331),

Gene: Baloo_46 Start: 40311, Stop: 41534, Start Num: 31

Candidate Starts for Baloo_46:

(Start: 31 @40311 has 17 MA's), (Start: 34 @40332 has 1 MA's), (36, 40359), (37, 40374), (38, 40416), (Start: 42 @40467 has 1 MA's), (45, 40557), (47, 40572), (49, 40686), (55, 40788), (65, 40950), (66, 40995), (67, 41001), (68, 41004), (70, 41010), (72, 41040), (78, 41142), (82, 41199), (86, 41250), (89, 41286), (90, 41298), (94, 41331), (96, 41346), (106, 41496),

Gene: Batiatus_30 Start: 26355, Stop: 27509, Start Num: 35

Candidate Starts for Batiatus_30:

(9, 26082), (12, 26085), (Start: 35 @26355 has 96 MA's), (40, 26439), (47, 26589), (48, 26643), (53, 26784), (61, 26865), (66, 26991), (67, 26997), (72, 27036), (75, 27096), (77, 27111), (80, 27153), (82, 27189), (83, 27192), (86, 27243), (87, 27252), (97, 27366), (105, 27477), (111, 27498),

Gene: Bazzle_27 Start: 25314, Stop: 26483, Start Num: 32

Candidate Starts for Bazzle_27:

(Start: 32 @25314 has 28 MA's), (46, 25566), (51, 25728), (53, 25755), (61, 25836), (62, 25845), (66, 25956), (78, 26103), (79, 26115), (80, 26121), (82, 26157), (83, 26160), (87, 26220), (94, 26286), (99, 26355), (102, 26379), (108, 26445),

Gene: Ben11_45 Start: 40131, Stop: 41354, Start Num: 31

Candidate Starts for Ben11_45:

(Start: 22 @40017 has 1 MA's), (23, 40020), (Start: 31 @40131 has 17 MA's), (Start: 34 @40152 has 1 MA's), (36, 40179), (37, 40194), (38, 40236), (Start: 42 @40287 has 1 MA's), (45, 40377), (47, 40392), (49, 40506), (55, 40608), (65, 40770), (66, 40815), (67, 40821), (68, 40824), (70, 40830), (72, 40860), (78, 40962), (82, 41019), (86, 41070), (89, 41106), (90, 41118), (94, 41151), (96, 41166), (106, 41316),

Gene: Bernardo_47 Start: 40743, Stop: 42080, Start Num: 22

Candidate Starts for Bernardo_47:

(Start: 22 @40743 has 1 MA's), (23, 40746), (Start: 31 @40857 has 17 MA's), (Start: 34 @40878 has 1 MA's), (36, 40905), (37, 40920), (38, 40962), (Start: 42 @41013 has 1 MA's), (45, 41103), (47, 41118), (49, 41232), (55, 41334), (65, 41496), (66, 41541), (67, 41547), (70, 41556), (72, 41586), (78, 41688), (82, 41745), (86, 41796), (89, 41832), (90, 41844), (94, 41877), (96, 41892), (106, 42042),

Gene: Bipolar_27 Start: 25385, Stop: 26593, Start Num: 35

Candidate Starts for Bipolar_27:

(Start: 35 @25385 has 96 MA's), (40, 25469), (47, 25619), (48, 25673), (53, 25814), (65, 25991), (66, 26033), (68, 26042), (78, 26180), (97, 26411), (100, 26453), (101, 26462), (104, 26519), (105, 26522), (112, 26576),

Gene: BlueCrab_30 Start: 26494, Stop: 27687, Start Num: 35

Candidate Starts for BlueCrab_30:

(Start: 35 @26494 has 96 MA's), (40, 26578), (47, 26728), (48, 26782), (53, 26923), (61, 27004), (66, 27130), (72, 27175), (77, 27250), (80, 27292), (82, 27328), (83, 27331), (86, 27382), (87, 27391), (97,

27505), (100, 27547), (101, 27556), (104, 27613), (105, 27616),

Gene: Bobi_32 Start: 27069, Stop: 28223, Start Num: 35

Candidate Starts for Bobi_32:

(1, 26622), (16, 26817), (Start: 35 @27069 has 96 MA's), (40, 27153), (47, 27303), (48, 27357), (53, 27498), (61, 27579), (66, 27705), (67, 27711), (72, 27750), (75, 27810), (77, 27825), (80, 27867), (82, 27903), (83, 27906), (86, 27957), (87, 27966), (97, 28080), (105, 28191), (111, 28212),

Gene: BrainDrainer_26 Start: 24313, Stop: 25485, Start Num: 32

Candidate Starts for BrainDrainer_26:

(Start: 32 @24313 has 28 MA's), (Start: 33 @24322 has 1 MA's), (49, 24688), (53, 24757), (61, 24838), (66, 24958), (78, 25105), (80, 25123), (82, 25159), (87, 25222), (94, 25288), (98, 25354), (99, 25357),

Gene: Briakila_47 Start: 41025, Stop: 42302, Start Num: 27

Candidate Starts for Briakila_47:

(26, 41007), (Start: 27 @41025 has 10 MA's), (28, 41028), (Start: 29 @41037 has 14 MA's), (Start: 31 @41079 has 17 MA's), (Start: 34 @41100 has 1 MA's), (36, 41127), (37, 41142), (38, 41184), (Start: 42 @41235 has 1 MA's), (45, 41325), (47, 41340), (49, 41454), (55, 41556), (65, 41718), (66, 41763), (67, 41769), (68, 41772), (70, 41778), (72, 41808), (78, 41910), (82, 41967), (86, 42018), (89, 42054), (90, 42066), (94, 42099), (96, 42114), (106, 42264),

Gene: Brocalys_25 Start: 22152, Stop: 23312, Start Num: 35

Candidate Starts for Brocalys_25:

(12, 21882), (Start: 35 @22152 has 96 MA's), (40, 22236), (47, 22386), (48, 22440), (50, 22533), (52, 22563), (54, 22584), (61, 22662), (66, 22788), (67, 22794), (77, 22908), (80, 22950), (81, 22983), (83, 22989), (87, 23049),

Gene: Bromden_27 Start: 24744, Stop: 25913, Start Num: 32

Candidate Starts for Bromden_27:

(Start: 32 @24744 has 28 MA's), (Start: 33 @24753 has 1 MA's), (41, 24888), (44, 24954), (45, 24984), (49, 25116), (53, 25185), (61, 25266), (66, 25386), (78, 25533), (80, 25551), (82, 25587), (87, 25650), (94, 25716), (98, 25782), (99, 25785),

Gene: Calm_25 Start: 24389, Stop: 25561, Start Num: 32

Candidate Starts for Calm_25:

(30, 24359), (Start: 32 @24389 has 28 MA's), (54, 24836), (61, 24914), (63, 24959), (66, 25034), (72, 25079), (77, 25154), (78, 25181), (80, 25199), (82, 25235), (83, 25238), (87, 25298), (92, 25349), (94, 25364), (99, 25433), (102, 25457), (107, 25517),

Gene: Casbah_45 Start: 40161, Stop: 41384, Start Num: 31

Candidate Starts for Casbah_45:

(Start: 22 @40047 has 1 MA's), (23, 40050), (Start: 31 @40161 has 17 MA's), (Start: 34 @40182 has 1 MA's), (36, 40209), (37, 40224), (38, 40266), (Start: 42 @40317 has 1 MA's), (45, 40407), (47, 40422), (49, 40536), (55, 40638), (65, 40800), (66, 40845), (67, 40851), (68, 40854), (70, 40860), (72, 40890), (78, 40992), (82, 41049), (86, 41100), (89, 41136), (90, 41148), (94, 41181), (96, 41196), (106, 41346),

Gene: ChaChing_46 Start: 40324, Stop: 41547, Start Num: 31

Candidate Starts for ChaChing_46:

(26, 40252), (Start: 27 @40270 has 10 MA's), (28, 40273), (Start: 29 @40282 has 14 MA's), (Start: 31 @40324 has 17 MA's), (Start: 34 @40345 has 1 MA's), (36, 40372), (37, 40387), (38, 40429), (Start: 42 @40480 has 1 MA's), (45, 40570), (47, 40585), (49, 40699), (55, 40801), (65, 40963), (66, 41008),

(67, 41014), (68, 41017), (70, 41023), (72, 41053), (78, 41155), (82, 41212), (86, 41263), (89, 41299), (90, 41311), (94, 41344), (96, 41359), (106, 41509),

Gene: Chandler_46 Start: 41050, Stop: 42315, Start Num: 29

Candidate Starts for Chandler_46:

(26, 41020), (Start: 27 @41038 has 10 MA's), (28, 41041), (Start: 29 @41050 has 14 MA's), (Start: 31 @41092 has 17 MA's), (Start: 34 @41113 has 1 MA's), (36, 41140), (37, 41155), (38, 41197), (Start: 42 @41248 has 1 MA's), (45, 41338), (47, 41353), (49, 41467), (55, 41569), (65, 41731), (66, 41776), (67, 41782), (68, 41785), (70, 41791), (72, 41821), (78, 41923), (82, 41980), (86, 42031), (89, 42067), (90, 42079), (94, 42112), (96, 42127), (106, 42277),

Gene: Chaser_25 Start: 24155, Stop: 25327, Start Num: 32

Candidate Starts for Chaser_25:

(Start: 32 @24155 has 28 MA's), (Start: 33 @24164 has 1 MA's), (49, 24530), (53, 24599), (61, 24680), (66, 24800), (80, 24965), (82, 25001), (87, 25064), (94, 25130), (98, 25196), (99, 25199),

Gene: Chevrolet_30 Start: 26308, Stop: 27474, Start Num: 35

Candidate Starts for Chevrolet_30:

(Start: 35 @26308 has 96 MA's), (40, 26392), (47, 26542), (48, 26596), (53, 26737), (61, 26818), (66, 26944), (67, 26950), (72, 26989), (77, 27064), (80, 27106), (82, 27142), (83, 27145), (86, 27196), (87, 27205), (97, 27319),

Gene: ChickenDinner_32 Start: 26938, Stop: 28140, Start Num: 35

Candidate Starts for ChickenDinner_32:

(Start: 35 @26938 has 96 MA's), (40, 27022), (47, 27172), (48, 27226), (53, 27367), (61, 27448), (66, 27574), (67, 27580), (68, 27583), (72, 27619), (77, 27694), (80, 27736), (82, 27772), (86, 27826), (87, 27835), (94, 27901), (97, 27958), (100, 28000), (101, 28009), (103, 28051), (104, 28066), (105, 28069),

Gene: CicholasNage_25 Start: 24377, Stop: 25549, Start Num: 32

Candidate Starts for CicholasNage_25:

(30, 24347), (Start: 32 @24377 has 28 MA's), (54, 24824), (61, 24902), (63, 24947), (66, 25022), (72, 25067), (77, 25142), (78, 25169), (80, 25187), (82, 25223), (83, 25226), (87, 25286), (92, 25337), (94, 25352), (99, 25421), (102, 25445), (107, 25505),

Gene: Coco12_29 Start: 25845, Stop: 27582, Start Num: 35

Candidate Starts for Coco12_29:

(9, 25572), (16, 25593), (Start: 35 @25845 has 96 MA's), (40, 25929), (47, 26079), (48, 26133), (53, 26274), (56, 26307), (57, 26355), (58, 26454), (59, 26847), (64, 27000), (69, 27078), (74, 27141), (76, 27180), (85, 27312), (88, 27333), (91, 27369),

Gene: Compostia_47 Start: 40686, Stop: 41963, Start Num: 27

Candidate Starts for Compostia_47:

(26, 40668), (Start: 27 @40686 has 10 MA's), (28, 40689), (Start: 29 @40698 has 14 MA's), (Start: 31 @40740 has 17 MA's), (Start: 34 @40761 has 1 MA's), (36, 40788), (37, 40803), (38, 40845), (Start: 42 @40896 has 1 MA's), (45, 40986), (47, 41001), (49, 41115), (55, 41217), (65, 41379), (66, 41424), (67, 41430), (68, 41433), (70, 41439), (72, 41469), (78, 41571), (82, 41628), (86, 41679), (89, 41715), (90, 41727), (94, 41760), (96, 41775), (106, 41925),

Gene: Corofin_46 Start: 40293, Stop: 41558, Start Num: 29

Candidate Starts for Corofin_46:

(26, 40263), (Start: 27 @40281 has 10 MA's), (28, 40284), (Start: 29 @40293 has 14 MA's), (Start: 31 @40335 has 17 MA's), (Start: 34 @40356 has 1 MA's), (36, 40383), (37, 40398), (38, 40440), (Start:

42 @40491 has 1 MA's), (45, 40581), (47, 40596), (49, 40710), (55, 40812), (65, 40974), (66, 41019), (67, 41025), (68, 41028), (70, 41034), (72, 41064), (78, 41166), (82, 41223), (86, 41274), (89, 41310), (90, 41322), (94, 41355), (96, 41370), (106, 41520),

Gene: Crumble_24 Start: 22512, Stop: 23705, Start Num: 35

Candidate Starts for Crumble_24:

(12, 22242), (Start: 35 @22512 has 96 MA's), (40, 22596), (47, 22746), (48, 22800), (50, 22893), (52, 22923), (54, 22944), (61, 23022), (66, 23148), (67, 23154), (68, 23157), (77, 23268), (80, 23310), (82, 23346), (83, 23349), (86, 23400), (87, 23409), (97, 23523), (100, 23565), (101, 23574), (104, 23631), (105, 23634),

Gene: DLane_30 Start: 26332, Stop: 27486, Start Num: 35

Candidate Starts for DLane_30:

(9, 26059), (12, 26062), (16, 26080), (Start: 35 @26332 has 96 MA's), (40, 26416), (47, 26566), (48, 26620), (53, 26761), (61, 26842), (66, 26968), (67, 26974), (72, 27013), (75, 27073), (77, 27088), (80, 27130), (82, 27166), (83, 27169), (86, 27220), (87, 27229), (97, 27343), (105, 27454), (111, 27475),

Gene: DaWorst_32 Start: 26862, Stop: 28055, Start Num: 35

Candidate Starts for DaWorst_32:

(11, 26589), (17, 26610), (Start: 35 @26862 has 96 MA's), (40, 26946), (47, 27096), (48, 27150), (53, 27291), (61, 27372), (66, 27498), (67, 27504), (68, 27507), (72, 27543), (77, 27618), (80, 27660), (82, 27696), (87, 27759), (97, 27873), (100, 27915), (101, 27924), (104, 27981), (105, 27984),

Gene: Daenerys_30 Start: 26326, Stop: 27519, Start Num: 35

Candidate Starts for Daenerys_30:

(Start: 35 @26326 has 96 MA's), (40, 26410), (47, 26560), (48, 26614), (53, 26755), (61, 26836), (66, 26962), (67, 26968), (68, 26971), (77, 27082), (80, 27124), (82, 27160), (86, 27214), (87, 27223), (97, 27337), (100, 27379), (101, 27388), (104, 27445), (105, 27448),

Gene: Daisy_46 Start: 40294, Stop: 41559, Start Num: 29

Candidate Starts for Daisy_46:

(26, 40264), (Start: 27 @40282 has 10 MA's), (28, 40285), (Start: 29 @40294 has 14 MA's), (Start: 31 @40336 has 17 MA's), (Start: 34 @40357 has 1 MA's), (36, 40384), (37, 40399), (38, 40441), (Start: 42 @40492 has 1 MA's), (45, 40582), (47, 40597), (49, 40711), (55, 40813), (65, 40975), (66, 41020), (67, 41026), (68, 41029), (70, 41035), (72, 41065), (78, 41167), (82, 41224), (86, 41275), (89, 41311), (90, 41323), (94, 41356), (96, 41371), (106, 41521),

Gene: DeadP_30 Start: 26529, Stop: 27683, Start Num: 35

Candidate Starts for DeadP_30:

(9, 26256), (16, 26277), (Start: 35 @26529 has 96 MA's), (40, 26613), (47, 26763), (48, 26817), (53, 26958), (61, 27039), (66, 27165), (67, 27171), (72, 27210), (75, 27270), (77, 27285), (80, 27327), (82, 27363), (83, 27366), (86, 27417), (87, 27426), (97, 27540), (105, 27651), (111, 27672),

Gene: Deb65_30 Start: 26328, Stop: 27521, Start Num: 35

Candidate Starts for Deb65_30:

(17, 26076), (Start: 35 @26328 has 96 MA's), (40, 26412), (47, 26562), (48, 26616), (53, 26757), (61, 26838), (66, 26964), (72, 27009), (77, 27084), (80, 27126), (82, 27162), (83, 27165), (86, 27216), (87, 27225), (97, 27339), (100, 27381), (101, 27390), (104, 27447), (105, 27450),

Gene: Deenasa_46 Start: 41029, Stop: 42294, Start Num: 29

Candidate Starts for Deenasa_46:

(26, 40999), (Start: 27 @41017 has 10 MA's), (28, 41020), (Start: 29 @41029 has 14 MA's), (Start: 31 @41071 has 17 MA's), (Start: 34 @41092 has 1 MA's), (36, 41119), (37, 41134), (38, 41176), (Start:

42 @41227 has 1 MA's), (45, 41317), (47, 41332), (49, 41446), (55, 41548), (65, 41710), (66, 41755), (67, 41761), (68, 41764), (70, 41770), (72, 41800), (78, 41902), (82, 41959), (86, 42010), (89, 42046), (90, 42058), (94, 42091), (96, 42106), (106, 42256),

Gene: Devonte_46 Start: 40300, Stop: 41523, Start Num: 31

Candidate Starts for Devonte_46:

(Start: 22 @40186 has 1 MA's), (23, 40189), (Start: 31 @40300 has 17 MA's), (Start: 34 @40321 has 1 MA's), (36, 40348), (37, 40363), (38, 40405), (Start: 42 @40456 has 1 MA's), (45, 40546), (47, 40561), (49, 40675), (55, 40777), (65, 40939), (66, 40984), (67, 40990), (68, 40993), (70, 40999), (72, 41029), (78, 41131), (82, 41188), (86, 41239), (89, 41275), (90, 41287), (94, 41320), (96, 41335), (106, 41485),

Gene: DirkDirk_25 Start: 24358, Stop: 25530, Start Num: 32

Candidate Starts for DirkDirk_25:

(30, 24328), (Start: 32 @24358 has 28 MA's), (54, 24805), (61, 24883), (63, 24928), (66, 25003), (72, 25048), (77, 25123), (78, 25150), (80, 25168), (82, 25204), (83, 25207), (87, 25267), (92, 25318), (94, 25333), (99, 25402), (102, 25426), (107, 25486),

Gene: DirtMcgirt_31 Start: 26149, Stop: 27342, Start Num: 35

Candidate Starts for DirtMcgirt_31:

(Start: 35 @26149 has 96 MA's), (40, 26233), (47, 26383), (48, 26437), (50, 26530), (53, 26578), (61, 26659), (66, 26785), (67, 26791), (68, 26794), (77, 26905), (80, 26947), (82, 26983), (84, 27001), (86, 27037), (87, 27046), (97, 27160), (100, 27202), (101, 27211), (104, 27268), (105, 27271),

Gene: DocMcStuffins_32 Start: 26938, Stop: 28140, Start Num: 35

Candidate Starts for DocMcStuffins_32:

(Start: 35 @26938 has 96 MA's), (40, 27022), (47, 27172), (48, 27226), (53, 27367), (61, 27448), (66, 27574), (67, 27580), (68, 27583), (72, 27619), (77, 27694), (80, 27736), (82, 27772), (86, 27826), (87, 27835), (94, 27901), (97, 27958), (100, 28000), (101, 28009), (103, 28051), (104, 28066), (105, 28069),

Gene: Donkeykong_30 Start: 26497, Stop: 27708, Start Num: 35

Candidate Starts for Donkeykong_30:

(Start: 35 @26497 has 96 MA's), (40, 26581), (47, 26731), (48, 26785), (50, 26878), (53, 26926), (61, 27007), (66, 27133), (67, 27139), (72, 27178), (75, 27238), (77, 27253), (80, 27295), (82, 27331), (83, 27334), (84, 27349), (86, 27385), (87, 27394), (97, 27508), (105, 27619),

Gene: Doomphist_30 Start: 26448, Stop: 27641, Start Num: 35

Candidate Starts for Doomphist_30:

(Start: 35 @26448 has 96 MA's), (40, 26532), (47, 26682), (48, 26736), (53, 26877), (61, 26958), (66, 27084), (67, 27090), (68, 27093), (77, 27204), (80, 27246), (82, 27282), (86, 27336), (87, 27345), (97, 27459), (100, 27501), (101, 27510), (104, 27567), (105, 27570),

Gene: DotProduct_30 Start: 26315, Stop: 27508, Start Num: 35

Candidate Starts for DotProduct_30:

(Start: 35 @26315 has 96 MA's), (40, 26399), (47, 26549), (48, 26603), (50, 26696), (53, 26744), (61, 26825), (66, 26951), (67, 26957), (68, 26960), (72, 26996), (77, 27071), (80, 27113), (82, 27149), (83, 27152), (84, 27167), (86, 27203), (87, 27212), (97, 27326), (100, 27368), (101, 27377), (104, 27434), (105, 27437),

Gene: Douge_25 Start: 24093, Stop: 25265, Start Num: 32

Candidate Starts for Douge_25:

(Start: 32 @24093 has 28 MA's), (Start: 33 @24102 has 1 MA's), (49, 24468), (53, 24537), (61, 24618), (66, 24738), (78, 24885), (80, 24903), (82, 24939), (87, 25002), (94, 25068), (98, 25134), (99, 25137),

Gene: Douzhi_25 Start: 24174, Stop: 25346, Start Num: 32

Candidate Starts for Douzhi_25:

(Start: 32 @24174 has 28 MA's), (Start: 33 @24183 has 1 MA's), (49, 24549), (53, 24618), (61, 24699), (66, 24819), (78, 24966), (80, 24984), (82, 25020), (87, 25083), (94, 25149), (98, 25215), (99, 25218),

Gene: Drago_31 Start: 26142, Stop: 27335, Start Num: 35

Candidate Starts for Drago_31:

(Start: 35 @26142 has 96 MA's), (40, 26226), (47, 26376), (48, 26430), (53, 26571), (61, 26652), (66, 26778), (67, 26784), (77, 26898), (80, 26940), (82, 26976), (84, 26994), (86, 27030), (87, 27039), (97, 27153), (100, 27195), (101, 27204), (104, 27261), (105, 27264),

Gene: DyoEdafos_26 Start: 24309, Stop: 25472, Start Num: 33

Candidate Starts for DyoEdafos_26:

(Start: 32 @24300 has 28 MA's), (Start: 33 @24309 has 1 MA's), (41, 24444), (44, 24510), (45, 24540), (46, 24549), (49, 24672), (53, 24744), (61, 24825), (62, 24834), (66, 24945), (68, 24954), (71, 24963), (78, 25092), (83, 25149), (87, 25209), (89, 25236), (94, 25275), (95, 25287), (98, 25341), (99, 25344),

Gene: Eish_30 Start: 26467, Stop: 27633, Start Num: 35

Candidate Starts for Eish_30:

(9, 26194), (12, 26197), (Start: 35 @26467 has 96 MA's), (40, 26551), (47, 26701), (48, 26755), (53, 26896), (61, 26977), (66, 27103), (67, 27109), (72, 27148), (75, 27208), (77, 27223), (80, 27265), (82, 27301), (83, 27304), (86, 27355), (87, 27364), (97, 27478),

Gene: Enceladus_25 Start: 24359, Stop: 25531, Start Num: 32

Candidate Starts for Enceladus_25:

(30, 24329), (Start: 32 @24359 has 28 MA's), (54, 24806), (61, 24884), (63, 24929), (66, 25004), (72, 25049), (77, 25124), (78, 25151), (80, 25169), (82, 25205), (83, 25208), (87, 25268), (92, 25319), (94, 25334), (99, 25403), (102, 25427), (107, 25487),

Gene: Fancypants_30 Start: 26335, Stop: 27528, Start Num: 35

Candidate Starts for Fancypants_30:

(17, 26083), (Start: 35 @26335 has 96 MA's), (40, 26419), (47, 26569), (48, 26623), (53, 26764), (61, 26845), (66, 26971), (67, 26977), (72, 27016), (73, 27046), (77, 27091), (80, 27133), (82, 27169), (83, 27172), (86, 27223), (87, 27232), (97, 27346), (100, 27388), (101, 27397), (104, 27454), (105, 27457),

Gene: FarmResident_25 Start: 24137, Stop: 25309, Start Num: 32

Candidate Starts for FarmResident_25:

(Start: 32 @24137 has 28 MA's), (Start: 33 @24146 has 1 MA's), (49, 24512), (53, 24581), (61, 24662), (66, 24782), (78, 24929), (80, 24947), (82, 24983), (87, 25046), (94, 25112), (98, 25178), (99, 25181),

Gene: Filuzino_30 Start: 26324, Stop: 27478, Start Num: 35

Candidate Starts for Filuzino_30:

(9, 26051), (12, 26054), (Start: 35 @26324 has 96 MA's), (40, 26408), (47, 26558), (48, 26612), (53, 26753), (61, 26834), (66, 26960), (67, 26966), (72, 27005), (75, 27065), (77, 27080), (80, 27122), (82, 27158), (83, 27161), (86, 27212), (87, 27221), (97, 27335), (105, 27446), (111, 27467),

Gene: Finemlucis_27 Start: 25356, Stop: 26525, Start Num: 32

Candidate Starts for Finemlucis_27:

(Start: 32 @25356 has 28 MA's), (39, 25464), (43, 25524), (46, 25608), (51, 25770), (53, 25797), (61, 25878), (66, 25998), (67, 26004), (78, 26145), (80, 26163), (82, 26199), (83, 26202), (87, 26262), (98, 26394), (99, 26397), (102, 26421),

Gene: Flathead_30 Start: 26362, Stop: 27528, Start Num: 35

Candidate Starts for Flathead_30:

(9, 26089), (12, 26092), (Start: 35 @26362 has 96 MA's), (40, 26446), (47, 26596), (48, 26650), (53, 26791), (61, 26872), (66, 26998), (67, 27004), (72, 27043), (75, 27103), (77, 27118), (80, 27160), (82, 27196), (83, 27199), (86, 27250), (87, 27259), (97, 27373), (105, 27484),

Gene: Florinda_30 Start: 26327, Stop: 27520, Start Num: 35

Candidate Starts for Florinda_30:

(Start: 35 @26327 has 96 MA's), (40, 26411), (47, 26561), (48, 26615), (53, 26756), (61, 26837), (66, 26963), (67, 26969), (68, 26972), (77, 27083), (80, 27125), (82, 27161), (84, 27179), (86, 27215), (87, 27224), (97, 27338), (100, 27380), (101, 27389), (104, 27446), (105, 27449),

Gene: Fruitloop_29 Start: 26518, Stop: 27672, Start Num: 35

Candidate Starts for Fruitloop_29:

(9, 26245), (12, 26248), (Start: 35 @26518 has 96 MA's), (40, 26602), (47, 26752), (48, 26806), (53, 26947), (61, 27028), (66, 27154), (67, 27160), (72, 27199), (75, 27259), (77, 27274), (80, 27316), (82, 27352), (83, 27355), (86, 27406), (87, 27415), (97, 27529), (105, 27640), (111, 27661),

Gene: GUmbie_30 Start: 26344, Stop: 27537, Start Num: 35

Candidate Starts for GUmbie_30:

(Start: 35 @26344 has 96 MA's), (40, 26428), (47, 26578), (48, 26632), (53, 26773), (61, 26854), (66, 26980), (67, 26986), (68, 26989), (72, 27025), (77, 27100), (80, 27142), (82, 27178), (87, 27241), (97, 27355), (100, 27397), (101, 27406), (104, 27463), (105, 27466),

Gene: Gabriela_27 Start: 25348, Stop: 26517, Start Num: 32

Candidate Starts for Gabriela_27:

(Start: 32 @25348 has 28 MA's), (43, 25516), (46, 25600), (48, 25660), (53, 25789), (61, 25870), (66, 25990), (67, 25996), (78, 26137), (80, 26155), (82, 26191), (87, 26254), (98, 26386), (99, 26389), (102, 26413),

Gene: Gadjet_47 Start: 40269, Stop: 41546, Start Num: 27

Candidate Starts for Gadjet_47:

(26, 40251), (Start: 27 @40269 has 10 MA's), (28, 40272), (Start: 29 @40281 has 14 MA's), (Start: 31 @40323 has 17 MA's), (Start: 34 @40344 has 1 MA's), (36, 40371), (37, 40386), (38, 40428), (Start: 42 @40479 has 1 MA's), (45, 40569), (47, 40584), (49, 40698), (55, 40800), (65, 40962), (66, 41007), (67, 41013), (68, 41016), (70, 41022), (72, 41052), (78, 41154), (82, 41211), (86, 41262), (89, 41298), (90, 41310), (94, 41343), (96, 41358), (106, 41508),

Gene: Geralt_30 Start: 26327, Stop: 27520, Start Num: 35

Candidate Starts for Geralt_30:

(17, 26075), (Start: 35 @26327 has 96 MA's), (40, 26411), (47, 26561), (48, 26615), (53, 26756), (61, 26837), (66, 26963), (72, 27008), (77, 27083), (80, 27125), (82, 27161), (83, 27164), (86, 27215), (87, 27224), (97, 27338), (100, 27380), (101, 27389), (104, 27446), (105, 27449),

Gene: Gervas_46 Start: 40290, Stop: 41513, Start Num: 31

Candidate Starts for Gervas_46:

(Start: 22 @40176 has 1 MA's), (23, 40179), (Start: 31 @40290 has 17 MA's), (Start: 34 @40311 has 1 MA's), (36, 40338), (37, 40353), (38, 40395), (Start: 42 @40446 has 1 MA's), (45, 40536), (47, 40551), (49, 40665), (55, 40767), (65, 40929), (66, 40974), (67, 40980), (68, 40983), (70, 40989), (72, 41019), (78, 41121), (82, 41178), (86, 41229), (89, 41265), (90, 41277), (94, 41310), (96, 41325), (106, 41475),

Gene: GigiOuiOui_30 Start: 26456, Stop: 27649, Start Num: 35

Candidate Starts for GigiOuiOui_30:

(Start: 35 @26456 has 96 MA's), (40, 26540), (47, 26690), (48, 26744), (53, 26885), (61, 26966), (66, 27092), (67, 27098), (68, 27101), (72, 27137), (77, 27212), (80, 27254), (82, 27290), (87, 27353), (97, 27467), (100, 27509), (101, 27518), (104, 27575), (105, 27578),

Gene: Girafales_31 Start: 26135, Stop: 27328, Start Num: 35

Candidate Starts for Girafales_31:

(Start: 35 @26135 has 96 MA's), (40, 26219), (47, 26369), (48, 26423), (53, 26564), (61, 26645), (66, 26771), (67, 26777), (68, 26780), (77, 26891), (80, 26933), (82, 26969), (84, 26987), (86, 27023), (87, 27032), (97, 27146), (100, 27188), (101, 27197), (104, 27254), (105, 27257),

Gene: GlenHope_47 Start: 40249, Stop: 41526, Start Num: 27

Candidate Starts for GlenHope_47:

(26, 40231), (Start: 27 @40249 has 10 MA's), (28, 40252), (Start: 29 @40261 has 14 MA's), (Start: 31 @40303 has 17 MA's), (Start: 34 @40324 has 1 MA's), (36, 40351), (37, 40366), (38, 40408), (Start: 42 @40459 has 1 MA's), (45, 40549), (47, 40564), (49, 40678), (55, 40780), (65, 40942), (66, 40987), (67, 40993), (70, 41002), (72, 41032), (78, 41134), (82, 41191), (86, 41242), (89, 41278), (90, 41290), (94, 41323), (96, 41338), (106, 41488),

Gene: Halena_25 Start: 24386, Stop: 25558, Start Num: 32

Candidate Starts for Halena_25:

(30, 24356), (Start: 32 @24386 has 28 MA's), (54, 24833), (61, 24911), (63, 24956), (66, 25031), (72, 25076), (77, 25151), (78, 25178), (80, 25196), (82, 25232), (83, 25235), (87, 25295), (92, 25346), (94, 25361), (99, 25430), (102, 25454), (107, 25514),

Gene: Halfpint_45 Start: 40128, Stop: 41351, Start Num: 31

Candidate Starts for Halfpint_45:

(3, 39747), (5, 39768), (6, 39786), (8, 39792), (10, 39879), (18, 39927), (19, 39942), (20, 40002), (21, 40005), (Start: 24 @40023 has 1 MA's), (25, 40026), (Start: 31 @40128 has 17 MA's), (Start: 34 @40149 has 1 MA's), (36, 40176), (37, 40191), (38, 40233), (Start: 42 @40284 has 1 MA's), (45, 40374), (47, 40389), (49, 40503), (55, 40605), (65, 40767), (66, 40812), (67, 40818), (68, 40821), (70, 40827), (72, 40857), (78, 40959), (82, 41016), (86, 41067), (89, 41103), (90, 41115), (94, 41148), (96, 41163), (106, 41313),

Gene: Hamulus_30 Start: 26480, Stop: 27646, Start Num: 35

Candidate Starts for Hamulus_30:

(4, 26087), (Start: 35 @26480 has 96 MA's), (40, 26564), (47, 26714), (48, 26768), (53, 26909), (61, 26990), (66, 27116), (67, 27122), (68, 27125), (72, 27161), (73, 27191), (77, 27236), (80, 27278), (82, 27314), (83, 27317), (86, 27368), (87, 27377), (97, 27491), (105, 27602),

Gene: Harley_30 Start: 26264, Stop: 27457, Start Num: 35

Candidate Starts for Harley_30:

(Start: 35 @26264 has 96 MA's), (40, 26348), (47, 26498), (48, 26552), (53, 26693), (61, 26774), (66, 26900), (67, 26906), (72, 26945), (77, 27020), (80, 27062), (82, 27098), (83, 27101), (86, 27152), (87, 27161), (97, 27275), (100, 27317), (101, 27326), (104, 27383), (105, 27386),

Gene: HarveySr_46 Start: 40242, Stop: 41519, Start Num: 27

Candidate Starts for HarveySr_46:

(26, 40224), (Start: 27 @40242 has 10 MA's), (28, 40245), (Start: 29 @40254 has 14 MA's), (Start: 31 @40296 has 17 MA's), (Start: 34 @40317 has 1 MA's), (36, 40344), (37, 40359), (38, 40401), (Start: 42 @40452 has 1 MA's), (45, 40542), (47, 40557), (49, 40671), (55, 40773), (65, 40935), (66, 40980), (67, 40986), (68, 40989), (70, 40995), (72, 41025), (78, 41127), (82, 41184), (86, 41235), (89, 41271), (90, 41283), (94, 41316), (96, 41331), (106, 41481),

Gene: Heathcliff_46 Start: 40232, Stop: 41497, Start Num: 29

Candidate Starts for Heathcliff_46:

(26, 40202), (Start: 27 @40220 has 10 MA's), (28, 40223), (Start: 29 @40232 has 14 MA's), (Start: 31 @40274 has 17 MA's), (Start: 34 @40295 has 1 MA's), (36, 40322), (37, 40337), (38, 40379), (Start: 42 @40430 has 1 MA's), (45, 40520), (47, 40535), (49, 40649), (55, 40751), (65, 40913), (66, 40958), (67, 40964), (68, 40967), (70, 40973), (72, 41003), (78, 41105), (82, 41162), (86, 41213), (89, 41249), (90, 41261), (94, 41294), (96, 41309), (106, 41459),

Gene: Hegedechwinu_31 Start: 26345, Stop: 27553, Start Num: 35

Candidate Starts for Hegedechwinu_31:

(Start: 35 @26345 has 96 MA's), (40, 26429), (47, 26579), (48, 26633), (53, 26774), (61, 26852), (66, 26978), (67, 26984), (72, 27023), (75, 27083), (77, 27098), (80, 27140), (82, 27176), (83, 27179), (86, 27230), (87, 27239), (97, 27353), (105, 27464),

Gene: Hlubikazi_30 Start: 26587, Stop: 27753, Start Num: 35

Candidate Starts for Hlubikazi_30:

(9, 26314), (12, 26317), (Start: 35 @26587 has 96 MA's), (40, 26671), (47, 26821), (48, 26875), (53, 27016), (61, 27097), (66, 27223), (67, 27229), (72, 27268), (77, 27343), (80, 27385), (82, 27421), (84, 27439), (86, 27475), (87, 27484), (97, 27598),

Gene: lbOuu_32 Start: 26343, Stop: 27509, Start Num: 35

Candidate Starts for lbOuu_32:

(Start: 35 @26343 has 96 MA's), (40, 26427), (47, 26577), (48, 26631), (53, 26772), (61, 26853), (66, 26979), (67, 26985), (72, 27024), (75, 27084), (77, 27099), (80, 27141), (82, 27177), (83, 27180), (84, 27195), (86, 27231), (87, 27240), (97, 27354), (105, 27465),

Gene: lbhubesi_30 Start: 26271, Stop: 27464, Start Num: 35

Candidate Starts for lbhubesi_30:

(Start: 35 @26271 has 96 MA's), (40, 26355), (47, 26505), (48, 26559), (53, 26700), (61, 26781), (66, 26907), (67, 26913), (72, 26952), (77, 27027), (80, 27069), (82, 27105), (83, 27108), (86, 27159), (87, 27168), (97, 27282), (100, 27324), (101, 27333), (104, 27390), (105, 27393),

Gene: Jackstina_43 Start: 40179, Stop: 41456, Start Num: 27

Candidate Starts for Jackstina_43:

(26, 40161), (Start: 27 @40179 has 10 MA's), (28, 40182), (Start: 29 @40191 has 14 MA's), (Start: 31 @40233 has 17 MA's), (Start: 34 @40254 has 1 MA's), (36, 40281), (37, 40296), (38, 40338), (Start: 42 @40389 has 1 MA's), (45, 40479), (47, 40494), (49, 40608), (55, 40710), (65, 40872), (66, 40917), (67, 40923), (68, 40926), (70, 40932), (72, 40962), (78, 41064), (82, 41121), (86, 41172), (89, 41208), (90, 41220), (94, 41253), (96, 41268), (106, 41418),

Gene: JalFarm20_32 Start: 26866, Stop: 28603, Start Num: 35

Candidate Starts for JalFarm20_32:

(9, 26593), (16, 26614), (Start: 35 @26866 has 96 MA's), (40, 26950), (47, 27100), (48, 27154), (53, 27295), (56, 27328), (57, 27376), (58, 27475), (59, 27868), (64, 28021), (69, 28099), (74, 28162), (76, 28201), (85, 28333), (88, 28354), (91, 28390),

Gene: Jinglebell_29 Start: 26535, Stop: 27728, Start Num: 35

Candidate Starts for Jinglebell_29:

(Start: 35 @26535 has 96 MA's), (40, 26619), (47, 26769), (48, 26823), (53, 26964), (61, 27045), (66, 27171), (75, 27276), (77, 27291), (80, 27333), (82, 27369), (83, 27372), (86, 27423), (87, 27432), (97, 27546), (100, 27588), (101, 27597), (104, 27654), (105, 27657),

Gene: JoeDirt_25 Start: 24357, Stop: 25529, Start Num: 32

Candidate Starts for JoeDirt_25:

(30, 24327), (Start: 32 @24357 has 28 MA's), (54, 24804), (61, 24882), (63, 24927), (66, 25002), (72, 25047), (77, 25122), (78, 25149), (80, 25167), (82, 25203), (83, 25206), (87, 25266), (92, 25317), (94, 25332), (99, 25401), (102, 25425),

Gene: JoeyJr_30 Start: 26494, Stop: 27687, Start Num: 35

Candidate Starts for JoeyJr_30:

(Start: 35 @26494 has 96 MA's), (40, 26578), (47, 26728), (48, 26782), (53, 26923), (61, 27004), (66, 27130), (67, 27136), (68, 27139), (77, 27250), (80, 27292), (82, 27328), (86, 27382), (87, 27391), (97, 27505), (100, 27547), (101, 27556), (104, 27613), (105, 27616),

Gene: Juice456_31 Start: 27616, Stop: 28824, Start Num: 35

Candidate Starts for Juice456_31:

(Start: 35 @27616 has 96 MA's), (40, 27700), (47, 27850), (48, 27904), (53, 28045), (61, 28123), (66, 28249), (67, 28255), (72, 28294), (75, 28354), (77, 28369), (80, 28411), (82, 28447), (83, 28450), (86, 28501), (87, 28510), (97, 28624), (105, 28735),

Gene: Juniper1_30 Start: 26293, Stop: 27486, Start Num: 35

Candidate Starts for Juniper1_30:

(Start: 35 @26293 has 96 MA's), (40, 26377), (47, 26527), (48, 26581), (53, 26722), (61, 26803), (66, 26929), (67, 26935), (77, 27049), (80, 27091), (82, 27127), (86, 27181), (87, 27190), (97, 27304), (100, 27346), (101, 27355), (104, 27412), (105, 27415),

Gene: Kamiyu_46 Start: 40176, Stop: 41504, Start Num: 24

Candidate Starts for Kamiyu_46:

(3, 39900), (5, 39921), (6, 39939), (8, 39945), (10, 40032), (18, 40080), (19, 40095), (20, 40155), (21, 40158), (Start: 24 @40176 has 1 MA's), (25, 40179), (Start: 31 @40281 has 17 MA's), (Start: 34 @40302 has 1 MA's), (36, 40329), (37, 40344), (38, 40386), (Start: 42 @40437 has 1 MA's), (45, 40527), (47, 40542), (49, 40656), (55, 40758), (65, 40920), (66, 40965), (67, 40971), (68, 40974), (70, 40980), (72, 41010), (78, 41112), (82, 41169), (86, 41220), (89, 41256), (90, 41268), (94, 41301), (96, 41316), (106, 41466),

Gene: Karhdo_30 Start: 26458, Stop: 27651, Start Num: 35

Candidate Starts for Karhdo_30:

(Start: 35 @26458 has 96 MA's), (40, 26542), (47, 26692), (48, 26746), (53, 26887), (61, 26968), (66, 27094), (67, 27100), (72, 27139), (77, 27214), (80, 27256), (82, 27292), (87, 27355), (97, 27469), (100, 27511), (101, 27520), (104, 27577), (105, 27580),

Gene: Kenuha5_27 Start: 25482, Stop: 26636, Start Num: 35

Candidate Starts for Kenuha5_27:

(9, 25209), (16, 25230), (Start: 35 @25482 has 96 MA's), (40, 25566), (47, 25716), (48, 25770), (53, 25911), (61, 25992), (66, 26118), (67, 26124), (72, 26163), (75, 26223), (77, 26238), (80, 26280), (82, 26316), (83, 26319), (86, 26370), (87, 26379), (97, 26493), (105, 26604), (111, 26625),

Gene: Kersh_29 Start: 27534, Stop: 28727, Start Num: 35

Candidate Starts for Kersh_29:

(Start: 35 @27534 has 96 MA's), (40, 27618), (47, 27768), (48, 27822), (53, 27963), (61, 28044), (66, 28170), (67, 28176), (68, 28179), (75, 28275), (77, 28290), (80, 28332), (82, 28368), (86, 28422), (87, 28431), (97, 28545), (100, 28587), (101, 28596), (104, 28653), (105, 28656),

Gene: Kimberlium_32 Start: 27454, Stop: 28644, Start Num: 35

Candidate Starts for Kimberlium_32:

(Start: 35 @27454 has 96 MA's), (40, 27538), (47, 27688), (48, 27742), (53, 27883), (61, 27961), (66, 28087), (67, 28093), (72, 28132), (75, 28192), (77, 28207), (80, 28249), (82, 28285), (83, 28288), (86, 28339), (87, 28348), (97, 28462), (100, 28504), (101, 28513), (104, 28570), (105, 28573),

Gene: KingMidas_31 Start: 27622, Stop: 28776, Start Num: 35

Candidate Starts for KingMidas_31:

(Start: 35 @27622 has 96 MA's), (40, 27706), (47, 27856), (48, 27910), (53, 28051), (61, 28132), (66, 28258), (67, 28264), (72, 28303), (75, 28363), (77, 28378), (80, 28420), (82, 28456), (83, 28459), (86, 28510), (87, 28519), (97, 28633), (105, 28744), (110, 28765),

Gene: Kingsley_28 Start: 25309, Stop: 26475, Start Num: 35

Candidate Starts for Kingsley_28:

(9, 25036), (16, 25057), (Start: 35 @25309 has 96 MA's), (40, 25393), (47, 25543), (48, 25597), (50, 25690), (53, 25738), (61, 25819), (66, 25945), (67, 25951), (75, 26050), (77, 26065), (80, 26107), (82, 26143), (83, 26146), (86, 26197), (87, 26206), (97, 26320), (105, 26431),

Gene: Kronus_45 Start: 40850, Stop: 42115, Start Num: 29

Candidate Starts for Kronus_45:

(26, 40820), (Start: 27 @40838 has 10 MA's), (28, 40841), (Start: 29 @40850 has 14 MA's), (Start: 31 @40892 has 17 MA's), (Start: 34 @40913 has 1 MA's), (36, 40940), (37, 40955), (38, 40997), (Start: 42 @41048 has 1 MA's), (45, 41138), (47, 41153), (49, 41267), (55, 41369), (65, 41531), (66, 41576), (67, 41582), (68, 41585), (70, 41591), (72, 41621), (78, 41723), (82, 41780), (86, 41831), (89, 41867), (90, 41879), (94, 41912), (96, 41927), (106, 42077),

Gene: Latretium_31 Start: 27137, Stop: 28306, Start Num: 35

Candidate Starts for Latretium_31:

(Start: 35 @27137 has 96 MA's), (40, 27221), (47, 27371), (48, 27425), (53, 27566), (65, 27743), (66, 27785), (68, 27794), (78, 27932), (97, 28163), (105, 28274), (109, 28295),

Gene: LeBron_25 Start: 24401, Stop: 25573, Start Num: 32

Candidate Starts for LeBron_25:

(30, 24371), (Start: 32 @24401 has 28 MA's), (54, 24848), (61, 24926), (63, 24971), (66, 25046), (72, 25091), (77, 25166), (78, 25193), (80, 25211), (82, 25247), (83, 25250), (87, 25310), (92, 25361), (94, 25376), (99, 25445), (102, 25469), (107, 25529),

Gene: Leozinho_31 Start: 26186, Stop: 27340, Start Num: 35

Candidate Starts for Leozinho_31:

(16, 25934), (Start: 35 @26186 has 96 MA's), (40, 26270), (47, 26420), (48, 26474), (53, 26615), (61, 26696), (66, 26822), (67, 26828), (72, 26867), (75, 26927), (77, 26942), (80, 26984), (82, 27020), (83, 27023), (84, 27038), (86, 27074), (87, 27083), (97, 27197), (105, 27308), (111, 27329),

Gene: LestyG_46 Start: 40313, Stop: 41536, Start Num: 31

Candidate Starts for LestyG_46:

(Start: 22 @40199 has 1 MA's), (23, 40202), (Start: 31 @40313 has 17 MA's), (Start: 34 @40334 has 1 MA's), (36, 40361), (37, 40376), (38, 40418), (Start: 42 @40469 has 1 MA's), (45, 40559), (47, 40574), (49, 40688), (55, 40790), (65, 40952), (66, 40997), (67, 41003), (68, 41006), (70, 41012), (72,

41042), (78, 41144), (82, 41201), (86, 41252), (89, 41288), (90, 41300), (94, 41333), (96, 41348), (106, 41498),

Gene: Llama_30 Start: 26534, Stop: 27727, Start Num: 35

Candidate Starts for Llama_30:

(Start: 35 @26534 has 96 MA's), (40, 26618), (47, 26768), (48, 26822), (53, 26963), (61, 27044), (66, 27170), (75, 27275), (77, 27290), (80, 27332), (82, 27368), (83, 27371), (86, 27422), (87, 27431), (97, 27545), (100, 27587), (101, 27596), (104, 27653), (105, 27656),

Gene: Llij_30 Start: 26306, Stop: 27499, Start Num: 35

Candidate Starts for Llij_30:

(Start: 35 @26306 has 96 MA's), (40, 26390), (47, 26540), (48, 26594), (53, 26735), (61, 26816), (66, 26942), (67, 26948), (77, 27062), (80, 27104), (82, 27140), (84, 27158), (86, 27194), (87, 27203), (97, 27317), (100, 27359), (101, 27368), (104, 27425), (105, 27428),

Gene: MAckerman_25 Start: 24375, Stop: 25547, Start Num: 32

Candidate Starts for MAckerman_25:

(30, 24345), (Start: 32 @24375 has 28 MA's), (54, 24822), (61, 24900), (63, 24945), (66, 25020), (72, 25065), (77, 25140), (78, 25167), (80, 25185), (82, 25221), (83, 25224), (87, 25284), (92, 25335), (94, 25350), (99, 25419), (102, 25443), (107, 25503),

Gene: MadMen_27 Start: 25582, Stop: 26772, Start Num: 35

Candidate Starts for MadMen_27:

(Start: 35 @25582 has 96 MA's), (40, 25666), (47, 25816), (48, 25870), (53, 26011), (61, 26092), (66, 26218), (67, 26224), (68, 26227), (77, 26338), (80, 26380), (83, 26419), (84, 26434), (86, 26470), (87, 26479), (97, 26593),

Gene: Madiba_28 Start: 25236, Stop: 26429, Start Num: 35

Candidate Starts for Madiba_28:

(Start: 35 @25236 has 96 MA's), (40, 25320), (47, 25470), (48, 25524), (53, 25665), (61, 25746), (66, 25872), (67, 25878), (68, 25881), (72, 25917), (77, 25992), (80, 26034), (82, 26070), (83, 26073), (86, 26124), (87, 26133), (97, 26247), (100, 26289), (101, 26298), (104, 26355), (105, 26358),

Gene: Mandlovu_30 Start: 26529, Stop: 27695, Start Num: 35

Candidate Starts for Mandlovu_30:

(9, 26256), (12, 26259), (Start: 35 @26529 has 96 MA's), (40, 26613), (47, 26763), (48, 26817), (53, 26958), (61, 27039), (66, 27165), (67, 27171), (72, 27210), (77, 27285), (80, 27327), (82, 27363), (84, 27381), (86, 27417), (87, 27426), (97, 27540),

Gene: Mantra_30 Start: 26425, Stop: 27618, Start Num: 35

Candidate Starts for Mantra_30:

(Start: 35 @26425 has 96 MA's), (40, 26509), (47, 26659), (48, 26713), (53, 26854), (61, 26935), (66, 27061), (67, 27067), (68, 27070), (72, 27106), (77, 27181), (80, 27223), (82, 27259), (87, 27322), (97, 27436), (100, 27478), (101, 27487), (104, 27544), (105, 27547),

Gene: Marley1013_46 Start: 41091, Stop: 42314, Start Num: 31

Candidate Starts for Marley1013_46:

(Start: 22 @40977 has 1 MA's), (23, 40980), (Start: 31 @41091 has 17 MA's), (Start: 34 @41112 has 1 MA's), (36, 41139), (37, 41154), (38, 41196), (Start: 42 @41247 has 1 MA's), (45, 41337), (47, 41352), (49, 41466), (55, 41568), (65, 41730), (66, 41775), (67, 41781), (68, 41784), (70, 41790), (72, 41820), (78, 41922), (82, 41979), (86, 42030), (89, 42066), (90, 42078), (94, 42111), (96, 42126), (106, 42276),

Gene: Melissauren88_30 Start: 26514, Stop: 27668, Start Num: 35

Candidate Starts for Melissauren88_30:

(9, 26241), (12, 26244), (Start: 35 @26514 has 96 MA's), (40, 26598), (47, 26748), (48, 26802), (53, 26943), (61, 27024), (66, 27150), (67, 27156), (72, 27195), (75, 27255), (77, 27270), (80, 27312), (82, 27348), (83, 27351), (86, 27402), (87, 27411), (97, 27525), (105, 27636), (111, 27657),

Gene: MilanaBonita_24 Start: 22445, Stop: 23599, Start Num: 35

Candidate Starts for MilanaBonita_24:

(Start: 35 @22445 has 96 MA's), (40, 22529), (47, 22679), (48, 22733), (53, 22874), (61, 22955), (66, 23081), (67, 23087), (72, 23126), (75, 23186), (77, 23201), (80, 23243), (82, 23279), (83, 23282), (86, 23333), (87, 23342), (97, 23456), (105, 23567), (111, 23588),

Gene: MilleniumForce_31 Start: 27306, Stop: 28460, Start Num: 35

Candidate Starts for MilleniumForce_31:

(9, 27033), (16, 27054), (Start: 35 @27306 has 96 MA's), (40, 27390), (47, 27540), (48, 27594), (53, 27735), (61, 27816), (66, 27942), (67, 27948), (72, 27987), (75, 28047), (77, 28062), (80, 28104), (82, 28140), (83, 28143), (86, 28194), (87, 28203), (97, 28317), (105, 28428), (111, 28449),

Gene: Misha28_31 Start: 26205, Stop: 27407, Start Num: 35

Candidate Starts for Misha28_31:

(Start: 35 @26205 has 96 MA's), (40, 26289), (47, 26439), (48, 26493), (53, 26634), (61, 26715), (66, 26841), (67, 26847), (68, 26850), (72, 26886), (77, 26961), (80, 27003), (82, 27039), (86, 27093), (87, 27102), (94, 27168), (97, 27225), (100, 27267), (101, 27276), (103, 27318), (104, 27333), (105, 27336),

Gene: MmasiCarm_46 Start: 40295, Stop: 41518, Start Num: 31

Candidate Starts for MmasiCarm_46:

(Start: 22 @40181 has 1 MA's), (23, 40184), (Start: 31 @40295 has 17 MA's), (Start: 34 @40316 has 1 MA's), (36, 40343), (37, 40358), (38, 40400), (Start: 42 @40451 has 1 MA's), (45, 40541), (47, 40556), (49, 40670), (55, 40772), (65, 40934), (66, 40979), (67, 40985), (68, 40988), (70, 40994), (72, 41024), (78, 41126), (82, 41183), (86, 41234), (89, 41270), (90, 41282), (94, 41315), (96, 41330), (106, 41480),

Gene: Modragons_30 Start: 26379, Stop: 27572, Start Num: 35

Candidate Starts for Modragons_30:

(Start: 35 @26379 has 96 MA's), (40, 26463), (47, 26613), (48, 26667), (53, 26808), (61, 26889), (66, 27015), (75, 27120), (77, 27135), (80, 27177), (82, 27213), (83, 27216), (86, 27267), (87, 27276), (97, 27390), (100, 27432), (101, 27441), (104, 27498), (105, 27501),

Gene: Mortcellus_45 Start: 40947, Stop: 42170, Start Num: 31

Candidate Starts for Mortcellus_45:

(Start: 22 @40833 has 1 MA's), (23, 40836), (Start: 31 @40947 has 17 MA's), (Start: 34 @40968 has 1 MA's), (36, 40995), (37, 41010), (38, 41052), (Start: 42 @41103 has 1 MA's), (45, 41193), (47, 41208), (49, 41322), (55, 41424), (65, 41586), (66, 41631), (67, 41637), (68, 41640), (70, 41646), (72, 41676), (78, 41778), (82, 41835), (86, 41886), (89, 41922), (90, 41934), (94, 41967), (96, 41982), (106, 42132),

Gene: Morty007_46 Start: 41112, Stop: 42314, Start Num: 34

Candidate Starts for Morty007_46:

(Start: 22 @40977 has 1 MA's), (23, 40980), (Start: 31 @41091 has 17 MA's), (Start: 34 @41112 has 1 MA's), (36, 41139), (37, 41154), (38, 41196), (Start: 42 @41247 has 1 MA's), (45, 41337), (47, 41352), (49, 41466), (55, 41568), (65, 41730), (66, 41775), (67, 41781), (68, 41784), (70, 41790), (72, 41820), (78, 41922), (82, 41979), (86, 42030), (89, 42066), (90, 42078), (94, 42111), (96, 42126),

(106, 42276),

Gene: Mova_31 Start: 26196, Stop: 27350, Start Num: 35

Candidate Starts for Mova_31:

(Start: 35 @26196 has 96 MA's), (40, 26280), (47, 26430), (48, 26484), (53, 26625), (61, 26706), (66, 26832), (67, 26838), (72, 26877), (75, 26937), (77, 26952), (80, 26994), (82, 27030), (83, 27033), (86, 27084), (87, 27093), (97, 27207), (105, 27318), (111, 27339),

Gene: Ms6_24 Start: 21977, Stop: 23131, Start Num: 35

Candidate Starts for Ms6_24:

(13, 21710), (Start: 35 @21977 has 96 MA's), (40, 22061), (47, 22211), (48, 22265), (53, 22406), (61, 22487), (66, 22613), (67, 22619), (72, 22658), (75, 22718), (77, 22733), (80, 22775), (82, 22811), (83, 22814), (86, 22865), (87, 22874), (97, 22988), (105, 23099), (111, 23120),

Gene: MulchExplorer_33 Start: 27454, Stop: 28644, Start Num: 35

Candidate Starts for MulchExplorer_33:

(Start: 35 @27454 has 96 MA's), (40, 27538), (47, 27688), (48, 27742), (53, 27883), (61, 27961), (66, 28087), (67, 28093), (72, 28132), (75, 28192), (77, 28207), (80, 28249), (82, 28285), (83, 28288), (86, 28339), (87, 28348), (97, 28462), (100, 28504), (101, 28513), (104, 28570), (105, 28573),

Gene: Neos5_46 Start: 41052, Stop: 42329, Start Num: 27

Candidate Starts for Neos5_46:

(26, 41034), (Start: 27 @41052 has 10 MA's), (28, 41055), (Start: 29 @41064 has 14 MA's), (Start: 31 @41106 has 17 MA's), (Start: 34 @41127 has 1 MA's), (36, 41154), (37, 41169), (38, 41211), (Start: 42 @41262 has 1 MA's), (45, 41352), (47, 41367), (49, 41481), (55, 41583), (65, 41745), (66, 41790), (67, 41796), (68, 41799), (70, 41805), (72, 41835), (78, 41937), (82, 41994), (86, 42045), (89, 42081), (90, 42093), (94, 42126), (96, 42141), (106, 42291),

Gene: Nimbo_30 Start: 26331, Stop: 27524, Start Num: 35

Candidate Starts for Nimbo_30:

(Start: 35 @26331 has 96 MA's), (40, 26415), (47, 26565), (48, 26619), (53, 26760), (61, 26841), (66, 26967), (72, 27012), (77, 27087), (80, 27129), (82, 27165), (83, 27168), (86, 27219), (87, 27228), (97, 27342), (100, 27384), (101, 27393), (104, 27450), (105, 27453),

Gene: Nozo_46 Start: 41071, Stop: 42294, Start Num: 31

Candidate Starts for Nozo_46:

(26, 40999), (Start: 27 @41017 has 10 MA's), (28, 41020), (Start: 29 @41029 has 14 MA's), (Start: 31 @41071 has 17 MA's), (Start: 34 @41092 has 1 MA's), (36, 41119), (37, 41134), (38, 41176), (Start: 42 @41227 has 1 MA's), (45, 41317), (47, 41332), (49, 41446), (55, 41548), (65, 41710), (66, 41755), (67, 41761), (68, 41764), (70, 41770), (72, 41800), (78, 41902), (82, 41959), (86, 42010), (89, 42046), (90, 42058), (94, 42091), (96, 42106), (106, 42256),

Gene: Obutu_46 Start: 40295, Stop: 41518, Start Num: 31

Candidate Starts for Obutu_46:

(Start: 22 @40181 has 1 MA's), (23, 40184), (Start: 31 @40295 has 17 MA's), (Start: 34 @40316 has 1 MA's), (36, 40343), (37, 40358), (38, 40400), (Start: 42 @40451 has 1 MA's), (45, 40541), (47, 40556), (49, 40670), (55, 40772), (65, 40934), (66, 40979), (67, 40985), (68, 40988), (70, 40994), (72, 41024), (78, 41126), (82, 41183), (86, 41234), (89, 41270), (90, 41282), (94, 41315), (96, 41330), (106, 41480),

Gene: Ochi17_28 Start: 25986, Stop: 27179, Start Num: 35

Candidate Starts for Ochi17_28:

(Start: 35 @25986 has 96 MA's), (40, 26070), (47, 26220), (48, 26274), (53, 26415), (61, 26496), (66, 26622), (75, 26727), (77, 26742), (80, 26784), (82, 26820), (83, 26823), (86, 26874), (87, 26883), (97, 26997), (100, 27039), (101, 27048), (104, 27105), (105, 27108),

Gene: OfUltron_30 Start: 26535, Stop: 27728, Start Num: 35

Candidate Starts for OfUltron_30:

(Start: 35 @26535 has 96 MA's), (40, 26619), (47, 26769), (48, 26823), (53, 26964), (61, 27045), (66, 27171), (75, 27276), (77, 27291), (80, 27333), (82, 27369), (83, 27372), (86, 27423), (87, 27432), (97, 27546), (100, 27588), (101, 27597), (104, 27654), (105, 27657),

Gene: Ogotopogo_30 Start: 25685, Stop: 26878, Start Num: 35

Candidate Starts for Ogotopogo_30:

(Start: 35 @25685 has 96 MA's), (40, 25769), (47, 25919), (48, 25973), (53, 26114), (61, 26195), (66, 26321), (67, 26327), (68, 26330), (77, 26441), (80, 26483), (83, 26522), (84, 26537), (86, 26573), (87, 26582), (97, 26696), (100, 26738), (101, 26747), (104, 26804), (105, 26807),

Gene: OhShagHennessy_25 Start: 24340, Stop: 25512, Start Num: 32

Candidate Starts for OhShagHennessy_25:

(30, 24310), (Start: 32 @24340 has 28 MA's), (54, 24787), (61, 24865), (63, 24910), (66, 24985), (72, 25030), (77, 25105), (78, 25132), (80, 25150), (82, 25186), (83, 25189), (87, 25249), (92, 25300), (94, 25315), (99, 25384), (102, 25408),

Gene: Oksu_31 Start: 26379, Stop: 27572, Start Num: 35

Candidate Starts for Oksu_31:

(Start: 35 @26379 has 96 MA's), (40, 26463), (47, 26613), (48, 26667), (53, 26808), (61, 26889), (66, 27015), (75, 27120), (77, 27135), (80, 27177), (82, 27213), (83, 27216), (86, 27267), (87, 27276), (97, 27390), (100, 27432), (101, 27441), (104, 27498), (105, 27501),

Gene: OrangeOswald_46 Start: 40258, Stop: 41535, Start Num: 27

Candidate Starts for OrangeOswald_46:

(26, 40240), (Start: 27 @40258 has 10 MA's), (28, 40261), (Start: 29 @40270 has 14 MA's), (Start: 31 @40312 has 17 MA's), (Start: 34 @40333 has 1 MA's), (36, 40360), (37, 40375), (38, 40417), (Start: 42 @40468 has 1 MA's), (45, 40558), (47, 40573), (49, 40687), (55, 40789), (65, 40951), (66, 40996), (67, 41002), (68, 41005), (70, 41011), (72, 41041), (78, 41143), (82, 41200), (86, 41251), (89, 41287), (90, 41299), (94, 41332), (96, 41347), (106, 41497),

Gene: OwlsT2W_31 Start: 26780, Stop: 27949, Start Num: 35

Candidate Starts for OwlsT2W_31:

(Start: 35 @26780 has 96 MA's), (40, 26864), (47, 27014), (48, 27068), (53, 27209), (65, 27386), (66, 27428), (68, 27437), (101, 27857), (105, 27917), (109, 27938),

Gene: PHappiness_30 Start: 26304, Stop: 27497, Start Num: 35

Candidate Starts for PHappiness_30:

(7, 25938), (Start: 35 @26304 has 96 MA's), (40, 26388), (47, 26538), (48, 26592), (53, 26733), (61, 26814), (66, 26940), (72, 26985), (77, 27060), (80, 27102), (82, 27138), (83, 27141), (86, 27192), (87, 27201), (97, 27315), (100, 27357), (101, 27366), (104, 27423), (105, 27426),

Gene: PMC_30 Start: 26306, Stop: 27499, Start Num: 35

Candidate Starts for PMC_30:

(Start: 35 @26306 has 96 MA's), (40, 26390), (47, 26540), (48, 26594), (53, 26735), (61, 26816), (66, 26942), (67, 26948), (77, 27062), (80, 27104), (82, 27140), (84, 27158), (86, 27194), (87, 27203), (97, 27317), (100, 27359), (101, 27368), (104, 27425), (105, 27428),

Gene: PYPDinur_25 Start: 24174, Stop: 25346, Start Num: 32

Candidate Starts for PYPDinur_25:

(Start: 32 @24174 has 28 MA's), (Start: 33 @24183 has 1 MA's), (49, 24549), (53, 24618), (61, 24699), (66, 24819), (78, 24966), (80, 24984), (82, 25020), (87, 25083), (94, 25149), (98, 25215), (99, 25218),

Gene: Phaedrus_44 Start: 40388, Stop: 41455, Start Num: 42

Candidate Starts for Phaedrus_44:

(26, 40160), (Start: 27 @40178 has 10 MA's), (28, 40181), (Start: 29 @40190 has 14 MA's), (Start: 31 @40232 has 17 MA's), (Start: 34 @40253 has 1 MA's), (36, 40280), (37, 40295), (38, 40337), (Start: 42 @40388 has 1 MA's), (45, 40478), (47, 40493), (49, 40607), (55, 40709), (65, 40871), (66, 40916), (67, 40922), (68, 40925), (70, 40931), (72, 40961), (78, 41063), (82, 41120), (86, 41171), (89, 41207), (90, 41219), (94, 41252), (96, 41267), (106, 41417),

Gene: Phanphagia_27 Start: 25503, Stop: 26657, Start Num: 35

Candidate Starts for Phanphagia_27:

(9, 25230), (16, 25251), (Start: 35 @25503 has 96 MA's), (40, 25587), (47, 25737), (48, 25791), (53, 25932), (61, 26013), (66, 26139), (67, 26145), (72, 26184), (75, 26244), (77, 26259), (80, 26301), (82, 26337), (83, 26340), (86, 26391), (87, 26400), (97, 26514), (105, 26625), (111, 26646),

Gene: Phasih_31 Start: 26881, Stop: 28074, Start Num: 35

Candidate Starts for Phasih_31:

(Start: 35 @26881 has 96 MA's), (40, 26965), (47, 27115), (48, 27169), (53, 27310), (61, 27391), (66, 27517), (67, 27523), (68, 27526), (72, 27562), (77, 27637), (80, 27679), (82, 27715), (87, 27778), (97, 27892), (100, 27934), (101, 27943), (104, 28000), (105, 28003),

Gene: Phatniss_31 Start: 26823, Stop: 28016, Start Num: 35

Candidate Starts for Phatniss_31:

(Start: 35 @26823 has 96 MA's), (40, 26907), (47, 27057), (48, 27111), (53, 27252), (61, 27333), (66, 27459), (67, 27465), (77, 27579), (80, 27621), (82, 27657), (84, 27675), (86, 27711), (87, 27720), (97, 27834), (100, 27876), (101, 27885), (104, 27942), (105, 27945),

Gene: Phayeta_47 Start: 40177, Stop: 41400, Start Num: 31

Candidate Starts for Phayeta_47:

(Start: 22 @40063 has 1 MA's), (23, 40066), (Start: 31 @40177 has 17 MA's), (Start: 34 @40198 has 1 MA's), (36, 40225), (37, 40240), (38, 40282), (Start: 42 @40333 has 1 MA's), (45, 40423), (47, 40438), (49, 40552), (55, 40654), (65, 40816), (66, 40861), (67, 40867), (68, 40870), (70, 40876), (72, 40906), (78, 41008), (82, 41065), (86, 41116), (89, 41152), (90, 41164), (94, 41197), (96, 41212), (106, 41362),

Gene: Philly_45 Start: 40109, Stop: 41386, Start Num: 27

Candidate Starts for Philly_45:

(26, 40091), (Start: 27 @40109 has 10 MA's), (28, 40112), (Start: 29 @40121 has 14 MA's), (Start: 31 @40163 has 17 MA's), (Start: 34 @40184 has 1 MA's), (36, 40211), (37, 40226), (38, 40268), (Start: 42 @40319 has 1 MA's), (45, 40409), (47, 40424), (49, 40538), (55, 40640), (65, 40802), (66, 40847), (67, 40853), (68, 40856), (70, 40862), (72, 40892), (78, 40994), (82, 41051), (86, 41102), (89, 41138), (90, 41150), (94, 41183), (96, 41198), (106, 41348),

Gene: Phlyer_46 Start: 41009, Stop: 42274, Start Num: 29

Candidate Starts for Phlyer_46:

(26, 40979), (Start: 27 @40997 has 10 MA's), (28, 41000), (Start: 29 @41009 has 14 MA's), (Start: 31 @41051 has 17 MA's), (Start: 34 @41072 has 1 MA's), (36, 41099), (37, 41114), (38, 41156), (Start: 42 @41207 has 1 MA's), (45, 41297), (47, 41312), (49, 41426), (55, 41528), (65, 41690), (66, 41735),

(67, 41741), (68, 41744), (70, 41750), (72, 41780), (78, 41882), (82, 41939), (86, 41990), (89, 42026), (90, 42038), (94, 42071), (96, 42086), (106, 42236),

Gene: Pipefish_48 Start: 41704, Stop: 42927, Start Num: 31

Candidate Starts for Pipefish_48:

(Start: 22 @41590 has 1 MA's), (23, 41593), (Start: 31 @41704 has 17 MA's), (Start: 34 @41725 has 1 MA's), (36, 41752), (37, 41767), (38, 41809), (Start: 42 @41860 has 1 MA's), (45, 41950), (47, 41965), (49, 42079), (55, 42181), (65, 42343), (66, 42388), (67, 42394), (70, 42403), (72, 42433), (78, 42535), (82, 42592), (86, 42643), (89, 42679), (90, 42691), (94, 42724), (96, 42739), (106, 42889),

Gene: Piper2020_32 Start: 26915, Stop: 28126, Start Num: 35

Candidate Starts for Piper2020_32:

(Start: 35 @26915 has 96 MA's), (40, 26999), (47, 27149), (48, 27203), (53, 27344), (61, 27425), (66, 27551), (67, 27557), (68, 27560), (72, 27596), (75, 27656), (77, 27671), (80, 27713), (82, 27749), (83, 27752), (86, 27803), (87, 27812), (97, 27926), (105, 28037),

Gene: Pippy_24 Start: 22504, Stop: 23664, Start Num: 35

Candidate Starts for Pippy_24:

(12, 22234), (Start: 35 @22504 has 96 MA's), (40, 22588), (47, 22738), (48, 22792), (50, 22885), (52, 22915), (54, 22936), (61, 23014), (66, 23140), (67, 23146), (77, 23260), (80, 23302), (81, 23335), (83, 23341), (87, 23401),

Gene: Poenanya_30 Start: 26448, Stop: 27641, Start Num: 35

Candidate Starts for Poenanya_30:

(Start: 35 @26448 has 96 MA's), (40, 26532), (47, 26682), (48, 26736), (53, 26877), (61, 26958), (66, 27084), (67, 27090), (68, 27093), (77, 27204), (80, 27246), (82, 27282), (86, 27336), (87, 27345), (97, 27459), (100, 27501), (101, 27510), (104, 27567), (105, 27570),

Gene: Quby_25 Start: 24092, Stop: 25264, Start Num: 32

Candidate Starts for Quby_25:

(Start: 32 @24092 has 28 MA's), (Start: 33 @24101 has 1 MA's), (49, 24467), (53, 24536), (61, 24617), (66, 24737), (78, 24884), (80, 24902), (82, 24938), (87, 25001), (94, 25067), (98, 25133), (99, 25136),

Gene: QuickMath_31 Start: 27678, Stop: 28868, Start Num: 35

Candidate Starts for QuickMath_31:

(Start: 35 @27678 has 96 MA's), (40, 27762), (47, 27912), (48, 27966), (53, 28107), (61, 28185), (66, 28311), (67, 28317), (72, 28356), (75, 28416), (77, 28431), (80, 28473), (82, 28509), (83, 28512), (86, 28563), (87, 28572), (97, 28686), (100, 28728), (101, 28737), (104, 28794), (105, 28797),

Gene: Quico_31 Start: 26135, Stop: 27328, Start Num: 35

Candidate Starts for Quico_31:

(Start: 35 @26135 has 96 MA's), (40, 26219), (47, 26369), (48, 26423), (53, 26564), (61, 26645), (66, 26771), (67, 26777), (68, 26780), (77, 26891), (80, 26933), (82, 26969), (84, 26987), (86, 27023), (87, 27032), (97, 27146), (100, 27188), (101, 27197), (104, 27254), (105, 27257),

Gene: RagingRooster_46 Start: 40271, Stop: 41536, Start Num: 29

Candidate Starts for RagingRooster_46:

(26, 40241), (Start: 27 @40259 has 10 MA's), (28, 40262), (Start: 29 @40271 has 14 MA's), (Start: 31 @40313 has 17 MA's), (Start: 34 @40334 has 1 MA's), (36, 40361), (37, 40376), (38, 40418), (Start: 42 @40469 has 1 MA's), (45, 40559), (47, 40574), (49, 40688), (55, 40790), (65, 40952), (66, 40997), (67, 41003), (68, 41006), (70, 41012), (72, 41042), (78, 41144), (82, 41201), (86, 41252), (89, 41288), (90, 41300), (94, 41333), (96, 41348), (106, 41498),

Gene: Rita1961_46 Start: 40296, Stop: 41519, Start Num: 31

Candidate Starts for Rita1961_46:

(Start: 22 @40182 has 1 MA's), (23, 40185), (Start: 31 @40296 has 17 MA's), (Start: 34 @40317 has 1 MA's), (36, 40344), (37, 40359), (38, 40401), (Start: 42 @40452 has 1 MA's), (45, 40542), (47, 40557), (49, 40671), (55, 40773), (65, 40935), (66, 40980), (67, 40986), (68, 40989), (70, 40995), (72, 41025), (78, 41127), (82, 41184), (86, 41235), (89, 41271), (90, 41283), (94, 41316), (96, 41331), (106, 41481),

Gene: Rockne_30 Start: 26306, Stop: 27499, Start Num: 35

Candidate Starts for Rockne_30:

(Start: 35 @26306 has 96 MA's), (40, 26390), (47, 26540), (48, 26594), (53, 26735), (61, 26816), (66, 26942), (67, 26948), (77, 27062), (80, 27104), (82, 27140), (84, 27158), (86, 27194), (87, 27203), (97, 27317), (100, 27359), (101, 27368), (104, 27425), (105, 27428),

Gene: RockyHorror_31 Start: 26248, Stop: 27441, Start Num: 35

Candidate Starts for RockyHorror_31:

(Start: 35 @26248 has 96 MA's), (40, 26332), (47, 26482), (48, 26536), (53, 26677), (61, 26758), (66, 26884), (67, 26890), (72, 26929), (75, 26989), (77, 27004), (80, 27046), (82, 27082), (86, 27136), (87, 27145), (97, 27259), (100, 27301), (101, 27310), (104, 27367), (105, 27370),

Gene: RomaT_46 Start: 41044, Stop: 42309, Start Num: 29

Candidate Starts for RomaT_46:

(26, 41014), (Start: 27 @41032 has 10 MA's), (28, 41035), (Start: 29 @41044 has 14 MA's), (Start: 31 @41086 has 17 MA's), (Start: 34 @41107 has 1 MA's), (36, 41134), (37, 41149), (38, 41191), (Start: 42 @41242 has 1 MA's), (45, 41332), (47, 41347), (49, 41461), (55, 41563), (65, 41725), (66, 41770), (67, 41776), (68, 41779), (70, 41785), (72, 41815), (78, 41917), (82, 41974), (86, 42025), (89, 42061), (90, 42073), (94, 42106), (96, 42121), (106, 42271),

Gene: Rose5_25 Start: 24375, Stop: 25547, Start Num: 32

Candidate Starts for Rose5_25:

(30, 24345), (Start: 32 @24375 has 28 MA's), (54, 24822), (61, 24900), (63, 24945), (66, 25020), (72, 25065), (77, 25140), (78, 25167), (80, 25185), (82, 25221), (83, 25224), (87, 25284), (92, 25335), (94, 25350), (99, 25419), (102, 25443), (107, 25503),

Gene: Rumpelstiltskin_27 Start: 25354, Stop: 26523, Start Num: 32

Candidate Starts for Rumpelstiltskin_27:

(Start: 32 @25354 has 28 MA's), (43, 25522), (46, 25606), (48, 25666), (53, 25795), (61, 25876), (66, 25996), (67, 26002), (78, 26143), (80, 26161), (82, 26197), (87, 26260), (98, 26392), (99, 26395), (102, 26419),

Gene: Scottish_31 Start: 27627, Stop: 28820, Start Num: 35

Candidate Starts for Scottish_31:

(Start: 35 @27627 has 96 MA's), (40, 27711), (47, 27861), (48, 27915), (53, 28056), (61, 28137), (66, 28263), (67, 28269), (68, 28272), (77, 28383), (80, 28425), (82, 28461), (86, 28515), (87, 28524), (97, 28638), (100, 28680), (101, 28689), (104, 28746), (105, 28749),

Gene: Seabastian_30 Start: 26535, Stop: 27728, Start Num: 35

Candidate Starts for Seabastian_30:

(Start: 35 @26535 has 96 MA's), (40, 26619), (47, 26769), (48, 26823), (53, 26964), (61, 27045), (66, 27171), (75, 27276), (77, 27291), (80, 27333), (82, 27369), (83, 27372), (86, 27423), (87, 27432), (97, 27546), (100, 27588), (101, 27597), (104, 27654), (105, 27657),

Gene: Shauna1_27 Start: 25506, Stop: 26660, Start Num: 35

Candidate Starts for Shauna1_27:

(9, 25233), (16, 25254), (Start: 35 @25506 has 96 MA's), (40, 25590), (47, 25740), (48, 25794), (53, 25935), (61, 26016), (66, 26142), (67, 26148), (72, 26187), (75, 26247), (77, 26262), (80, 26304), (82, 26340), (83, 26343), (86, 26394), (87, 26403), (97, 26517), (105, 26628), (111, 26649),

Gene: Sheng711_25 Start: 24174, Stop: 25346, Start Num: 32

Candidate Starts for Sheng711_25:

(Start: 32 @24174 has 28 MA's), (Start: 33 @24183 has 1 MA's), (49, 24549), (53, 24618), (61, 24699), (66, 24819), (78, 24966), (80, 24984), (82, 25020), (87, 25083), (94, 25149), (98, 25215), (99, 25218),

Gene: ShroomBoi_27 Start: 25443, Stop: 26597, Start Num: 35

Candidate Starts for ShroomBoi_27:

(Start: 35 @25443 has 96 MA's), (40, 25527), (47, 25677), (48, 25731), (53, 25872), (61, 25953), (66, 26079), (67, 26085), (72, 26124), (75, 26184), (77, 26199), (80, 26241), (82, 26277), (83, 26280), (86, 26331), (87, 26340), (97, 26454), (105, 26565), (111, 26586),

Gene: Silverleaf_25 Start: 24375, Stop: 25547, Start Num: 32

Candidate Starts for Silverleaf_25:

(30, 24345), (Start: 32 @24375 has 28 MA's), (54, 24822), (61, 24900), (63, 24945), (66, 25020), (72, 25065), (77, 25140), (78, 25167), (80, 25185), (82, 25221), (83, 25224), (87, 25284), (92, 25335), (94, 25350), (99, 25419), (102, 25443), (107, 25503),

Gene: SlippinJimmy_46 Start: 41078, Stop: 42301, Start Num: 31

Candidate Starts for SlippinJimmy_46:

(Start: 22 @40964 has 1 MA's), (23, 40967), (Start: 31 @41078 has 17 MA's), (Start: 34 @41099 has 1 MA's), (36, 41126), (37, 41141), (38, 41183), (Start: 42 @41234 has 1 MA's), (45, 41324), (47, 41339), (49, 41453), (55, 41555), (65, 41717), (66, 41762), (67, 41768), (68, 41771), (70, 41777), (72, 41807), (78, 41909), (82, 41966), (86, 42017), (89, 42053), (90, 42065), (94, 42098), (96, 42113), (106, 42263),

Gene: Soul22_34 Start: 25851, Stop: 27032, Start Num: 35

Candidate Starts for Soul22_34:

(Start: 35 @25851 has 96 MA's), (40, 25935), (47, 26085), (48, 26139), (53, 26280), (65, 26457), (66, 26499), (68, 26508), (80, 26664), (97, 26877), (105, 26988),

Gene: StAnnes_28 Start: 26065, Stop: 27231, Start Num: 35

Candidate Starts for StAnnes_28:

(2, 25657), (15, 25801), (Start: 35 @26065 has 96 MA's), (40, 26149), (47, 26299), (48, 26353), (53, 26494), (61, 26575), (66, 26701), (67, 26707), (72, 26746), (75, 26806), (77, 26821), (80, 26863), (82, 26899), (83, 26902), (86, 26953), (87, 26962), (97, 27076), (105, 27187),

Gene: Starcevich_33 Start: 26624, Stop: 28400, Start Num: 35

Candidate Starts for Starcevich_33:

(Start: 35 @26624 has 96 MA's), (40, 26708), (48, 26912), (53, 27053), (56, 27086), (57, 27134), (58, 27233), (59, 27626), (64, 27779), (69, 27857), (74, 27920), (76, 27959), (88, 28112), (91, 28148),

Gene: Strokeseat_30 Start: 26586, Stop: 27752, Start Num: 35

Candidate Starts for Strokeseat_30:

(9, 26313), (12, 26316), (Start: 35 @26586 has 96 MA's), (40, 26670), (47, 26820), (48, 26874), (53, 27015), (61, 27096), (66, 27222), (67, 27228), (72, 27267), (77, 27342), (80, 27384), (82, 27420), (84, 27438), (86, 27474), (87, 27483), (97, 27597),

Gene: SynergyX_46 Start: 40271, Stop: 41536, Start Num: 29

Candidate Starts for SynergyX_46:

(26, 40241), (Start: 27 @40259 has 10 MA's), (28, 40262), (Start: 29 @40271 has 14 MA's), (Start: 31 @40313 has 17 MA's), (Start: 34 @40334 has 1 MA's), (36, 40361), (37, 40376), (38, 40418), (Start: 42 @40469 has 1 MA's), (45, 40559), (47, 40574), (49, 40688), (55, 40790), (65, 40952), (66, 40997), (67, 41003), (68, 41006), (70, 41012), (72, 41042), (78, 41144), (82, 41201), (86, 41252), (89, 41288), (90, 41300), (94, 41333), (96, 41348), (106, 41498),

Gene: Taj_30 Start: 26531, Stop: 27685, Start Num: 35

Candidate Starts for Taj_30:

(9, 26258), (16, 26279), (Start: 35 @26531 has 96 MA's), (40, 26615), (47, 26765), (48, 26819), (53, 26960), (61, 27041), (66, 27167), (67, 27173), (72, 27212), (75, 27272), (77, 27287), (80, 27329), (82, 27365), (83, 27368), (86, 27419), (87, 27428), (97, 27542), (105, 27653), (111, 27674),

Gene: TootsiePop_31 Start: 26205, Stop: 27407, Start Num: 35

Candidate Starts for TootsiePop_31:

(Start: 35 @26205 has 96 MA's), (40, 26289), (47, 26439), (48, 26493), (53, 26634), (61, 26715), (66, 26841), (67, 26847), (68, 26850), (72, 26886), (77, 26961), (80, 27003), (82, 27039), (86, 27093), (87, 27102), (94, 27168), (97, 27225), (100, 27267), (101, 27276), (103, 27318), (104, 27333), (105, 27336),

Gene: Tweety_30 Start: 26532, Stop: 27743, Start Num: 35

Candidate Starts for Tweety_30:

(9, 26259), (16, 26280), (Start: 35 @26532 has 96 MA's), (40, 26616), (47, 26766), (48, 26820), (53, 26961), (61, 27042), (66, 27168), (67, 27174), (68, 27177), (77, 27288), (80, 27330), (82, 27366), (86, 27420), (87, 27429), (97, 27543), (105, 27654),

Gene: Tydolla_46 Start: 41005, Stop: 42270, Start Num: 29

Candidate Starts for Tydolla_46:

(26, 40975), (Start: 27 @40993 has 10 MA's), (28, 40996), (Start: 29 @41005 has 14 MA's), (Start: 31 @41047 has 17 MA's), (Start: 34 @41068 has 1 MA's), (36, 41095), (37, 41110), (38, 41152), (Start: 42 @41203 has 1 MA's), (45, 41293), (47, 41308), (49, 41422), (55, 41524), (65, 41686), (66, 41731), (67, 41737), (68, 41740), (70, 41746), (72, 41776), (78, 41878), (82, 41935), (86, 41986), (89, 42022), (90, 42034), (94, 42067), (96, 42082), (106, 42232),

Gene: Tyson_25 Start: 24375, Stop: 25547, Start Num: 32

Candidate Starts for Tyson_25:

(30, 24345), (Start: 32 @24375 has 28 MA's), (54, 24822), (61, 24900), (63, 24945), (66, 25020), (72, 25065), (77, 25140), (78, 25167), (80, 25185), (82, 25221), (83, 25224), (87, 25284), (92, 25335), (94, 25350), (99, 25419), (102, 25443), (107, 25503),

Gene: UPIE_25 Start: 24373, Stop: 25545, Start Num: 32

Candidate Starts for UPIE_25:

(30, 24343), (Start: 32 @24373 has 28 MA's), (54, 24820), (61, 24898), (63, 24943), (66, 25018), (72, 25063), (77, 25138), (78, 25165), (80, 25183), (82, 25219), (83, 25222), (87, 25282), (92, 25333), (94, 25348), (99, 25417), (102, 25441), (107, 25501),

Gene: UncleRicky_33 Start: 27639, Stop: 28832, Start Num: 35

Candidate Starts for UncleRicky_33:

(Start: 35 @27639 has 96 MA's), (40, 27723), (47, 27873), (48, 27927), (53, 28068), (61, 28149), (66, 28275), (67, 28281), (77, 28395), (80, 28437), (82, 28473), (84, 28491), (86, 28527), (87, 28536), (97, 28650), (100, 28692), (101, 28701), (104, 28758), (105, 28761),

Gene: Veteran_30 Start: 26344, Stop: 27537, Start Num: 35

Candidate Starts for Veteran_30:

(Start: 35 @26344 has 96 MA's), (40, 26428), (47, 26578), (48, 26632), (53, 26773), (61, 26854), (66, 26980), (67, 26986), (68, 26989), (72, 27025), (77, 27100), (80, 27142), (82, 27178), (87, 27241), (97, 27355), (100, 27397), (101, 27406), (104, 27463), (105, 27466),

Gene: Wamburgexpress_25 Start: 24388, Stop: 25560, Start Num: 32

Candidate Starts for Wamburgexpress_25:

(30, 24358), (Start: 32 @24388 has 28 MA's), (54, 24835), (61, 24913), (63, 24958), (66, 25033), (72, 25078), (77, 25153), (78, 25180), (80, 25198), (82, 25234), (83, 25237), (87, 25297), (92, 25348), (94, 25363), (99, 25432), (102, 25456), (107, 25516),

Gene: Wee_31 Start: 27069, Stop: 28223, Start Num: 35

Candidate Starts for Wee_31:

(9, 26796), (16, 26817), (Start: 35 @27069 has 96 MA's), (40, 27153), (47, 27303), (48, 27357), (53, 27498), (61, 27579), (66, 27705), (67, 27711), (72, 27750), (75, 27810), (77, 27825), (80, 27867), (82, 27903), (83, 27906), (86, 27957), (87, 27966), (97, 28080), (105, 28191), (111, 28212),

Gene: Wyatt2_25 Start: 24375, Stop: 25547, Start Num: 32

Candidate Starts for Wyatt2_25:

(30, 24345), (Start: 32 @24375 has 28 MA's), (54, 24822), (61, 24900), (63, 24945), (66, 25020), (72, 25065), (77, 25140), (78, 25167), (80, 25185), (82, 25221), (83, 25224), (87, 25284), (92, 25335), (94, 25350), (99, 25419), (102, 25443), (107, 25503),

Gene: Yahalom_46 Start: 40281, Stop: 41546, Start Num: 29

Candidate Starts for Yahalom_46:

(26, 40251), (Start: 27 @40269 has 10 MA's), (28, 40272), (Start: 29 @40281 has 14 MA's), (Start: 31 @40323 has 17 MA's), (Start: 34 @40344 has 1 MA's), (36, 40371), (37, 40386), (38, 40428), (Start: 42 @40479 has 1 MA's), (45, 40569), (47, 40584), (49, 40698), (55, 40800), (65, 40962), (66, 41007), (67, 41013), (68, 41016), (70, 41022), (72, 41052), (78, 41154), (82, 41211), (86, 41262), (89, 41298), (90, 41310), (94, 41343), (96, 41358), (106, 41508),

Gene: Yinz_46 Start: 40307, Stop: 41572, Start Num: 29

Candidate Starts for Yinz_46:

(26, 40277), (Start: 27 @40295 has 10 MA's), (28, 40298), (Start: 29 @40307 has 14 MA's), (Start: 31 @40349 has 17 MA's), (Start: 34 @40370 has 1 MA's), (36, 40397), (37, 40412), (38, 40454), (Start: 42 @40505 has 1 MA's), (45, 40595), (47, 40610), (49, 40724), (55, 40826), (65, 40988), (66, 41033), (67, 41039), (68, 41042), (70, 41048), (72, 41078), (78, 41180), (82, 41237), (86, 41288), (89, 41324), (90, 41336), (94, 41369), (96, 41384), (106, 41534),

Gene: Zakai_27 Start: 25342, Stop: 26511, Start Num: 32

Candidate Starts for Zakai_27:

(Start: 32 @25342 has 28 MA's), (43, 25510), (46, 25594), (48, 25654), (51, 25756), (53, 25783), (60, 25852), (61, 25864), (66, 25984), (67, 25990), (78, 26131), (80, 26149), (82, 26185), (87, 26248), (93, 26302), (98, 26380), (99, 26383), (102, 26407),

Gene: Zaria_25 Start: 24389, Stop: 25561, Start Num: 32

Candidate Starts for Zaria_25:

(30, 24359), (Start: 32 @24389 has 28 MA's), (54, 24836), (61, 24914), (63, 24959), (66, 25034), (72, 25079), (77, 25154), (78, 25181), (80, 25199), (82, 25235), (83, 25238), (87, 25298), (92, 25349), (94, 25364), (99, 25433), (102, 25457), (107, 25517),

Gene: Zerg_30 Start: 26357, Stop: 27550, Start Num: 35

Candidate Starts for Zerg_30:

(Start: 35 @26357 has 96 MA's), (40, 26441), (47, 26591), (48, 26645), (53, 26786), (61, 26867), (66, 26993), (67, 26999), (72, 27038), (75, 27098), (77, 27113), (80, 27155), (82, 27191), (86, 27245), (87, 27254), (97, 27368), (100, 27410), (101, 27419), (104, 27476), (105, 27479),