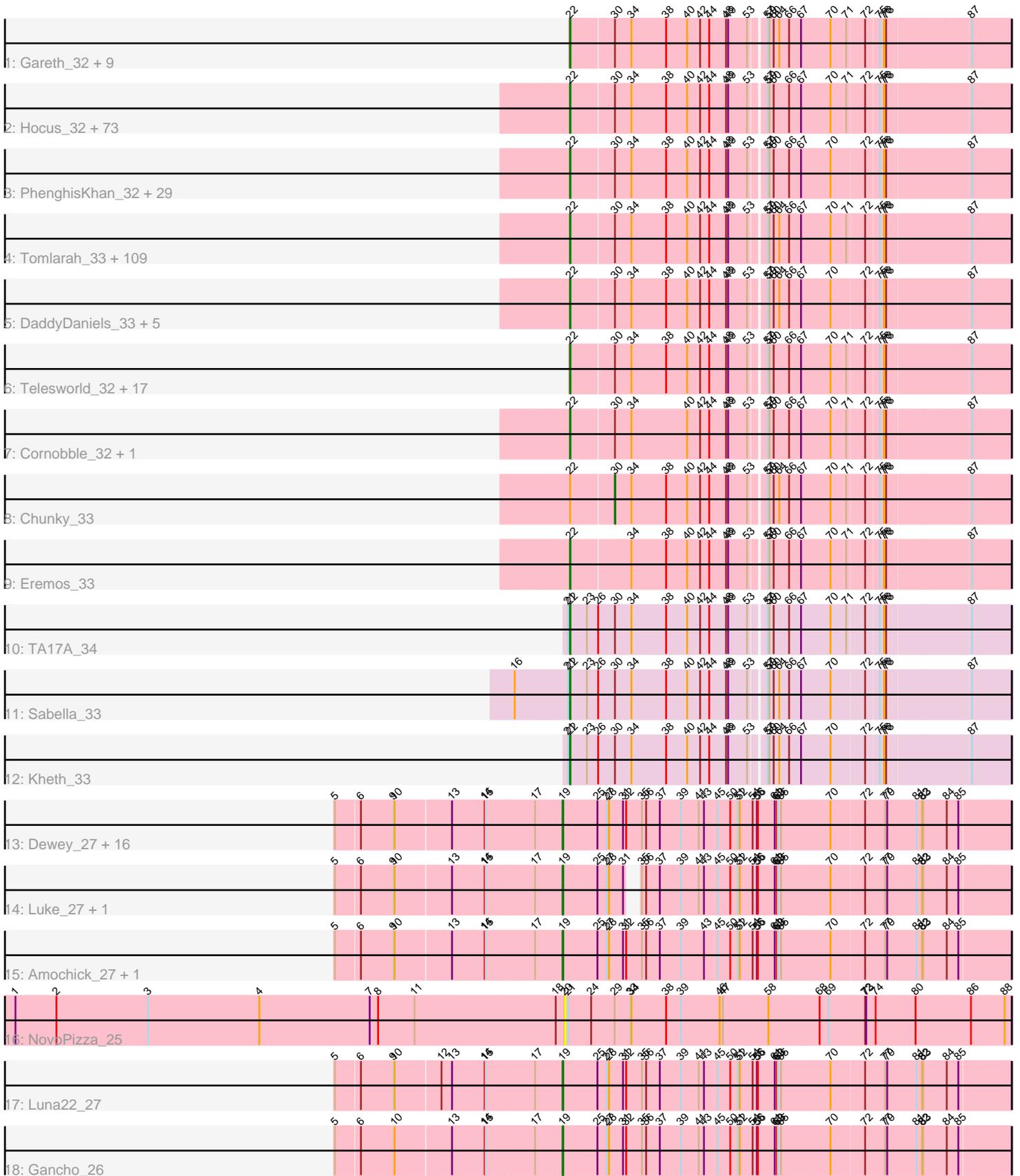


Pham 283434



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 283434 Report

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

Pham number 283434 has 279 members, 28 are drafts.

Phages represented in each track:

- Track 1 : Gareth_32, OSmaximus_33, Gwilliam_33, Etaye_33, Crownjwl_33, AngelCake_33, Newman_33, Riverton_32, Gyarad_0033, Fozzie_32
- Track 2 : Hocus_32, Cannibal_33, Larson_34, SassyCat97_32, Brilliant_33, Manad_32, Vortex_33, Surely_33, Coletti_33, Hetaeria_33, Morgushi_33, Chorkpop_33, Antonia_32, Chute_32, Skippy_33, SirBeauregard_33, Colbert_33, Kloppinator_33, Iridoclysis_33, Valjean_33, Happabalu_33, Podrick_33, BlacksBerry_32, UAch1_33, Sophia_32, Schadenfreude_32, Squid_33, Morty_33, Roscoe_34, Daffy_33, Olive_33, Timmi_32, RedMaple_32, Flake_34, Anderson_33, Vaishali24_32, Keitherie_33, Aleia_33, Soile_33, Windsor_32, PhrodoBaggins_32, Aonishiki_33, Megatron_33, Virgeve_32, Mulan_32, FleetyMac_32, LeeLot_33, EmpTee_33, Robyn_32, ShiVal_33, SilverBell_33, PinheadLarry_33, DonSanchon_32, Thora_33, Vivaldi_33, Lopsy_32, Legolas_32, Tooj_33, Aelin_32, DolOn_34, Zelda_33, DelRivs_32, Carthage_31, ProfessorX_33, Quisquilliae_33, PallasAthena_33, Gwennie1_33, Chah_34, Spartan300_33, Chaelin_33, Phleuron_32, Suffolk_33, Harvey_33, ShadowBud_33
- Track 3 : PhenghisKhan_32, Veritas_32, Kailash_33, Mosaic_32, DuchessDung_31, Xavier_32, Lehmann_33, CampRoach_33, Doddsville_33, LostAndPhound_32, Dati_33, BatteryCK_32, Weher20_33, Oline_32, Potter_32, Triad_33, Iridessa_33, Caspiboi_32, Swiphy_33, Mag7_32, PhatLouie_33, Melc17_33, PhrankReynolds_32, Jiminy_32, Hartsy_33, MitKao_33, Phergie_32, MichaelPhcott_32, LasagnaCat_33, Karn_32
- Track 4 : Tomlarah_33, Charles1_33, Dione_32, KingTut_24, Lulwa_33, Plata_33, Nicole21_33, Grand2040_32, Hertubise_33, QueenBeane_33, CamL_33, LemonSlice_33, Omniscient_33, Squiggle_33, Jesabah_33, Olak_32, Banjo_32, Ricotta_32, Murdoc_33, FremontTroll_33, Haleema_32, Selr12_33, Maru_32, KLucky39_33, Pacifista_32, Sigman_33, Inchworm_33, Soto_33, Lasso_33, Held_33, Simielle_32, Megamind20_33, Lego3393_33, Kimbrough_33, Mecca_32, Sheila_33, Zaider_34, True_32, Scrick_33, Phamished_33, Lumine_32, MiniBoss_33, Mcshane_32, FugateOSU_32, Bluephacebaby_32, ABU_33, Oosterbaan_33, BlueHusk_33, SallyH_33, Lulumae_32, Prickles_33, Orfeu_32, BoogieWoogie_32, Pherdinand_33, TooFast2Furius_34, Samaymay_33, Orwigg_32, Basato_34, OliverWalter_33, Mesmerelda_32, Matalotodo_33, Yoshand_33, RedRaider89_33, FluffyNinja_33, KingVeVeVe_33, DirtJuice_33, Horchata_33, Toni_32, Usavi_33, Magic8_33, LeiMonet_33, Giraffe_33, Dingo_33, Swish_33, FriarPreacher_33, Bishoperium_32, Nyala_32, BlackStallion_33, Inverness_33, Cher_32, Mutante_32, Vaticameos_33, IsaacEli_33, GreenChile_33, Roy17_33, Mana_32, Nacho_0033, LuckyMarjie_32, CheetO_33, Hamish_33, TallGrassMM_33, HSavage_33,

MRabcd_32, AbsoluteMadLad_32, Buckeye_33, Placalicious_32, Frankicide_33, SDcharge11_33, Dice_32, Serpentine_0033, KlimbOn_33, Haimas_33, Kwadwo_32, YouGoGlencoco_33, Duggie_32, Roliet_33, JacAttac_33, Phunky_33, Mikota_33, UncleHowie_33

- Track 5 : DaddyDaniels_33, Struggle_32, JakeO_32, TomBombadil_33, Thunderbird_32, Jiraiya_32
- Track 6 : Telesworld_32, Schueller_32, Gophee_33, Burr_32, Altwerkus_32, Riggan_33, Fringe_33, Numberten_33, Phipps_33, JangoPhett_33, Puhltonio_33, DoesntMatter_33, Slatt_33, Andre_33, Apizium_32, Plmatters_33, Virapocalypse_33, Beaglebox_32
- Track 7 : Cornobble_32, Daka_33
- Track 8 : Chunky_33
- Track 9 : Eremos_33
- Track 10 : TA17A_34
- Track 11 : Sabella_33
- Track 12 : Kheth_33
- Track 13 : Dewey_27, LilHazelNut_27, Hail_27, Hadrien_27, Evanesce_27, Amymech_27, HH92_27, Wishmaker_27, Ubuntu_27, Kinbote_27, BloominB_27, Webster2_27, DeepSoil15_27, Ein37_27, OBUpride_27, Giles_27, Gravallia_27
- Track 14 : Luke_27, Forge_27
- Track 15 : Amochick_27, Daegal_28
- Track 16 : NovoPizza_25
- Track 17 : Luna22_27
- Track 18 : Gancho_26

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

The start number called the most often in the published annotations is 22, it was called in 228 of the 251 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ABU_33, AbsoluteMadLad_32, Aelin_32, Aleia_33, Altwerkus_32, Anderson_33, Andre_33, AngelCake_33, Antonia_32, Aonishiki_33, Apizium_32, Banjo_32, Basato_34, BatteryCK_32, Beaglebox_32, Bishoperium_32, BlackStallion_33, BlacksBerry_32, BlueHusk_33, Bluephacebaby_32, BoogieWoogie_32, Brilliant_33, Buckeye_33, Burr_32, CamL_33, CampRoach_33, Cannibal_33, Carthage_31, Caspiboi_32, Chaelin_33, Chah_34, Charles1_33, CheetO_33, Cher_32, Chorkpop_33, Chute_32, Colbert_33, Coletti_33, Cornobble_32, Crownjwl_33, DaddyDaniels_33, Daffy_33, Daka_33, Dati_33, DelRivs_32, Dice_32, Dingo_33, Dione_32, DirtJuice_33, Doddsville_33, DoesntMatter_33, DoIOn_34, DonSanchon_32, DuchessDung_31, Duggie_32, EmpTee_33, Eremos_33, Etaye_33, Flake_34, FleetyMac_32, FluffyNinja_33, Fozzie_32, Frankicide_33, FremontTroll_33, FriarPreacher_33, Fringe_33, FugateOSU_32, Gareth_32, Giraffe_33, Gophee_33, Grand2040_32, GreenChile_33, Gwennie1_33, Gwilliam_33, Gyarad_0033, HSavage_33, Haimas_33, Haleema_32, Hamish_33, Happabalu_33, Hartsy_33, Harvey_33, Held_33, Hertubise_33, Hetaeria_33, Hocus_32, Horchata_33, Inchworm_33, Inverness_33, Iridessa_33, Iridoclysis_33, IsaacEli_33, JacAttac_33, JakeO_32, JangoPhett_33, Jesabah_33, Jiminy_32, Jiraiya_32, KLucky39_33, Kailash_33, Karn_32, Keitherie_33, Kheth_33, Kimbrough_33, KingTut_24, KingVeVeVe_33, KlimbOn_33, Kloppinator_33, Kwadwo_32, Larson_34,

LasagnaCat_33, Lasso_33, LeeLot_33, Lego3393_33, Legolas_32, Lehmann_33, LeiMonet_33, LemonSlice_33, Lopsy_32, LostAndPhound_32, LuckyMarjie_32, Lulumae_32, Lulwa_33, Lumine_32, MRabcd_32, Mag7_32, Magic8_33, Mana_32, Manad_32, Maru_32, Matalotodo_33, Mcshane_32, Mecca_32, Megamind20_33, Megatron_33, Melc17_33, Mesmerelda_32, MichaelPhcott_32, Mikota_33, MiniBoss_33, MitKao_33, Morgushi_33, Morty_33, Mosaic_32, Mulan_32, Murdoc_33, Mutante_32, Nacho_0033, Newman_33, Nicole21_33, Numberberten_33, Nyala_32, OSmaximus_33, Olak_32, Oline_32, Olive_33, OliverWalter_33, Omniscient_33, Oosterbaan_33, Orfeu_32, Orwigg_32, Pacifista_32, PallasAthena_33, Phamished_33, PhatLouie_33, PhenghisKhan_32, Pherdinand_33, Phergie_32, Phipps_33, Phleuron_32, PhrankReynolds_32, PhrodoBaggins_32, Phunky_33, PinheadLarry_33, Placalicious_32, Plata_33, Plmatters_33, Podrick_33, Potter_32, Prickles_33, ProfessorX_33, Puhltonio_33, QueenBeane_33, Quisquilliae_33, RedMaple_32, RedRaider89_33, Ricotta_32, Riggan_33, Riverton_32, Robyn_32, Roliet_33, Roscoe_34, Roy17_33, SDcharge11_33, Sabella_33, SallyH_33, Samaymay_33, SassyCat97_32, Schadenfreude_32, Schueller_32, Scrick_33, Selr12_33, Serpentine_0033, ShadowBud_33, Sheila_33, ShiVal_33, Sigman_33, SilverBell_33, Simielle_32, SirBeauregard_33, Skippy_33, Slatt_33, Soile_33, Sophia_32, Soto_33, Spartan300_33, Squid_33, Squiggle_33, Struggle_32, Suffolk_33, Surely_33, Swiphy_33, Swish_33, TA17A_34, TallGrassMM_33, Telesworld_32, Thora_33, Thunderbird_32, Timmi_32, TomBombadil_33, Tomlarah_33, Toni_32, TooFast2Furius_34, Tooj_33, Triad_33, True_32, UAch1_33, UncleHowie_33, Usavi_33, Vaishali24_32, Valjean_33, Vaticameos_33, Veritas_32, Virapocalypse_33, Virgeve_32, Vivaldi_33, Vortex_33, Weher20_33, Windsor_32, Xavier_32, Yoshand_33, YouGoGlencoco_33, Zaider_34, Zelda_33,

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

- Chunky_33,

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

- Amochick_27, Amymech_27, BloominB_27, Daegal_28, DeepSoil15_27, Dewey_27, Ein37_27, Evanesce_27, Forge_27, Gancho_26, Giles_27, Gravaillia_27, HH92_27, Hadrien_27, Hail_27, Kinbote_27, LilHazelNut_27, Luke_27, Luna22_27, NovoPizza_25, OBUpride_27, Ubuntu_27, Webster2_27, Wishmaker_27,

Summary by start number:

Start 19:

- Found in 23 of 279 (8.2%) of genes in pham
- Manual Annotations of this start: 22 of 251
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amochick_27 (Q), Amymech_27 (Q), BloominB_27 (Q), Daegal_28 (Q), DeepSoil15_27 (Q), Dewey_27 (Q), Ein37_27 (Q), Evanesce_27 (Q), Forge_27 (Q), Gancho_26 (Q), Giles_27 (Q), Gravaillia_27 (Q), HH92_27 (Q), Hadrien_27 (Q), Hail_27 (Q), Kinbote_27 (Q), LilHazelNut_27 (Q), Luke_27 (Q), Luna22_27 (Q), OBUpride_27 (Q), Ubuntu_27 (Q), Webster2_27 (Q), Wishmaker_27 (Q),

Start 20:

- Found in 1 of 279 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: NovoPizza_25 (Q),

Start 22:

- Found in 255 of 279 (91.4%) of genes in pham
- Manual Annotations of this start: 228 of 251
- Called 99.6% of time when present
- Phage (with cluster) where this start called: ABU_33 (B1), AbsoluteMadLad_32 (B1), Aelin_32 (B1), Aleia_33 (B1), Altwerkus_32 (B1), Anderson_33 (B1), Andre_33 (B1), AngelCake_33 (B1), Antonia_32 (B1), Aonishiki_33 (B1), Apizium_32 (B1), Banjo_32 (B1), Basato_34 (B1), BatteryCK_32 (B1), Beaglebox_32 (B1), Bishoperium_32 (B1), BlackStallion_33 (B1), BlacksBerry_32 (B1), BlueHusk_33 (B1), Bluephacebaby_32 (B1), BoogieWoogie_32 (B1), Brilliant_33 (B1), Buckeye_33 (B1), Burr_32 (B1), CamL_33 (B1), CampRoach_33 (B1), Cannibal_33 (B1), Carthage_31 (B1), Caspiboi_32 (B1), Chaelin_33 (B1), Chah_34 (B1), Charles1_33 (B1), CheetO_33 (B1), Cher_32 (B1), Chorkpop_33 (B1), Chute_32 (B1), Colbert_33 (B1), Coletti_33 (B1), Cornobble_32 (B1), Crownjwl_33 (B1), DaddyDaniels_33 (B1), Daffy_33 (B1), Daka_33 (B1), Dati_33 (B1), DelRivs_32 (B1), Dice_32 (B1), Dingo_33 (B1), Dione_32 (B1), DirtJuice_33 (B1), Doddsville_33 (B1), DoesntMatter_33 (B1), DolOn_34 (B1), DonSancho_32 (B1), DuchessDung_31 (B1), Duggie_32 (B1), EmpTee_33 (B1), Eremos_33 (B1), Etaye_33 (B1), Flake_34 (B1), FleetyMac_32 (B1), FluffyNinja_33 (B1), Fozzie_32 (B1), Frankicide_33 (B1), FremontTroll_33 (B1), FriarPreacher_33 (B1), Fringe_33 (B1), FugateOSU_32 (B1), Gareth_32 (B1), Giraffe_33 (B1), Gophee_33 (B1), Grand2040_32 (B1), GreenChile_33 (B1), Gwennie1_33 (B1), Gwilliam_33 (B1), Gyrad_0033 (B1), HSavage_33 (B1), Haimas_33 (B1), Haleema_32 (B1), Hamish_33 (B1), Happabalu_33 (B1), Hartsy_33 (B1), Harvey_33 (B1), Held_33 (B1), Hertubise_33 (B1), Hetaeria_33 (B1), Hocus_32 (B1), Horchata_33 (B1), Inchworm_33 (B1), Inverness_33 (B1), Iridessa_33 (B1), Iridoclysis_33 (B1), IsaacEli_33 (B1), JacAttac_33 (B1), JakeO_32 (B1), JangoPhett_33 (B1), Jesabah_33 (B1), Jiminy_32 (B1), Jiraiya_32 (B1), KLucky39_33 (B1), Kailash_33 (B1), Karn_32 (B1), Keitherie_33 (B1), Kheth_33 (B2), Kimbrough_33 (B1), KingTut_24 (B1), KingVeVeVe_33 (B1), KlimbOn_33 (B1), Kloppinator_33 (B1), Kwadwo_32 (B1), Larson_34 (B1), LasagnaCat_33 (B1), Lasso_33 (B1), LeeLot_33 (B1), Lego3393_33 (B1), Legolas_32 (B1), Lehmann_33 (B1), LeiMonet_33 (B1), LemonSlice_33 (B1), Lopsy_32 (B1), LostAndPhound_32 (B1), LuckyMarjie_32 (B1), Lulumae_32 (B1), Lulwa_33 (B1), Lumine_32 (B1), MRabcd_32 (B1), Mag7_32 (B1), Magic8_33 (B1), Mana_32 (B1), Manad_32 (B1), Maru_32 (B1), Matalotodo_33 (B1), Mcshane_32 (B1), Mecca_32 (B1), Megamind20_33 (B1), Megatron_33 (B1), Melc17_33 (B1), Mesmerelda_32 (B1), MichaelPhcott_32 (B1), Mikota_33 (B1), MiniBoss_33 (B1), MitKao_33 (B1), Morgushi_33 (B1), Morty_33 (B1), Mosaic_32 (B1), Mulan_32 (B1), Murdoc_33 (B1), Mutante_32 (B1), Nacho_0033 (B1), Newman_33 (B1), Nicole21_33 (B1), Numberten_33 (B1), Nyala_32 (B1), OSmaximus_33 (B1), Olak_32 (B1), Oline_32 (B1), Olive_33 (B1), OliverWalter_33 (B1), Omniscient_33 (B1), Oosterbaan_33 (B1), Orfeu_32 (B1), Orwigg_32 (B1), Pacifista_32 (B1), PallasAthena_33 (B1), Phamished_33 (B1), PhatLouie_33 (B1), PhenghisKhan_32 (B1), Pherdinand_33 (B1), Phergie_32 (B1), Phipps_33 (B1), Phleuron_32 (B1), PhrankReynolds_32 (B1), PhrodoBaggins_32 (B1), Phunky_33 (B1), PinheadLarry_33 (B1), Placalicious_32 (B1), Plata_33 (B1), Plmatters_33 (B1), Podrick_33 (B1), Potter_32 (B1), Prickles_33 (B1), ProfessorX_33 (B1), Puhltonio_33 (B1), QueenBeane_33 (B1), Quisquillae_33 (B1), RedMaple_32 (B1), RedRaider89_33 (B1), Ricotta_32 (B1), Riggan_33 (B1), Riverton_32 (B1), Robyn_32 (B1), Roliet_33 (B1), Roscoe_34 (B1), Roy17_33 (B1), SDcharge11_33 (B1), Sabella_33 (B2), SallyH_33 (B1), Samaymay_33 (B1), SassyCat97_32 (B1), Schadenfreude_32 (B1), Schueller_32 (B1), Scrick_33 (B1),

Selr12_33 (B1), Serpentine_0033 (B1), ShadowBud_33 (B1), Sheila_33 (B1), ShiVal_33 (B1), Sigman_33 (B1), SilverBell_33 (B1), Simielle_32 (B1), SirBeauregard_33 (B1), Skippy_33 (B1), Slatt_33 (B1), Soile_33 (B1), Sophia_32 (B1), Soto_33 (B1), Spartan300_33 (B1), Squid_33 (B1), Squiggle_33 (B1), Struggle_32 (B1), Suffolk_33 (B1), Surely_33 (B1), Swiphy_33 (B1), Swish_33 (B1), TA17A_34 (B2), TallGrassMM_33 (B1), Telesworld_32 (B1), Thora_33 (B1), Thunderbird_32 (B1), Timmi_32 (B1), TomBombadil_33 (B1), Tomlarah_33 (B1), Toni_32 (B1), TooFast2Furius_34 (B1), Tooj_33 (B1), Triad_33 (B1), True_32 (B1), UAch1_33 (B1), UncleHowie_33 (B1), Usavi_33 (B1), Vaishali24_32 (B1), Valjean_33 (B1), Vaticameos_33 (B1), Veritas_32 (B1), Virapocalypse_33 (B1), Virgeve_32 (B1), Vivaldi_33 (B1), Vortex_33 (B1), Weher20_33 (B1), Windsor_32 (B1), Xavier_32 (B1), Yoshand_33 (B1), YouGoGlencoco_33 (B1), Zaider_34 (B1), Zelda_33 (B1),

Start 30:

- Found in 254 of 279 (91.0%) of genes in pham
- Manual Annotations of this start: 1 of 251
- Called 0.4% of time when present
- Phage (with cluster) where this start called: Chunky_33 (B1),

Summary by clusters:

There are 3 clusters represented in this pham: Q, B1, B2,

Info for manual annotations of cluster B1:

- Start number 22 was manually annotated 225 times for cluster B1.
- Start number 30 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster B2:

- Start number 22 was manually annotated 3 times for cluster B2.

Info for manual annotations of cluster Q:

- Start number 19 was manually annotated 22 times for cluster Q.

Gene Information:

Gene: ABU_33 Start: 32364, Stop: 33524, Start Num: 22

Candidate Starts for ABU_33:

(Start: 22 @32364 has 228 MA's), (Start: 30 @32475 has 1 MA's), (34, 32520), (38, 32619), (40, 32679), (42, 32715), (44, 32739), (48, 32784), (49, 32790), (53, 32841), (57, 32880), (59, 32883), (60, 32895), (64, 32910), (66, 32934), (67, 32967), (70, 33048), (71, 33093), (72, 33141), (75, 33177), (76, 33186), (78, 33192), (87, 33417),

Gene: AbsoluteMadLad_32 Start: 32373, Stop: 33533, Start Num: 22

Candidate Starts for AbsoluteMadLad_32:

(Start: 22 @32373 has 228 MA's), (Start: 30 @32484 has 1 MA's), (34, 32529), (38, 32628), (40, 32688), (42, 32724), (44, 32748), (48, 32793), (49, 32799), (53, 32850), (57, 32889), (59, 32892), (60, 32904), (64, 32919), (66, 32943), (67, 32976), (70, 33057), (71, 33102), (72, 33150), (75, 33186), (76, 33195), (78, 33201), (87, 33426),

Gene: Aelin_32 Start: 31928, Stop: 33088, Start Num: 22

Candidate Starts for Aelin_32:

(Start: 22 @31928 has 228 MA's), (Start: 30 @32039 has 1 MA's), (34, 32084), (38, 32183), (40, 32243), (42, 32279), (44, 32303), (48, 32348), (49, 32354), (53, 32405), (57, 32444), (59, 32447), (60, 32459), (66, 32498), (67, 32531), (70, 32612), (71, 32657), (72, 32705), (75, 32741), (76, 32750), (78, 32756), (87, 32981),

Gene: Aleia_33 Start: 31945, Stop: 33105, Start Num: 22

Candidate Starts for Aleia_33:

(Start: 22 @31945 has 228 MA's), (Start: 30 @32056 has 1 MA's), (34, 32101), (38, 32200), (40, 32260), (42, 32296), (44, 32320), (48, 32365), (49, 32371), (53, 32422), (57, 32461), (59, 32464), (60, 32476), (66, 32515), (67, 32548), (70, 32629), (71, 32674), (72, 32722), (75, 32758), (76, 32767), (78, 32773), (87, 32998),

Gene: Altwerkus_32 Start: 32052, Stop: 33212, Start Num: 22

Candidate Starts for Altwerkus_32:

(Start: 22 @32052 has 228 MA's), (Start: 30 @32163 has 1 MA's), (34, 32208), (38, 32307), (40, 32367), (42, 32403), (44, 32427), (48, 32472), (49, 32478), (53, 32529), (57, 32568), (59, 32571), (60, 32583), (66, 32622), (67, 32655), (70, 32736), (71, 32781), (72, 32829), (75, 32865), (76, 32874), (78, 32880), (87, 33105),

Gene: Amochick_27 Start: 23377, Stop: 24615, Start Num: 19

Candidate Starts for Amochick_27:

(5, 22765), (6, 22831), (9, 22921), (10, 22924), (13, 23074), (14, 23161), (15, 23164), (17, 23302), (Start: 19 @23377 has 22 MA's), (25, 23473), (27, 23500), (28, 23506), (31, 23545), (32, 23554), (35, 23599), (36, 23611), (37, 23650), (39, 23707), (43, 23773), (45, 23812), (50, 23845), (51, 23866), (52, 23872), (54, 23908), (55, 23920), (56, 23923), (61, 23971), (62, 23977), (63, 23980), (65, 23989), (70, 24127), (72, 24220), (77, 24277), (79, 24283), (81, 24367), (82, 24382), (83, 24385), (84, 24451), (85, 24484),

Gene: Amymech_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Amymech_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: Anderson_33 Start: 32357, Stop: 33517, Start Num: 22

Candidate Starts for Anderson_33:

(Start: 22 @32357 has 228 MA's), (Start: 30 @32468 has 1 MA's), (34, 32513), (38, 32612), (40, 32672), (42, 32708), (44, 32732), (48, 32777), (49, 32783), (53, 32834), (57, 32873), (59, 32876), (60, 32888), (66, 32927), (67, 32960), (70, 33041), (71, 33086), (72, 33134), (75, 33170), (76, 33179), (78, 33185), (87, 33410),

Gene: Andre_33 Start: 32356, Stop: 33516, Start Num: 22

Candidate Starts for Andre_33:

(Start: 22 @32356 has 228 MA's), (Start: 30 @32467 has 1 MA's), (34, 32512), (38, 32611), (40, 32671), (42, 32707), (44, 32731), (48, 32776), (49, 32782), (53, 32833), (57, 32872), (59, 32875), (60, 32887), (66, 32926), (67, 32959), (70, 33040), (71, 33085), (72, 33133), (75, 33169), (76, 33178), (78, 33184), (87, 33409),

Gene: AngelCake_33 Start: 32376, Stop: 33536, Start Num: 22

Candidate Starts for AngelCake_33:

(Start: 22 @32376 has 228 MA's), (Start: 30 @32487 has 1 MA's), (34, 32532), (38, 32631), (40, 32691), (42, 32727), (44, 32751), (48, 32796), (49, 32802), (53, 32853), (57, 32892), (59, 32895), (60, 32907), (64, 32922), (66, 32946), (67, 32979), (70, 33060), (71, 33105), (72, 33153), (75, 33189), (76, 33198), (78, 33204), (87, 33429),

Gene: Antonia_32 Start: 31928, Stop: 33088, Start Num: 22

Candidate Starts for Antonia_32:

(Start: 22 @31928 has 228 MA's), (Start: 30 @32039 has 1 MA's), (34, 32084), (38, 32183), (40, 32243), (42, 32279), (44, 32303), (48, 32348), (49, 32354), (53, 32405), (57, 32444), (59, 32447), (60, 32459), (66, 32498), (67, 32531), (70, 32612), (71, 32657), (72, 32705), (75, 32741), (76, 32750), (78, 32756), (87, 32981),

Gene: Aonishiki_33 Start: 32400, Stop: 33560, Start Num: 22

Candidate Starts for Aonishiki_33:

(Start: 22 @32400 has 228 MA's), (Start: 30 @32511 has 1 MA's), (34, 32556), (38, 32655), (40, 32715), (42, 32751), (44, 32775), (48, 32820), (49, 32826), (53, 32877), (57, 32916), (59, 32919), (60, 32931), (66, 32970), (67, 33003), (70, 33084), (71, 33129), (72, 33177), (75, 33213), (76, 33222), (78, 33228), (87, 33453),

Gene: Apizium_32 Start: 32120, Stop: 33280, Start Num: 22

Candidate Starts for Apizium_32:

(Start: 22 @32120 has 228 MA's), (Start: 30 @32231 has 1 MA's), (34, 32276), (38, 32375), (40, 32435), (42, 32471), (44, 32495), (48, 32540), (49, 32546), (53, 32597), (57, 32636), (59, 32639), (60, 32651), (66, 32690), (67, 32723), (70, 32804), (71, 32849), (72, 32897), (75, 32933), (76, 32942), (78, 32948), (87, 33173),

Gene: Banjo_32 Start: 32062, Stop: 33222, Start Num: 22

Candidate Starts for Banjo_32:

(Start: 22 @32062 has 228 MA's), (Start: 30 @32173 has 1 MA's), (34, 32218), (38, 32317), (40, 32377), (42, 32413), (44, 32437), (48, 32482), (49, 32488), (53, 32539), (57, 32578), (59, 32581), (60, 32593), (64, 32608), (66, 32632), (67, 32665), (70, 32746), (71, 32791), (72, 32839), (75, 32875), (76, 32884), (78, 32890), (87, 33115),

Gene: Basato_34 Start: 32641, Stop: 33801, Start Num: 22

Candidate Starts for Basato_34:

(Start: 22 @32641 has 228 MA's), (Start: 30 @32752 has 1 MA's), (34, 32797), (38, 32896), (40, 32956), (42, 32992), (44, 33016), (48, 33061), (49, 33067), (53, 33118), (57, 33157), (59, 33160), (60, 33172), (64, 33187), (66, 33211), (67, 33244), (70, 33325), (71, 33370), (72, 33418), (75, 33454), (76, 33463), (78, 33469), (87, 33694),

Gene: BatteryCK_32 Start: 31981, Stop: 33141, Start Num: 22

Candidate Starts for BatteryCK_32:

(Start: 22 @31981 has 228 MA's), (Start: 30 @32092 has 1 MA's), (34, 32137), (38, 32236), (40, 32296), (42, 32332), (44, 32356), (48, 32401), (49, 32407), (53, 32458), (57, 32497), (59, 32500), (60, 32512), (66, 32551), (67, 32584), (70, 32665), (72, 32758), (75, 32794), (76, 32803), (78, 32809), (87, 33034),

Gene: Beaglebox_32 Start: 32083, Stop: 33243, Start Num: 22

Candidate Starts for Beaglebox_32:

(Start: 22 @32083 has 228 MA's), (Start: 30 @32194 has 1 MA's), (34, 32239), (38, 32338), (40, 32398), (42, 32434), (44, 32458), (48, 32503), (49, 32509), (53, 32560), (57, 32599), (59, 32602), (60, 32614), (66, 32653), (67, 32686), (70, 32767), (71, 32812), (72, 32860), (75, 32896), (76, 32905), (78, 32911), (87, 33136),

Gene: Bishoperium_32 Start: 32071, Stop: 33231, Start Num: 22

Candidate Starts for Bishoperium_32:

(Start: 22 @32071 has 228 MA's), (Start: 30 @32182 has 1 MA's), (34, 32227), (38, 32326), (40, 32386), (42, 32422), (44, 32446), (48, 32491), (49, 32497), (53, 32548), (57, 32587), (59, 32590), (60, 32602), (64, 32617), (66, 32641), (67, 32674), (70, 32755), (71, 32800), (72, 32848), (75, 32884), (76, 32893), (78, 32899), (87, 33124),

Gene: BlackStallion_33 Start: 32373, Stop: 33533, Start Num: 22

Candidate Starts for BlackStallion_33:

(Start: 22 @32373 has 228 MA's), (Start: 30 @32484 has 1 MA's), (34, 32529), (38, 32628), (40, 32688), (42, 32724), (44, 32748), (48, 32793), (49, 32799), (53, 32850), (57, 32889), (59, 32892), (60, 32904), (64, 32919), (66, 32943), (67, 32976), (70, 33057), (71, 33102), (72, 33150), (75, 33186), (76, 33195), (78, 33201), (87, 33426),

Gene: BlacksBerry_32 Start: 32089, Stop: 33249, Start Num: 22

Candidate Starts for BlacksBerry_32:

(Start: 22 @32089 has 228 MA's), (Start: 30 @32200 has 1 MA's), (34, 32245), (38, 32344), (40, 32404), (42, 32440), (44, 32464), (48, 32509), (49, 32515), (53, 32566), (57, 32605), (59, 32608), (60, 32620), (66, 32659), (67, 32692), (70, 32773), (71, 32818), (72, 32866), (75, 32902), (76, 32911), (78, 32917), (87, 33142),

Gene: BloominB_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for BloominB_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: BlueHusk_33 Start: 31870, Stop: 33030, Start Num: 22

Candidate Starts for BlueHusk_33:

(Start: 22 @31870 has 228 MA's), (Start: 30 @31981 has 1 MA's), (34, 32026), (38, 32125), (40, 32185), (42, 32221), (44, 32245), (48, 32290), (49, 32296), (53, 32347), (57, 32386), (59, 32389), (60, 32401), (64, 32416), (66, 32440), (67, 32473), (70, 32554), (71, 32599), (72, 32647), (75, 32683), (76, 32692), (78, 32698), (87, 32923),

Gene: Bluephacebaby_32 Start: 32068, Stop: 33228, Start Num: 22

Candidate Starts for Bluephacebaby_32:

(Start: 22 @32068 has 228 MA's), (Start: 30 @32179 has 1 MA's), (34, 32224), (38, 32323), (40, 32383), (42, 32419), (44, 32443), (48, 32488), (49, 32494), (53, 32545), (57, 32584), (59, 32587), (60, 32599), (64, 32614), (66, 32638), (67, 32671), (70, 32752), (71, 32797), (72, 32845), (75, 32881), (76, 32890), (78, 32896), (87, 33121),

Gene: BoogieWoogie_32 Start: 32055, Stop: 33215, Start Num: 22

Candidate Starts for BoogieWoogie_32:

(Start: 22 @32055 has 228 MA's), (Start: 30 @32166 has 1 MA's), (34, 32211), (38, 32310), (40, 32370), (42, 32406), (44, 32430), (48, 32475), (49, 32481), (53, 32532), (57, 32571), (59, 32574), (60, 32586), (64, 32601), (66, 32625), (67, 32658), (70, 32739), (71, 32784), (72, 32832), (75, 32868), (76, 32877), (78, 32883), (87, 33108),

Gene: Brilliant_33 Start: 32079, Stop: 33239, Start Num: 22

Candidate Starts for Brilliant_33:

(Start: 22 @32079 has 228 MA's), (Start: 30 @32190 has 1 MA's), (34, 32235), (38, 32334), (40, 32394), (42, 32430), (44, 32454), (48, 32499), (49, 32505), (53, 32556), (57, 32595), (59, 32598), (60, 32610), (66, 32649), (67, 32682), (70, 32763), (71, 32808), (72, 32856), (75, 32892), (76, 32901), (78, 32907), (87, 33132),

Gene: Buckeye_33 Start: 32391, Stop: 33551, Start Num: 22

Candidate Starts for Buckeye_33:

(Start: 22 @32391 has 228 MA's), (Start: 30 @32502 has 1 MA's), (34, 32547), (38, 32646), (40, 32706), (42, 32742), (44, 32766), (48, 32811), (49, 32817), (53, 32868), (57, 32907), (59, 32910), (60, 32922), (64, 32937), (66, 32961), (67, 32994), (70, 33075), (71, 33120), (72, 33168), (75, 33204), (76, 33213), (78, 33219), (87, 33444),

Gene: Burr_32 Start: 32068, Stop: 33228, Start Num: 22

Candidate Starts for Burr_32:

(Start: 22 @32068 has 228 MA's), (Start: 30 @32179 has 1 MA's), (34, 32224), (38, 32323), (40, 32383), (42, 32419), (44, 32443), (48, 32488), (49, 32494), (53, 32545), (57, 32584), (59, 32587), (60, 32599), (66, 32638), (67, 32671), (70, 32752), (71, 32797), (72, 32845), (75, 32881), (76, 32890), (78, 32896), (87, 33121),

Gene: CamL_33 Start: 32369, Stop: 33529, Start Num: 22

Candidate Starts for CamL_33:

(Start: 22 @32369 has 228 MA's), (Start: 30 @32480 has 1 MA's), (34, 32525), (38, 32624), (40, 32684), (42, 32720), (44, 32744), (48, 32789), (49, 32795), (53, 32846), (57, 32885), (59, 32888), (60, 32900), (64, 32915), (66, 32939), (67, 32972), (70, 33053), (71, 33098), (72, 33146), (75, 33182), (76, 33191), (78, 33197), (87, 33422),

Gene: CampRoach_33 Start: 32359, Stop: 33519, Start Num: 22

Candidate Starts for CampRoach_33:

(Start: 22 @32359 has 228 MA's), (Start: 30 @32470 has 1 MA's), (34, 32515), (38, 32614), (40, 32674), (42, 32710), (44, 32734), (48, 32779), (49, 32785), (53, 32836), (57, 32875), (59, 32878), (60, 32890), (66, 32929), (67, 32962), (70, 33043), (72, 33136), (75, 33172), (76, 33181), (78, 33187), (87, 33412),

Gene: Cannibal_33 Start: 32352, Stop: 33512, Start Num: 22

Candidate Starts for Cannibal_33:

(Start: 22 @32352 has 228 MA's), (Start: 30 @32463 has 1 MA's), (34, 32508), (38, 32607), (40, 32667), (42, 32703), (44, 32727), (48, 32772), (49, 32778), (53, 32829), (57, 32868), (59, 32871), (60, 32883), (66, 32922), (67, 32955), (70, 33036), (71, 33081), (72, 33129), (75, 33165), (76, 33174), (78, 33180), (87, 33405),

Gene: Carthage_31 Start: 31281, Stop: 32441, Start Num: 22

Candidate Starts for Carthage_31:

(Start: 22 @31281 has 228 MA's), (Start: 30 @31392 has 1 MA's), (34, 31437), (38, 31536), (40, 31596), (42, 31632), (44, 31656), (48, 31701), (49, 31707), (53, 31758), (57, 31797), (59, 31800), (60, 31812), (66, 31851), (67, 31884), (70, 31965), (71, 32010), (72, 32058), (75, 32094), (76, 32103), (78, 32109), (87, 32334),

Gene: Caspiboi_32 Start: 32078, Stop: 33238, Start Num: 22

Candidate Starts for Caspiboi_32:

(Start: 22 @32078 has 228 MA's), (Start: 30 @32189 has 1 MA's), (34, 32234), (38, 32333), (40, 32393), (42, 32429), (44, 32453), (48, 32498), (49, 32504), (53, 32555), (57, 32594), (59, 32597), (60, 32609), (66, 32648), (67, 32681), (70, 32762), (72, 32855), (75, 32891), (76, 32900), (78, 32906), (87,

33131),

Gene: Chaelin_33 Start: 32066, Stop: 33226, Start Num: 22

Candidate Starts for Chaelin_33:

(Start: 22 @32066 has 228 MA's), (Start: 30 @32177 has 1 MA's), (34, 32222), (38, 32321), (40, 32381), (42, 32417), (44, 32441), (48, 32486), (49, 32492), (53, 32543), (57, 32582), (59, 32585), (60, 32597), (66, 32636), (67, 32669), (70, 32750), (71, 32795), (72, 32843), (75, 32879), (76, 32888), (78, 32894), (87, 33119),

Gene: Chah_34 Start: 32386, Stop: 33546, Start Num: 22

Candidate Starts for Chah_34:

(Start: 22 @32386 has 228 MA's), (Start: 30 @32497 has 1 MA's), (34, 32542), (38, 32641), (40, 32701), (42, 32737), (44, 32761), (48, 32806), (49, 32812), (53, 32863), (57, 32902), (59, 32905), (60, 32917), (66, 32956), (67, 32989), (70, 33070), (71, 33115), (72, 33163), (75, 33199), (76, 33208), (78, 33214), (87, 33439),

Gene: Charles1_33 Start: 32354, Stop: 33514, Start Num: 22

Candidate Starts for Charles1_33:

(Start: 22 @32354 has 228 MA's), (Start: 30 @32465 has 1 MA's), (34, 32510), (38, 32609), (40, 32669), (42, 32705), (44, 32729), (48, 32774), (49, 32780), (53, 32831), (57, 32870), (59, 32873), (60, 32885), (64, 32900), (66, 32924), (67, 32957), (70, 33038), (71, 33083), (72, 33131), (75, 33167), (76, 33176), (78, 33182), (87, 33407),

Gene: CheetO_33 Start: 32368, Stop: 33528, Start Num: 22

Candidate Starts for CheetO_33:

(Start: 22 @32368 has 228 MA's), (Start: 30 @32479 has 1 MA's), (34, 32524), (38, 32623), (40, 32683), (42, 32719), (44, 32743), (48, 32788), (49, 32794), (53, 32845), (57, 32884), (59, 32887), (60, 32899), (64, 32914), (66, 32938), (67, 32971), (70, 33052), (71, 33097), (72, 33145), (75, 33181), (76, 33190), (78, 33196), (87, 33421),

Gene: Cher_32 Start: 32091, Stop: 33251, Start Num: 22

Candidate Starts for Cher_32:

(Start: 22 @32091 has 228 MA's), (Start: 30 @32202 has 1 MA's), (34, 32247), (38, 32346), (40, 32406), (42, 32442), (44, 32466), (48, 32511), (49, 32517), (53, 32568), (57, 32607), (59, 32610), (60, 32622), (64, 32637), (66, 32661), (67, 32694), (70, 32775), (71, 32820), (72, 32868), (75, 32904), (76, 32913), (78, 32919), (87, 33144),

Gene: Chorkpop_33 Start: 32090, Stop: 33250, Start Num: 22

Candidate Starts for Chorkpop_33:

(Start: 22 @32090 has 228 MA's), (Start: 30 @32201 has 1 MA's), (34, 32246), (38, 32345), (40, 32405), (42, 32441), (44, 32465), (48, 32510), (49, 32516), (53, 32567), (57, 32606), (59, 32609), (60, 32621), (66, 32660), (67, 32693), (70, 32774), (71, 32819), (72, 32867), (75, 32903), (76, 32912), (78, 32918), (87, 33143),

Gene: Chunky_33 Start: 32488, Stop: 33537, Start Num: 30

Candidate Starts for Chunky_33:

(Start: 22 @32377 has 228 MA's), (Start: 30 @32488 has 1 MA's), (34, 32533), (38, 32632), (40, 32692), (42, 32728), (44, 32752), (48, 32797), (49, 32803), (53, 32854), (57, 32893), (59, 32896), (60, 32908), (64, 32923), (66, 32947), (67, 32980), (70, 33061), (71, 33106), (72, 33154), (75, 33190), (76, 33199), (78, 33205), (87, 33430),

Gene: Chute_32 Start: 32415, Stop: 33575, Start Num: 22

Candidate Starts for Chute_32:

(Start: 22 @32415 has 228 MA's), (Start: 30 @32526 has 1 MA's), (34, 32571), (38, 32670), (40, 32730), (42, 32766), (44, 32790), (48, 32835), (49, 32841), (53, 32892), (57, 32931), (59, 32934), (60, 32946), (66, 32985), (67, 33018), (70, 33099), (71, 33144), (72, 33192), (75, 33228), (76, 33237), (78, 33243), (87, 33468),

Gene: Colbert_33 Start: 32430, Stop: 33590, Start Num: 22

Candidate Starts for Colbert_33:

(Start: 22 @32430 has 228 MA's), (Start: 30 @32541 has 1 MA's), (34, 32586), (38, 32685), (40, 32745), (42, 32781), (44, 32805), (48, 32850), (49, 32856), (53, 32907), (57, 32946), (59, 32949), (60, 32961), (66, 33000), (67, 33033), (70, 33114), (71, 33159), (72, 33207), (75, 33243), (76, 33252), (78, 33258), (87, 33483),

Gene: Coletti_33 Start: 32415, Stop: 33575, Start Num: 22

Candidate Starts for Coletti_33:

(Start: 22 @32415 has 228 MA's), (Start: 30 @32526 has 1 MA's), (34, 32571), (38, 32670), (40, 32730), (42, 32766), (44, 32790), (48, 32835), (49, 32841), (53, 32892), (57, 32931), (59, 32934), (60, 32946), (66, 32985), (67, 33018), (70, 33099), (71, 33144), (72, 33192), (75, 33228), (76, 33237), (78, 33243), (87, 33468),

Gene: Cornobble_32 Start: 31929, Stop: 33089, Start Num: 22

Candidate Starts for Cornobble_32:

(Start: 22 @31929 has 228 MA's), (Start: 30 @32040 has 1 MA's), (34, 32085), (40, 32244), (42, 32280), (44, 32304), (48, 32349), (49, 32355), (53, 32406), (57, 32445), (59, 32448), (60, 32460), (66, 32499), (67, 32532), (70, 32613), (71, 32658), (72, 32706), (75, 32742), (76, 32751), (78, 32757), (87, 32982),

Gene: Crownjwl_33 Start: 32145, Stop: 33305, Start Num: 22

Candidate Starts for Crownjwl_33:

(Start: 22 @32145 has 228 MA's), (Start: 30 @32256 has 1 MA's), (34, 32301), (38, 32400), (40, 32460), (42, 32496), (44, 32520), (48, 32565), (49, 32571), (53, 32622), (57, 32661), (59, 32664), (60, 32676), (64, 32691), (66, 32715), (67, 32748), (70, 32829), (71, 32874), (72, 32922), (75, 32958), (76, 32967), (78, 32973), (87, 33198),

Gene: DaddyDaniels_33 Start: 32063, Stop: 33223, Start Num: 22

Candidate Starts for DaddyDaniels_33:

(Start: 22 @32063 has 228 MA's), (Start: 30 @32174 has 1 MA's), (34, 32219), (38, 32318), (40, 32378), (42, 32414), (44, 32438), (48, 32483), (49, 32489), (53, 32540), (57, 32579), (59, 32582), (60, 32594), (64, 32609), (66, 32633), (67, 32666), (70, 32747), (72, 32840), (75, 32876), (76, 32885), (78, 32891), (87, 33116),

Gene: Daegal_28 Start: 23665, Stop: 24903, Start Num: 19

Candidate Starts for Daegal_28:

(5, 23053), (6, 23119), (9, 23209), (10, 23212), (13, 23362), (14, 23449), (15, 23452), (17, 23590), (Start: 19 @23665 has 22 MA's), (25, 23761), (27, 23788), (28, 23794), (31, 23833), (32, 23842), (35, 23887), (36, 23899), (37, 23938), (39, 23995), (43, 24061), (45, 24100), (50, 24133), (51, 24154), (52, 24160), (54, 24196), (55, 24208), (56, 24211), (61, 24259), (62, 24265), (63, 24268), (65, 24277), (70, 24415), (72, 24508), (77, 24565), (79, 24571), (81, 24655), (82, 24670), (83, 24673), (84, 24739), (85, 24772),

Gene: Daffy_33 Start: 32094, Stop: 33254, Start Num: 22

Candidate Starts for Daffy_33:

(Start: 22 @32094 has 228 MA's), (Start: 30 @32205 has 1 MA's), (34, 32250), (38, 32349), (40, 32409), (42, 32445), (44, 32469), (48, 32514), (49, 32520), (53, 32571), (57, 32610), (59, 32613), (60,

32625), (66, 32664), (67, 32697), (70, 32778), (71, 32823), (72, 32871), (75, 32907), (76, 32916), (78, 32922), (87, 33147),

Gene: Daka_33 Start: 32368, Stop: 33528, Start Num: 22

Candidate Starts for Daka_33:

(Start: 22 @32368 has 228 MA's), (Start: 30 @32479 has 1 MA's), (34, 32524), (40, 32683), (42, 32719), (44, 32743), (48, 32788), (49, 32794), (53, 32845), (57, 32884), (59, 32887), (60, 32899), (66, 32938), (67, 32971), (70, 33052), (71, 33097), (72, 33145), (75, 33181), (76, 33190), (78, 33196), (87, 33421),

Gene: Dati_33 Start: 32088, Stop: 33248, Start Num: 22

Candidate Starts for Dati_33:

(Start: 22 @32088 has 228 MA's), (Start: 30 @32199 has 1 MA's), (34, 32244), (38, 32343), (40, 32403), (42, 32439), (44, 32463), (48, 32508), (49, 32514), (53, 32565), (57, 32604), (59, 32607), (60, 32619), (66, 32658), (67, 32691), (70, 32772), (72, 32865), (75, 32901), (76, 32910), (78, 32916), (87, 33141),

Gene: DeepSoil15_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for DeepSoil15_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: DelRivs_32 Start: 32089, Stop: 33249, Start Num: 22

Candidate Starts for DelRivs_32:

(Start: 22 @32089 has 228 MA's), (Start: 30 @32200 has 1 MA's), (34, 32245), (38, 32344), (40, 32404), (42, 32440), (44, 32464), (48, 32509), (49, 32515), (53, 32566), (57, 32605), (59, 32608), (60, 32620), (66, 32659), (67, 32692), (70, 32773), (71, 32818), (72, 32866), (75, 32902), (76, 32911), (78, 32917), (87, 33142),

Gene: Dewey_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Dewey_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: Dice_32 Start: 32068, Stop: 33228, Start Num: 22

Candidate Starts for Dice_32:

(Start: 22 @32068 has 228 MA's), (Start: 30 @32179 has 1 MA's), (34, 32224), (38, 32323), (40, 32383), (42, 32419), (44, 32443), (48, 32488), (49, 32494), (53, 32545), (57, 32584), (59, 32587), (60, 32599), (64, 32614), (66, 32638), (67, 32671), (70, 32752), (71, 32797), (72, 32845), (75, 32881), (76, 32890), (78, 32896), (87, 33121),

Gene: Dingo_33 Start: 32351, Stop: 33511, Start Num: 22

Candidate Starts for Dingo_33:

(Start: 22 @32351 has 228 MA's), (Start: 30 @32462 has 1 MA's), (34, 32507), (38, 32606), (40, 32666), (42, 32702), (44, 32726), (48, 32771), (49, 32777), (53, 32828), (57, 32867), (59, 32870), (60,

32882), (64, 32897), (66, 32921), (67, 32954), (70, 33035), (71, 33080), (72, 33128), (75, 33164), (76, 33173), (78, 33179), (87, 33404),

Gene: Dione_32 Start: 32073, Stop: 33233, Start Num: 22

Candidate Starts for Dione_32:

(Start: 22 @32073 has 228 MA's), (Start: 30 @32184 has 1 MA's), (34, 32229), (38, 32328), (40, 32388), (42, 32424), (44, 32448), (48, 32493), (49, 32499), (53, 32550), (57, 32589), (59, 32592), (60, 32604), (64, 32619), (66, 32643), (67, 32676), (70, 32757), (71, 32802), (72, 32850), (75, 32886), (76, 32895), (78, 32901), (87, 33126),

Gene: DirtJuice_33 Start: 32357, Stop: 33517, Start Num: 22

Candidate Starts for DirtJuice_33:

(Start: 22 @32357 has 228 MA's), (Start: 30 @32468 has 1 MA's), (34, 32513), (38, 32612), (40, 32672), (42, 32708), (44, 32732), (48, 32777), (49, 32783), (53, 32834), (57, 32873), (59, 32876), (60, 32888), (64, 32903), (66, 32927), (67, 32960), (70, 33041), (71, 33086), (72, 33134), (75, 33170), (76, 33179), (78, 33185), (87, 33410),

Gene: Doddsville_33 Start: 32087, Stop: 33247, Start Num: 22

Candidate Starts for Doddsville_33:

(Start: 22 @32087 has 228 MA's), (Start: 30 @32198 has 1 MA's), (34, 32243), (38, 32342), (40, 32402), (42, 32438), (44, 32462), (48, 32507), (49, 32513), (53, 32564), (57, 32603), (59, 32606), (60, 32618), (66, 32657), (67, 32690), (70, 32771), (72, 32864), (75, 32900), (76, 32909), (78, 32915), (87, 33140),

Gene: DoesntMatter_33 Start: 32360, Stop: 33520, Start Num: 22

Candidate Starts for DoesntMatter_33:

(Start: 22 @32360 has 228 MA's), (Start: 30 @32471 has 1 MA's), (34, 32516), (38, 32615), (40, 32675), (42, 32711), (44, 32735), (48, 32780), (49, 32786), (53, 32837), (57, 32876), (59, 32879), (60, 32891), (66, 32930), (67, 32963), (70, 33044), (71, 33089), (72, 33137), (75, 33173), (76, 33182), (78, 33188), (87, 33413),

Gene: DolOn_34 Start: 32597, Stop: 33757, Start Num: 22

Candidate Starts for DolOn_34:

(Start: 22 @32597 has 228 MA's), (Start: 30 @32708 has 1 MA's), (34, 32753), (38, 32852), (40, 32912), (42, 32948), (44, 32972), (48, 33017), (49, 33023), (53, 33074), (57, 33113), (59, 33116), (60, 33128), (66, 33167), (67, 33200), (70, 33281), (71, 33326), (72, 33374), (75, 33410), (76, 33419), (78, 33425), (87, 33650),

Gene: DonSanchon_32 Start: 32067, Stop: 33227, Start Num: 22

Candidate Starts for DonSanchon_32:

(Start: 22 @32067 has 228 MA's), (Start: 30 @32178 has 1 MA's), (34, 32223), (38, 32322), (40, 32382), (42, 32418), (44, 32442), (48, 32487), (49, 32493), (53, 32544), (57, 32583), (59, 32586), (60, 32598), (66, 32637), (67, 32670), (70, 32751), (71, 32796), (72, 32844), (75, 32880), (76, 32889), (78, 32895), (87, 33120),

Gene: DuchessDung_31 Start: 31224, Stop: 32384, Start Num: 22

Candidate Starts for DuchessDung_31:

(Start: 22 @31224 has 228 MA's), (Start: 30 @31335 has 1 MA's), (34, 31380), (38, 31479), (40, 31539), (42, 31575), (44, 31599), (48, 31644), (49, 31650), (53, 31701), (57, 31740), (59, 31743), (60, 31755), (66, 31794), (67, 31827), (70, 31908), (72, 32001), (75, 32037), (76, 32046), (78, 32052), (87, 32277),

Gene: Duggie_32 Start: 32089, Stop: 33249, Start Num: 22

Candidate Starts for Duggie_32:

(Start: 22 @32089 has 228 MA's), (Start: 30 @32200 has 1 MA's), (34, 32245), (38, 32344), (40, 32404), (42, 32440), (44, 32464), (48, 32509), (49, 32515), (53, 32566), (57, 32605), (59, 32608), (60, 32620), (64, 32635), (66, 32659), (67, 32692), (70, 32773), (71, 32818), (72, 32866), (75, 32902), (76, 32911), (78, 32917), (87, 33142),

Gene: Ein37_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Ein37_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: EmpTee_33 Start: 32367, Stop: 33527, Start Num: 22

Candidate Starts for EmpTee_33:

(Start: 22 @32367 has 228 MA's), (Start: 30 @32478 has 1 MA's), (34, 32523), (38, 32622), (40, 32682), (42, 32718), (44, 32742), (48, 32787), (49, 32793), (53, 32844), (57, 32883), (59, 32886), (60, 32898), (66, 32937), (67, 32970), (70, 33051), (71, 33096), (72, 33144), (75, 33180), (76, 33189), (78, 33195), (87, 33420),

Gene: Eremos_33 Start: 32366, Stop: 33526, Start Num: 22

Candidate Starts for Eremos_33:

(Start: 22 @32366 has 228 MA's), (34, 32522), (38, 32621), (40, 32681), (42, 32717), (44, 32741), (48, 32786), (49, 32792), (53, 32843), (57, 32882), (59, 32885), (60, 32897), (66, 32936), (67, 32969), (70, 33050), (71, 33095), (72, 33143), (75, 33179), (76, 33188), (78, 33194), (87, 33419),

Gene: Etaye_33 Start: 32357, Stop: 33517, Start Num: 22

Candidate Starts for Etaye_33:

(Start: 22 @32357 has 228 MA's), (Start: 30 @32468 has 1 MA's), (34, 32513), (38, 32612), (40, 32672), (42, 32708), (44, 32732), (48, 32777), (49, 32783), (53, 32834), (57, 32873), (59, 32876), (60, 32888), (64, 32903), (66, 32927), (67, 32960), (70, 33041), (71, 33086), (72, 33134), (75, 33170), (76, 33179), (78, 33185), (87, 33410),

Gene: Evanesce_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Evanesce_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: Flake_34 Start: 32422, Stop: 33582, Start Num: 22

Candidate Starts for Flake_34:

(Start: 22 @32422 has 228 MA's), (Start: 30 @32533 has 1 MA's), (34, 32578), (38, 32677), (40, 32737), (42, 32773), (44, 32797), (48, 32842), (49, 32848), (53, 32899), (57, 32938), (59, 32941), (60, 32953), (66, 32992), (67, 33025), (70, 33106), (71, 33151), (72, 33199), (75, 33235), (76, 33244), (78, 33250), (87, 33475),

Gene: FleetyMac_32 Start: 32375, Stop: 33535, Start Num: 22

Candidate Starts for FleetyMac_32:

(Start: 22 @32375 has 228 MA's), (Start: 30 @32486 has 1 MA's), (34, 32531), (38, 32630), (40, 32690), (42, 32726), (44, 32750), (48, 32795), (49, 32801), (53, 32852), (57, 32891), (59, 32894), (60, 32906), (66, 32945), (67, 32978), (70, 33059), (71, 33104), (72, 33152), (75, 33188), (76, 33197), (78, 33203), (87, 33428),

Gene: FluffyNinja_33 Start: 32373, Stop: 33533, Start Num: 22

Candidate Starts for FluffyNinja_33:

(Start: 22 @32373 has 228 MA's), (Start: 30 @32484 has 1 MA's), (34, 32529), (38, 32628), (40, 32688), (42, 32724), (44, 32748), (48, 32793), (49, 32799), (53, 32850), (57, 32889), (59, 32892), (60, 32904), (64, 32919), (66, 32943), (67, 32976), (70, 33057), (71, 33102), (72, 33150), (75, 33186), (76, 33195), (78, 33201), (87, 33426),

Gene: Forge_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Forge_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: Fozzie_32 Start: 32389, Stop: 33549, Start Num: 22

Candidate Starts for Fozzie_32:

(Start: 22 @32389 has 228 MA's), (Start: 30 @32500 has 1 MA's), (34, 32545), (38, 32644), (40, 32704), (42, 32740), (44, 32764), (48, 32809), (49, 32815), (53, 32866), (57, 32905), (59, 32908), (60, 32920), (64, 32935), (66, 32959), (67, 32992), (70, 33073), (71, 33118), (72, 33166), (75, 33202), (76, 33211), (78, 33217), (87, 33442),

Gene: Frankicide_33 Start: 32385, Stop: 33545, Start Num: 22

Candidate Starts for Frankicide_33:

(Start: 22 @32385 has 228 MA's), (Start: 30 @32496 has 1 MA's), (34, 32541), (38, 32640), (40, 32700), (42, 32736), (44, 32760), (48, 32805), (49, 32811), (53, 32862), (57, 32901), (59, 32904), (60, 32916), (64, 32931), (66, 32955), (67, 32988), (70, 33069), (71, 33114), (72, 33162), (75, 33198), (76, 33207), (78, 33213), (87, 33438),

Gene: FremontTroll_33 Start: 32127, Stop: 33287, Start Num: 22

Candidate Starts for FremontTroll_33:

(Start: 22 @32127 has 228 MA's), (Start: 30 @32238 has 1 MA's), (34, 32283), (38, 32382), (40, 32442), (42, 32478), (44, 32502), (48, 32547), (49, 32553), (53, 32604), (57, 32643), (59, 32646), (60, 32658), (64, 32673), (66, 32697), (67, 32730), (70, 32811), (71, 32856), (72, 32904), (75, 32940), (76, 32949), (78, 32955), (87, 33180),

Gene: FriarPreacher_33 Start: 32391, Stop: 33551, Start Num: 22

Candidate Starts for FriarPreacher_33:

(Start: 22 @32391 has 228 MA's), (Start: 30 @32502 has 1 MA's), (34, 32547), (38, 32646), (40, 32706), (42, 32742), (44, 32766), (48, 32811), (49, 32817), (53, 32868), (57, 32907), (59, 32910), (60, 32922), (64, 32937), (66, 32961), (67, 32994), (70, 33075), (71, 33120), (72, 33168), (75, 33204), (76, 33213), (78, 33219), (87, 33444),

Gene: Fringe_33 Start: 32356, Stop: 33516, Start Num: 22

Candidate Starts for Fringe_33:

(Start: 22 @32356 has 228 MA's), (Start: 30 @32467 has 1 MA's), (34, 32512), (38, 32611), (40, 32671), (42, 32707), (44, 32731), (48, 32776), (49, 32782), (53, 32833), (57, 32872), (59, 32875), (60,

32887), (66, 32926), (67, 32959), (70, 33040), (71, 33085), (72, 33133), (75, 33169), (76, 33178), (78, 33184), (87, 33409),

Gene: FugateOSU_32 Start: 32069, Stop: 33229, Start Num: 22

Candidate Starts for FugateOSU_32:

(Start: 22 @32069 has 228 MA's), (Start: 30 @32180 has 1 MA's), (34, 32225), (38, 32324), (40, 32384), (42, 32420), (44, 32444), (48, 32489), (49, 32495), (53, 32546), (57, 32585), (59, 32588), (60, 32600), (64, 32615), (66, 32639), (67, 32672), (70, 32753), (71, 32798), (72, 32846), (75, 32882), (76, 32891), (78, 32897), (87, 33122),

Gene: Gancho_26 Start: 23095, Stop: 24333, Start Num: 19

Candidate Starts for Gancho_26:

(5, 22483), (6, 22549), (10, 22642), (13, 22792), (14, 22879), (15, 22882), (17, 23020), (Start: 19 @23095 has 22 MA's), (25, 23191), (27, 23218), (28, 23224), (31, 23263), (32, 23272), (35, 23317), (36, 23329), (37, 23368), (39, 23425), (41, 23476), (43, 23491), (45, 23530), (50, 23563), (51, 23584), (52, 23590), (54, 23626), (55, 23638), (56, 23641), (61, 23689), (62, 23695), (63, 23698), (65, 23707), (70, 23845), (72, 23938), (77, 23995), (79, 24001), (81, 24085), (82, 24100), (83, 24103), (84, 24169), (85, 24202),

Gene: Gareth_32 Start: 32072, Stop: 33232, Start Num: 22

Candidate Starts for Gareth_32:

(Start: 22 @32072 has 228 MA's), (Start: 30 @32183 has 1 MA's), (34, 32228), (38, 32327), (40, 32387), (42, 32423), (44, 32447), (48, 32492), (49, 32498), (53, 32549), (57, 32588), (59, 32591), (60, 32603), (64, 32618), (66, 32642), (67, 32675), (70, 32756), (71, 32801), (72, 32849), (75, 32885), (76, 32894), (78, 32900), (87, 33125),

Gene: Giles_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Giles_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: Giraffe_33 Start: 32075, Stop: 33235, Start Num: 22

Candidate Starts for Giraffe_33:

(Start: 22 @32075 has 228 MA's), (Start: 30 @32186 has 1 MA's), (34, 32231), (38, 32330), (40, 32390), (42, 32426), (44, 32450), (48, 32495), (49, 32501), (53, 32552), (57, 32591), (59, 32594), (60, 32606), (64, 32621), (66, 32645), (67, 32678), (70, 32759), (71, 32804), (72, 32852), (75, 32888), (76, 32897), (78, 32903), (87, 33128),

Gene: Gophee_33 Start: 32358, Stop: 33518, Start Num: 22

Candidate Starts for Gophee_33:

(Start: 22 @32358 has 228 MA's), (Start: 30 @32469 has 1 MA's), (34, 32514), (38, 32613), (40, 32673), (42, 32709), (44, 32733), (48, 32778), (49, 32784), (53, 32835), (57, 32874), (59, 32877), (60, 32889), (66, 32928), (67, 32961), (70, 33042), (71, 33087), (72, 33135), (75, 33171), (76, 33180), (78, 33186), (87, 33411),

Gene: Grand2040_32 Start: 32090, Stop: 33250, Start Num: 22

Candidate Starts for Grand2040_32:

(Start: 22 @32090 has 228 MA's), (Start: 30 @32201 has 1 MA's), (34, 32246), (38, 32345), (40, 32405), (42, 32441), (44, 32465), (48, 32510), (49, 32516), (53, 32567), (57, 32606), (59, 32609), (60,

32621), (64, 32636), (66, 32660), (67, 32693), (70, 32774), (71, 32819), (72, 32867), (75, 32903), (76, 32912), (78, 32918), (87, 33143),

Gene: Gravaillia_27 Start: 23101, Stop: 24339, Start Num: 19

Candidate Starts for Gravaillia_27:

(5, 22489), (6, 22555), (9, 22645), (10, 22648), (13, 22798), (14, 22885), (15, 22888), (17, 23026), (Start: 19 @23101 has 22 MA's), (25, 23197), (27, 23224), (28, 23230), (31, 23269), (32, 23278), (35, 23323), (36, 23335), (37, 23374), (39, 23431), (41, 23482), (43, 23497), (45, 23536), (50, 23569), (51, 23590), (52, 23596), (54, 23632), (55, 23644), (56, 23647), (61, 23695), (62, 23701), (63, 23704), (65, 23713), (70, 23851), (72, 23944), (77, 24001), (79, 24007), (81, 24091), (82, 24106), (83, 24109), (84, 24175), (85, 24208),

Gene: GreenChile_33 Start: 32366, Stop: 33526, Start Num: 22

Candidate Starts for GreenChile_33:

(Start: 22 @32366 has 228 MA's), (Start: 30 @32477 has 1 MA's), (34, 32522), (38, 32621), (40, 32681), (42, 32717), (44, 32741), (48, 32786), (49, 32792), (53, 32843), (57, 32882), (59, 32885), (60, 32897), (64, 32912), (66, 32936), (67, 32969), (70, 33050), (71, 33095), (72, 33143), (75, 33179), (76, 33188), (78, 33194), (87, 33419),

Gene: Gwennie1_33 Start: 32439, Stop: 33599, Start Num: 22

Candidate Starts for Gwennie1_33:

(Start: 22 @32439 has 228 MA's), (Start: 30 @32550 has 1 MA's), (34, 32595), (38, 32694), (40, 32754), (42, 32790), (44, 32814), (48, 32859), (49, 32865), (53, 32916), (57, 32955), (59, 32958), (60, 32970), (66, 33009), (67, 33042), (70, 33123), (71, 33168), (72, 33216), (75, 33252), (76, 33261), (78, 33267), (87, 33492),

Gene: Gwilliam_33 Start: 32370, Stop: 33530, Start Num: 22

Candidate Starts for Gwilliam_33:

(Start: 22 @32370 has 228 MA's), (Start: 30 @32481 has 1 MA's), (34, 32526), (38, 32625), (40, 32685), (42, 32721), (44, 32745), (48, 32790), (49, 32796), (53, 32847), (57, 32886), (59, 32889), (60, 32901), (64, 32916), (66, 32940), (67, 32973), (70, 33054), (71, 33099), (72, 33147), (75, 33183), (76, 33192), (78, 33198), (87, 33423),

Gene: Gyarad_0033 Start: 32372, Stop: 33532, Start Num: 22

Candidate Starts for Gyarad_0033:

(Start: 22 @32372 has 228 MA's), (Start: 30 @32483 has 1 MA's), (34, 32528), (38, 32627), (40, 32687), (42, 32723), (44, 32747), (48, 32792), (49, 32798), (53, 32849), (57, 32888), (59, 32891), (60, 32903), (64, 32918), (66, 32942), (67, 32975), (70, 33056), (71, 33101), (72, 33149), (75, 33185), (76, 33194), (78, 33200), (87, 33425),

Gene: HH92_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for HH92_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: HSavage_33 Start: 32376, Stop: 33536, Start Num: 22

Candidate Starts for HSavage_33:

(Start: 22 @32376 has 228 MA's), (Start: 30 @32487 has 1 MA's), (34, 32532), (38, 32631), (40, 32691), (42, 32727), (44, 32751), (48, 32796), (49, 32802), (53, 32853), (57, 32892), (59, 32895), (60,

32907), (64, 32922), (66, 32946), (67, 32979), (70, 33060), (71, 33105), (72, 33153), (75, 33189), (76, 33198), (78, 33204), (87, 33429),

Gene: Hadrien_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Hadrien_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: Hail_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Hail_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: Haimas_33 Start: 32367, Stop: 33527, Start Num: 22

Candidate Starts for Haimas_33:

(Start: 22 @32367 has 228 MA's), (Start: 30 @32478 has 1 MA's), (34, 32523), (38, 32622), (40, 32682), (42, 32718), (44, 32742), (48, 32787), (49, 32793), (53, 32844), (57, 32883), (59, 32886), (60, 32898), (64, 32913), (66, 32937), (67, 32970), (70, 33051), (71, 33096), (72, 33144), (75, 33180), (76, 33189), (78, 33195), (87, 33420),

Gene: Haleema_32 Start: 32090, Stop: 33250, Start Num: 22

Candidate Starts for Haleema_32:

(Start: 22 @32090 has 228 MA's), (Start: 30 @32201 has 1 MA's), (34, 32246), (38, 32345), (40, 32405), (42, 32441), (44, 32465), (48, 32510), (49, 32516), (53, 32567), (57, 32606), (59, 32609), (60, 32621), (64, 32636), (66, 32660), (67, 32693), (70, 32774), (71, 32819), (72, 32867), (75, 32903), (76, 32912), (78, 32918), (87, 33143),

Gene: Hamish_33 Start: 32359, Stop: 33519, Start Num: 22

Candidate Starts for Hamish_33:

(Start: 22 @32359 has 228 MA's), (Start: 30 @32470 has 1 MA's), (34, 32515), (38, 32614), (40, 32674), (42, 32710), (44, 32734), (48, 32779), (49, 32785), (53, 32836), (57, 32875), (59, 32878), (60, 32890), (64, 32905), (66, 32929), (67, 32962), (70, 33043), (71, 33088), (72, 33136), (75, 33172), (76, 33181), (78, 33187), (87, 33412),

Gene: Happabalu_33 Start: 32088, Stop: 33248, Start Num: 22

Candidate Starts for Happabalu_33:

(Start: 22 @32088 has 228 MA's), (Start: 30 @32199 has 1 MA's), (34, 32244), (38, 32343), (40, 32403), (42, 32439), (44, 32463), (48, 32508), (49, 32514), (53, 32565), (57, 32604), (59, 32607), (60, 32619), (66, 32658), (67, 32691), (70, 32772), (71, 32817), (72, 32865), (75, 32901), (76, 32910), (78, 32916), (87, 33141),

Gene: Hartsy_33 Start: 32410, Stop: 33570, Start Num: 22

Candidate Starts for Hartsy_33:

(Start: 22 @32410 has 228 MA's), (Start: 30 @32521 has 1 MA's), (34, 32566), (38, 32665), (40, 32725), (42, 32761), (44, 32785), (48, 32830), (49, 32836), (53, 32887), (57, 32926), (59, 32929), (60,

32941), (66, 32980), (67, 33013), (70, 33094), (72, 33187), (75, 33223), (76, 33232), (78, 33238), (87, 33463),

Gene: Harvey_33 Start: 32385, Stop: 33545, Start Num: 22

Candidate Starts for Harvey_33:

(Start: 22 @32385 has 228 MA's), (Start: 30 @32496 has 1 MA's), (34, 32541), (38, 32640), (40, 32700), (42, 32736), (44, 32760), (48, 32805), (49, 32811), (53, 32862), (57, 32901), (59, 32904), (60, 32916), (66, 32955), (67, 32988), (70, 33069), (71, 33114), (72, 33162), (75, 33198), (76, 33207), (78, 33213), (87, 33438),

Gene: Held_33 Start: 32074, Stop: 33234, Start Num: 22

Candidate Starts for Held_33:

(Start: 22 @32074 has 228 MA's), (Start: 30 @32185 has 1 MA's), (34, 32230), (38, 32329), (40, 32389), (42, 32425), (44, 32449), (48, 32494), (49, 32500), (53, 32551), (57, 32590), (59, 32593), (60, 32605), (64, 32620), (66, 32644), (67, 32677), (70, 32758), (71, 32803), (72, 32851), (75, 32887), (76, 32896), (78, 32902), (87, 33127),

Gene: Hertubise_33 Start: 32381, Stop: 33541, Start Num: 22

Candidate Starts for Hertubise_33:

(Start: 22 @32381 has 228 MA's), (Start: 30 @32492 has 1 MA's), (34, 32537), (38, 32636), (40, 32696), (42, 32732), (44, 32756), (48, 32801), (49, 32807), (53, 32858), (57, 32897), (59, 32900), (60, 32912), (64, 32927), (66, 32951), (67, 32984), (70, 33065), (71, 33110), (72, 33158), (75, 33194), (76, 33203), (78, 33209), (87, 33434),

Gene: Hetaeria_33 Start: 32383, Stop: 33543, Start Num: 22

Candidate Starts for Hetaeria_33:

(Start: 22 @32383 has 228 MA's), (Start: 30 @32494 has 1 MA's), (34, 32539), (38, 32638), (40, 32698), (42, 32734), (44, 32758), (48, 32803), (49, 32809), (53, 32860), (57, 32899), (59, 32902), (60, 32914), (66, 32953), (67, 32986), (70, 33067), (71, 33112), (72, 33160), (75, 33196), (76, 33205), (78, 33211), (87, 33436),

Gene: Hocus_32 Start: 32082, Stop: 33242, Start Num: 22

Candidate Starts for Hocus_32:

(Start: 22 @32082 has 228 MA's), (Start: 30 @32193 has 1 MA's), (34, 32238), (38, 32337), (40, 32397), (42, 32433), (44, 32457), (48, 32502), (49, 32508), (53, 32559), (57, 32598), (59, 32601), (60, 32613), (66, 32652), (67, 32685), (70, 32766), (71, 32811), (72, 32859), (75, 32895), (76, 32904), (78, 32910), (87, 33135),

Gene: Horchata_33 Start: 32361, Stop: 33521, Start Num: 22

Candidate Starts for Horchata_33:

(Start: 22 @32361 has 228 MA's), (Start: 30 @32472 has 1 MA's), (34, 32517), (38, 32616), (40, 32676), (42, 32712), (44, 32736), (48, 32781), (49, 32787), (53, 32838), (57, 32877), (59, 32880), (60, 32892), (64, 32907), (66, 32931), (67, 32964), (70, 33045), (71, 33090), (72, 33138), (75, 33174), (76, 33183), (78, 33189), (87, 33414),

Gene: Inchworm_33 Start: 32359, Stop: 33519, Start Num: 22

Candidate Starts for Inchworm_33:

(Start: 22 @32359 has 228 MA's), (Start: 30 @32470 has 1 MA's), (34, 32515), (38, 32614), (40, 32674), (42, 32710), (44, 32734), (48, 32779), (49, 32785), (53, 32836), (57, 32875), (59, 32878), (60, 32890), (64, 32905), (66, 32929), (67, 32962), (70, 33043), (71, 33088), (72, 33136), (75, 33172), (76, 33181), (78, 33187), (87, 33412),

Gene: Inverness_33 Start: 32373, Stop: 33533, Start Num: 22

Candidate Starts for Inverness_33:

(Start: 22 @32373 has 228 MA's), (Start: 30 @32484 has 1 MA's), (34, 32529), (38, 32628), (40, 32688), (42, 32724), (44, 32748), (48, 32793), (49, 32799), (53, 32850), (57, 32889), (59, 32892), (60, 32904), (64, 32919), (66, 32943), (67, 32976), (70, 33057), (71, 33102), (72, 33150), (75, 33186), (76, 33195), (78, 33201), (87, 33426),

Gene: Iridessa_33 Start: 32075, Stop: 33235, Start Num: 22

Candidate Starts for Iridessa_33:

(Start: 22 @32075 has 228 MA's), (Start: 30 @32186 has 1 MA's), (34, 32231), (38, 32330), (40, 32390), (42, 32426), (44, 32450), (48, 32495), (49, 32501), (53, 32552), (57, 32591), (59, 32594), (60, 32606), (66, 32645), (67, 32678), (70, 32759), (72, 32852), (75, 32888), (76, 32897), (78, 32903), (87, 33128),

Gene: Iridoclysis_33 Start: 32353, Stop: 33513, Start Num: 22

Candidate Starts for Iridoclysis_33:

(Start: 22 @32353 has 228 MA's), (Start: 30 @32464 has 1 MA's), (34, 32509), (38, 32608), (40, 32668), (42, 32704), (44, 32728), (48, 32773), (49, 32779), (53, 32830), (57, 32869), (59, 32872), (60, 32884), (66, 32923), (67, 32956), (70, 33037), (71, 33082), (72, 33130), (75, 33166), (76, 33175), (78, 33181), (87, 33406),

Gene: IsaacEli_33 Start: 32377, Stop: 33537, Start Num: 22

Candidate Starts for IsaacEli_33:

(Start: 22 @32377 has 228 MA's), (Start: 30 @32488 has 1 MA's), (34, 32533), (38, 32632), (40, 32692), (42, 32728), (44, 32752), (48, 32797), (49, 32803), (53, 32854), (57, 32893), (59, 32896), (60, 32908), (64, 32923), (66, 32947), (67, 32980), (70, 33061), (71, 33106), (72, 33154), (75, 33190), (76, 33199), (78, 33205), (87, 33430),

Gene: JacAttac_33 Start: 32359, Stop: 33519, Start Num: 22

Candidate Starts for JacAttac_33:

(Start: 22 @32359 has 228 MA's), (Start: 30 @32470 has 1 MA's), (34, 32515), (38, 32614), (40, 32674), (42, 32710), (44, 32734), (48, 32779), (49, 32785), (53, 32836), (57, 32875), (59, 32878), (60, 32890), (64, 32905), (66, 32929), (67, 32962), (70, 33043), (71, 33088), (72, 33136), (75, 33172), (76, 33181), (78, 33187), (87, 33412),

Gene: JakeO_32 Start: 32092, Stop: 33252, Start Num: 22

Candidate Starts for JakeO_32:

(Start: 22 @32092 has 228 MA's), (Start: 30 @32203 has 1 MA's), (34, 32248), (38, 32347), (40, 32407), (42, 32443), (44, 32467), (48, 32512), (49, 32518), (53, 32569), (57, 32608), (59, 32611), (60, 32623), (64, 32638), (66, 32662), (67, 32695), (70, 32776), (72, 32869), (75, 32905), (76, 32914), (78, 32920), (87, 33145),

Gene: JangoPhett_33 Start: 32361, Stop: 33521, Start Num: 22

Candidate Starts for JangoPhett_33:

(Start: 22 @32361 has 228 MA's), (Start: 30 @32472 has 1 MA's), (34, 32517), (38, 32616), (40, 32676), (42, 32712), (44, 32736), (48, 32781), (49, 32787), (53, 32838), (57, 32877), (59, 32880), (60, 32892), (66, 32931), (67, 32964), (70, 33045), (71, 33090), (72, 33138), (75, 33174), (76, 33183), (78, 33189), (87, 33414),

Gene: Jesabah_33 Start: 32092, Stop: 33252, Start Num: 22

Candidate Starts for Jesabah_33:

(Start: 22 @32092 has 228 MA's), (Start: 30 @32203 has 1 MA's), (34, 32248), (38, 32347), (40, 32407), (42, 32443), (44, 32467), (48, 32512), (49, 32518), (53, 32569), (57, 32608), (59, 32611), (60, 32623), (64, 32638), (66, 32662), (67, 32695), (70, 32776), (71, 32821), (72, 32869), (75, 32905), (76,

32914), (78, 32920), (87, 33145),

Gene: Jiminy_32 Start: 31927, Stop: 33087, Start Num: 22

Candidate Starts for Jiminy_32:

(Start: 22 @31927 has 228 MA's), (Start: 30 @32038 has 1 MA's), (34, 32083), (38, 32182), (40, 32242), (42, 32278), (44, 32302), (48, 32347), (49, 32353), (53, 32404), (57, 32443), (59, 32446), (60, 32458), (66, 32497), (67, 32530), (70, 32611), (72, 32704), (75, 32740), (76, 32749), (78, 32755), (87, 32980),

Gene: Jiraiya_32 Start: 32080, Stop: 33240, Start Num: 22

Candidate Starts for Jiraiya_32:

(Start: 22 @32080 has 228 MA's), (Start: 30 @32191 has 1 MA's), (34, 32236), (38, 32335), (40, 32395), (42, 32431), (44, 32455), (48, 32500), (49, 32506), (53, 32557), (57, 32596), (59, 32599), (60, 32611), (64, 32626), (66, 32650), (67, 32683), (70, 32764), (72, 32857), (75, 32893), (76, 32902), (78, 32908), (87, 33133),

Gene: KLucky39_33 Start: 32371, Stop: 33531, Start Num: 22

Candidate Starts for KLucky39_33:

(Start: 22 @32371 has 228 MA's), (Start: 30 @32482 has 1 MA's), (34, 32527), (38, 32626), (40, 32686), (42, 32722), (44, 32746), (48, 32791), (49, 32797), (53, 32848), (57, 32887), (59, 32890), (60, 32902), (64, 32917), (66, 32941), (67, 32974), (70, 33055), (71, 33100), (72, 33148), (75, 33184), (76, 33193), (78, 33199), (87, 33424),

Gene: Kailash_33 Start: 32425, Stop: 33585, Start Num: 22

Candidate Starts for Kailash_33:

(Start: 22 @32425 has 228 MA's), (Start: 30 @32536 has 1 MA's), (34, 32581), (38, 32680), (40, 32740), (42, 32776), (44, 32800), (48, 32845), (49, 32851), (53, 32902), (57, 32941), (59, 32944), (60, 32956), (66, 32995), (67, 33028), (70, 33109), (72, 33202), (75, 33238), (76, 33247), (78, 33253), (87, 33478),

Gene: Karn_32 Start: 32087, Stop: 33247, Start Num: 22

Candidate Starts for Karn_32:

(Start: 22 @32087 has 228 MA's), (Start: 30 @32198 has 1 MA's), (34, 32243), (38, 32342), (40, 32402), (42, 32438), (44, 32462), (48, 32507), (49, 32513), (53, 32564), (57, 32603), (59, 32606), (60, 32618), (66, 32657), (67, 32690), (70, 32771), (72, 32864), (75, 32900), (76, 32909), (78, 32915), (87, 33140),

Gene: Keitherie_33 Start: 32424, Stop: 33584, Start Num: 22

Candidate Starts for Keitherie_33:

(Start: 22 @32424 has 228 MA's), (Start: 30 @32535 has 1 MA's), (34, 32580), (38, 32679), (40, 32739), (42, 32775), (44, 32799), (48, 32844), (49, 32850), (53, 32901), (57, 32940), (59, 32943), (60, 32955), (66, 32994), (67, 33027), (70, 33108), (71, 33153), (72, 33201), (75, 33237), (76, 33246), (78, 33252), (87, 33477),

Gene: Kheth_33 Start: 32696, Stop: 33862, Start Num: 22

Candidate Starts for Kheth_33:

(21, 32690), (Start: 22 @32696 has 228 MA's), (23, 32735), (26, 32765), (Start: 30 @32810 has 1 MA's), (34, 32855), (38, 32954), (40, 33014), (42, 33050), (44, 33074), (48, 33119), (49, 33125), (53, 33176), (57, 33215), (59, 33218), (60, 33230), (64, 33245), (66, 33269), (67, 33302), (70, 33383), (72, 33476), (75, 33512), (76, 33521), (78, 33527), (87, 33752),

Gene: Kimbrough_33 Start: 32079, Stop: 33239, Start Num: 22

Candidate Starts for Kimbrough_33:

(Start: 22 @32079 has 228 MA's), (Start: 30 @32190 has 1 MA's), (34, 32235), (38, 32334), (40, 32394), (42, 32430), (44, 32454), (48, 32499), (49, 32505), (53, 32556), (57, 32595), (59, 32598), (60, 32610), (64, 32625), (66, 32649), (67, 32682), (70, 32763), (71, 32808), (72, 32856), (75, 32892), (76, 32901), (78, 32907), (87, 33132),

Gene: Kinbote_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Kinbote_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: KingTut_24 Start: 27748, Stop: 28908, Start Num: 22

Candidate Starts for KingTut_24:

(Start: 22 @27748 has 228 MA's), (Start: 30 @27859 has 1 MA's), (34, 27904), (38, 28003), (40, 28063), (42, 28099), (44, 28123), (48, 28168), (49, 28174), (53, 28225), (57, 28264), (59, 28267), (60, 28279), (64, 28294), (66, 28318), (67, 28351), (70, 28432), (71, 28477), (72, 28525), (75, 28561), (76, 28570), (78, 28576), (87, 28801),

Gene: KingVeVeVe_33 Start: 32352, Stop: 33512, Start Num: 22

Candidate Starts for KingVeVeVe_33:

(Start: 22 @32352 has 228 MA's), (Start: 30 @32463 has 1 MA's), (34, 32508), (38, 32607), (40, 32667), (42, 32703), (44, 32727), (48, 32772), (49, 32778), (53, 32829), (57, 32868), (59, 32871), (60, 32883), (64, 32898), (66, 32922), (67, 32955), (70, 33036), (71, 33081), (72, 33129), (75, 33165), (76, 33174), (78, 33180), (87, 33405),

Gene: KlimbOn_33 Start: 32365, Stop: 33525, Start Num: 22

Candidate Starts for KlimbOn_33:

(Start: 22 @32365 has 228 MA's), (Start: 30 @32476 has 1 MA's), (34, 32521), (38, 32620), (40, 32680), (42, 32716), (44, 32740), (48, 32785), (49, 32791), (53, 32842), (57, 32881), (59, 32884), (60, 32896), (64, 32911), (66, 32935), (67, 32968), (70, 33049), (71, 33094), (72, 33142), (75, 33178), (76, 33187), (78, 33193), (87, 33418),

Gene: Kloppinator_33 Start: 32388, Stop: 33548, Start Num: 22

Candidate Starts for Kloppinator_33:

(Start: 22 @32388 has 228 MA's), (Start: 30 @32499 has 1 MA's), (34, 32544), (38, 32643), (40, 32703), (42, 32739), (44, 32763), (48, 32808), (49, 32814), (53, 32865), (57, 32904), (59, 32907), (60, 32919), (66, 32958), (67, 32991), (70, 33072), (71, 33117), (72, 33165), (75, 33201), (76, 33210), (78, 33216), (87, 33441),

Gene: Kwadwo_32 Start: 32069, Stop: 33229, Start Num: 22

Candidate Starts for Kwadwo_32:

(Start: 22 @32069 has 228 MA's), (Start: 30 @32180 has 1 MA's), (34, 32225), (38, 32324), (40, 32384), (42, 32420), (44, 32444), (48, 32489), (49, 32495), (53, 32546), (57, 32585), (59, 32588), (60, 32600), (64, 32615), (66, 32639), (67, 32672), (70, 32753), (71, 32798), (72, 32846), (75, 32882), (76, 32891), (78, 32897), (87, 33122),

Gene: Larson_34 Start: 32482, Stop: 33642, Start Num: 22

Candidate Starts for Larson_34:

(Start: 22 @32482 has 228 MA's), (Start: 30 @32593 has 1 MA's), (34, 32638), (38, 32737), (40, 32797), (42, 32833), (44, 32857), (48, 32902), (49, 32908), (53, 32959), (57, 32998), (59, 33001), (60,

33013), (66, 33052), (67, 33085), (70, 33166), (71, 33211), (72, 33259), (75, 33295), (76, 33304), (78, 33310), (87, 33535),

Gene: LasagnaCat_33 Start: 32371, Stop: 33531, Start Num: 22

Candidate Starts for LasagnaCat_33:

(Start: 22 @32371 has 228 MA's), (Start: 30 @32482 has 1 MA's), (34, 32527), (38, 32626), (40, 32686), (42, 32722), (44, 32746), (48, 32791), (49, 32797), (53, 32848), (57, 32887), (59, 32890), (60, 32902), (66, 32941), (67, 32974), (70, 33055), (72, 33148), (75, 33184), (76, 33193), (78, 33199), (87, 33424),

Gene: Lasso_33 Start: 32344, Stop: 33504, Start Num: 22

Candidate Starts for Lasso_33:

(Start: 22 @32344 has 228 MA's), (Start: 30 @32455 has 1 MA's), (34, 32500), (38, 32599), (40, 32659), (42, 32695), (44, 32719), (48, 32764), (49, 32770), (53, 32821), (57, 32860), (59, 32863), (60, 32875), (64, 32890), (66, 32914), (67, 32947), (70, 33028), (71, 33073), (72, 33121), (75, 33157), (76, 33166), (78, 33172), (87, 33397),

Gene: LeeLot_33 Start: 32375, Stop: 33535, Start Num: 22

Candidate Starts for LeeLot_33:

(Start: 22 @32375 has 228 MA's), (Start: 30 @32486 has 1 MA's), (34, 32531), (38, 32630), (40, 32690), (42, 32726), (44, 32750), (48, 32795), (49, 32801), (53, 32852), (57, 32891), (59, 32894), (60, 32906), (66, 32945), (67, 32978), (70, 33059), (71, 33104), (72, 33152), (75, 33188), (76, 33197), (78, 33203), (87, 33428),

Gene: Lego3393_33 Start: 32380, Stop: 33540, Start Num: 22

Candidate Starts for Lego3393_33:

(Start: 22 @32380 has 228 MA's), (Start: 30 @32491 has 1 MA's), (34, 32536), (38, 32635), (40, 32695), (42, 32731), (44, 32755), (48, 32800), (49, 32806), (53, 32857), (57, 32896), (59, 32899), (60, 32911), (64, 32926), (66, 32950), (67, 32983), (70, 33064), (71, 33109), (72, 33157), (75, 33193), (76, 33202), (78, 33208), (87, 33433),

Gene: Legolas_32 Start: 32085, Stop: 33245, Start Num: 22

Candidate Starts for Legolas_32:

(Start: 22 @32085 has 228 MA's), (Start: 30 @32196 has 1 MA's), (34, 32241), (38, 32340), (40, 32400), (42, 32436), (44, 32460), (48, 32505), (49, 32511), (53, 32562), (57, 32601), (59, 32604), (60, 32616), (66, 32655), (67, 32688), (70, 32769), (71, 32814), (72, 32862), (75, 32898), (76, 32907), (78, 32913), (87, 33138),

Gene: Lehmann_33 Start: 31908, Stop: 33068, Start Num: 22

Candidate Starts for Lehmann_33:

(Start: 22 @31908 has 228 MA's), (Start: 30 @32019 has 1 MA's), (34, 32064), (38, 32163), (40, 32223), (42, 32259), (44, 32283), (48, 32328), (49, 32334), (53, 32385), (57, 32424), (59, 32427), (60, 32439), (66, 32478), (67, 32511), (70, 32592), (72, 32685), (75, 32721), (76, 32730), (78, 32736), (87, 32961),

Gene: LeiMonet_33 Start: 32076, Stop: 33236, Start Num: 22

Candidate Starts for LeiMonet_33:

(Start: 22 @32076 has 228 MA's), (Start: 30 @32187 has 1 MA's), (34, 32232), (38, 32331), (40, 32391), (42, 32427), (44, 32451), (48, 32496), (49, 32502), (53, 32553), (57, 32592), (59, 32595), (60, 32607), (64, 32622), (66, 32646), (67, 32679), (70, 32760), (71, 32805), (72, 32853), (75, 32889), (76, 32898), (78, 32904), (87, 33129),

Gene: LemonSlice_33 Start: 32072, Stop: 33232, Start Num: 22

Candidate Starts for LemonSlice_33:

(Start: 22 @32072 has 228 MA's), (Start: 30 @32183 has 1 MA's), (34, 32228), (38, 32327), (40, 32387), (42, 32423), (44, 32447), (48, 32492), (49, 32498), (53, 32549), (57, 32588), (59, 32591), (60, 32603), (64, 32618), (66, 32642), (67, 32675), (70, 32756), (71, 32801), (72, 32849), (75, 32885), (76, 32894), (78, 32900), (87, 33125),

Gene: LilHazelNut_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for LilHazelNut_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: Lopsy_32 Start: 31927, Stop: 33087, Start Num: 22

Candidate Starts for Lopsy_32:

(Start: 22 @31927 has 228 MA's), (Start: 30 @32038 has 1 MA's), (34, 32083), (38, 32182), (40, 32242), (42, 32278), (44, 32302), (48, 32347), (49, 32353), (53, 32404), (57, 32443), (59, 32446), (60, 32458), (66, 32497), (67, 32530), (70, 32611), (71, 32656), (72, 32704), (75, 32740), (76, 32749), (78, 32755), (87, 32980),

Gene: LostAndPhound_32 Start: 32078, Stop: 33238, Start Num: 22

Candidate Starts for LostAndPhound_32:

(Start: 22 @32078 has 228 MA's), (Start: 30 @32189 has 1 MA's), (34, 32234), (38, 32333), (40, 32393), (42, 32429), (44, 32453), (48, 32498), (49, 32504), (53, 32555), (57, 32594), (59, 32597), (60, 32609), (66, 32648), (67, 32681), (70, 32762), (72, 32855), (75, 32891), (76, 32900), (78, 32906), (87, 33131),

Gene: LuckyMarjie_32 Start: 32087, Stop: 33247, Start Num: 22

Candidate Starts for LuckyMarjie_32:

(Start: 22 @32087 has 228 MA's), (Start: 30 @32198 has 1 MA's), (34, 32243), (38, 32342), (40, 32402), (42, 32438), (44, 32462), (48, 32507), (49, 32513), (53, 32564), (57, 32603), (59, 32606), (60, 32618), (64, 32633), (66, 32657), (67, 32690), (70, 32771), (71, 32816), (72, 32864), (75, 32900), (76, 32909), (78, 32915), (87, 33140),

Gene: Luke_27 Start: 23371, Stop: 24564, Start Num: 19

Candidate Starts for Luke_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (35, 23548), (36, 23560), (37, 23599), (39, 23656), (41, 23707), (43, 23722), (45, 23761), (50, 23794), (51, 23815), (52, 23821), (54, 23857), (55, 23869), (56, 23872), (61, 23920), (62, 23926), (63, 23929), (65, 23938), (70, 24076), (72, 24169), (77, 24226), (79, 24232), (81, 24316), (82, 24331), (83, 24334), (84, 24400), (85, 24433),

Gene: Lulumae_32 Start: 32069, Stop: 33229, Start Num: 22

Candidate Starts for Lulumae_32:

(Start: 22 @32069 has 228 MA's), (Start: 30 @32180 has 1 MA's), (34, 32225), (38, 32324), (40, 32384), (42, 32420), (44, 32444), (48, 32489), (49, 32495), (53, 32546), (57, 32585), (59, 32588), (60, 32600), (64, 32615), (66, 32639), (67, 32672), (70, 32753), (71, 32798), (72, 32846), (75, 32882), (76, 32891), (78, 32897), (87, 33122),

Gene: Lulwa_33 Start: 32356, Stop: 33516, Start Num: 22

Candidate Starts for Lulwa_33:

(Start: 22 @32356 has 228 MA's), (Start: 30 @32467 has 1 MA's), (34, 32512), (38, 32611), (40, 32671), (42, 32707), (44, 32731), (48, 32776), (49, 32782), (53, 32833), (57, 32872), (59, 32875), (60, 32887), (64, 32902), (66, 32926), (67, 32959), (70, 33040), (71, 33085), (72, 33133), (75, 33169), (76, 33178), (78, 33184), (87, 33409),

Gene: Lumine_32 Start: 32065, Stop: 33225, Start Num: 22

Candidate Starts for Lumine_32:

(Start: 22 @32065 has 228 MA's), (Start: 30 @32176 has 1 MA's), (34, 32221), (38, 32320), (40, 32380), (42, 32416), (44, 32440), (48, 32485), (49, 32491), (53, 32542), (57, 32581), (59, 32584), (60, 32596), (64, 32611), (66, 32635), (67, 32668), (70, 32749), (71, 32794), (72, 32842), (75, 32878), (76, 32887), (78, 32893), (87, 33118),

Gene: Luna22_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Luna22_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (12, 23038), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: MRabcd_32 Start: 32069, Stop: 33229, Start Num: 22

Candidate Starts for MRabcd_32:

(Start: 22 @32069 has 228 MA's), (Start: 30 @32180 has 1 MA's), (34, 32225), (38, 32324), (40, 32384), (42, 32420), (44, 32444), (48, 32489), (49, 32495), (53, 32546), (57, 32585), (59, 32588), (60, 32600), (64, 32615), (66, 32639), (67, 32672), (70, 32753), (71, 32798), (72, 32846), (75, 32882), (76, 32891), (78, 32897), (87, 33122),

Gene: Mag7_32 Start: 31975, Stop: 33135, Start Num: 22

Candidate Starts for Mag7_32:

(Start: 22 @31975 has 228 MA's), (Start: 30 @32086 has 1 MA's), (34, 32131), (38, 32230), (40, 32290), (42, 32326), (44, 32350), (48, 32395), (49, 32401), (53, 32452), (57, 32491), (59, 32494), (60, 32506), (66, 32545), (67, 32578), (70, 32659), (72, 32752), (75, 32788), (76, 32797), (78, 32803), (87, 33028),

Gene: Magic8_33 Start: 32410, Stop: 33570, Start Num: 22

Candidate Starts for Magic8_33:

(Start: 22 @32410 has 228 MA's), (Start: 30 @32521 has 1 MA's), (34, 32566), (38, 32665), (40, 32725), (42, 32761), (44, 32785), (48, 32830), (49, 32836), (53, 32887), (57, 32926), (59, 32929), (60, 32941), (64, 32956), (66, 32980), (67, 33013), (70, 33094), (71, 33139), (72, 33187), (75, 33223), (76, 33232), (78, 33238), (87, 33463),

Gene: Mana_32 Start: 32084, Stop: 33244, Start Num: 22

Candidate Starts for Mana_32:

(Start: 22 @32084 has 228 MA's), (Start: 30 @32195 has 1 MA's), (34, 32240), (38, 32339), (40, 32399), (42, 32435), (44, 32459), (48, 32504), (49, 32510), (53, 32561), (57, 32600), (59, 32603), (60, 32615), (64, 32630), (66, 32654), (67, 32687), (70, 32768), (71, 32813), (72, 32861), (75, 32897), (76, 32906), (78, 32912), (87, 33137),

Gene: Manad_32 Start: 31926, Stop: 33086, Start Num: 22

Candidate Starts for Manad_32:

(Start: 22 @31926 has 228 MA's), (Start: 30 @32037 has 1 MA's), (34, 32082), (38, 32181), (40, 32241), (42, 32277), (44, 32301), (48, 32346), (49, 32352), (53, 32403), (57, 32442), (59, 32445), (60, 32457), (66, 32496), (67, 32529), (70, 32610), (71, 32655), (72, 32703), (75, 32739), (76, 32748), (78, 32754), (87, 32979),

Gene: Maru_32 Start: 32027, Stop: 33187, Start Num: 22

Candidate Starts for Maru_32:

(Start: 22 @32027 has 228 MA's), (Start: 30 @32138 has 1 MA's), (34, 32183), (38, 32282), (40, 32342), (42, 32378), (44, 32402), (48, 32447), (49, 32453), (53, 32504), (57, 32543), (59, 32546), (60, 32558), (64, 32573), (66, 32597), (67, 32630), (70, 32711), (71, 32756), (72, 32804), (75, 32840), (76, 32849), (78, 32855), (87, 33080),

Gene: Matalotodo_33 Start: 32370, Stop: 33530, Start Num: 22

Candidate Starts for Matalotodo_33:

(Start: 22 @32370 has 228 MA's), (Start: 30 @32481 has 1 MA's), (34, 32526), (38, 32625), (40, 32685), (42, 32721), (44, 32745), (48, 32790), (49, 32796), (53, 32847), (57, 32886), (59, 32889), (60, 32901), (64, 32916), (66, 32940), (67, 32973), (70, 33054), (71, 33099), (72, 33147), (75, 33183), (76, 33192), (78, 33198), (87, 33423),

Gene: Mcshane_32 Start: 32067, Stop: 33227, Start Num: 22

Candidate Starts for Mcshane_32:

(Start: 22 @32067 has 228 MA's), (Start: 30 @32178 has 1 MA's), (34, 32223), (38, 32322), (40, 32382), (42, 32418), (44, 32442), (48, 32487), (49, 32493), (53, 32544), (57, 32583), (59, 32586), (60, 32598), (64, 32613), (66, 32637), (67, 32670), (70, 32751), (71, 32796), (72, 32844), (75, 32880), (76, 32889), (78, 32895), (87, 33120),

Gene: Mecca_32 Start: 32070, Stop: 33230, Start Num: 22

Candidate Starts for Mecca_32:

(Start: 22 @32070 has 228 MA's), (Start: 30 @32181 has 1 MA's), (34, 32226), (38, 32325), (40, 32385), (42, 32421), (44, 32445), (48, 32490), (49, 32496), (53, 32547), (57, 32586), (59, 32589), (60, 32601), (64, 32616), (66, 32640), (67, 32673), (70, 32754), (71, 32799), (72, 32847), (75, 32883), (76, 32892), (78, 32898), (87, 33123),

Gene: Megamind20_33 Start: 32092, Stop: 33252, Start Num: 22

Candidate Starts for Megamind20_33:

(Start: 22 @32092 has 228 MA's), (Start: 30 @32203 has 1 MA's), (34, 32248), (38, 32347), (40, 32407), (42, 32443), (44, 32467), (48, 32512), (49, 32518), (53, 32569), (57, 32608), (59, 32611), (60, 32623), (64, 32638), (66, 32662), (67, 32695), (70, 32776), (71, 32821), (72, 32869), (75, 32905), (76, 32914), (78, 32920), (87, 33145),

Gene: Megatron_33 Start: 32368, Stop: 33528, Start Num: 22

Candidate Starts for Megatron_33:

(Start: 22 @32368 has 228 MA's), (Start: 30 @32479 has 1 MA's), (34, 32524), (38, 32623), (40, 32683), (42, 32719), (44, 32743), (48, 32788), (49, 32794), (53, 32845), (57, 32884), (59, 32887), (60, 32899), (66, 32938), (67, 32971), (70, 33052), (71, 33097), (72, 33145), (75, 33181), (76, 33190), (78, 33196), (87, 33421),

Gene: Melc17_33 Start: 32365, Stop: 33525, Start Num: 22

Candidate Starts for Melc17_33:

(Start: 22 @32365 has 228 MA's), (Start: 30 @32476 has 1 MA's), (34, 32521), (38, 32620), (40, 32680), (42, 32716), (44, 32740), (48, 32785), (49, 32791), (53, 32842), (57, 32881), (59, 32884), (60, 32896), (66, 32935), (67, 32968), (70, 33049), (72, 33142), (75, 33178), (76, 33187), (78, 33193), (87, 33418),

Gene: Mesmerelda_32 Start: 32080, Stop: 33240, Start Num: 22

Candidate Starts for Mesmerelda_32:

(Start: 22 @32080 has 228 MA's), (Start: 30 @32191 has 1 MA's), (34, 32236), (38, 32335), (40, 32395), (42, 32431), (44, 32455), (48, 32500), (49, 32506), (53, 32557), (57, 32596), (59, 32599), (60, 32611), (64, 32626), (66, 32650), (67, 32683), (70, 32764), (71, 32809), (72, 32857), (75, 32893), (76, 32902), (78, 32908), (87, 33133),

Gene: MichaelPhcott_32 Start: 31972, Stop: 33132, Start Num: 22

Candidate Starts for MichaelPhcott_32:

(Start: 22 @31972 has 228 MA's), (Start: 30 @32083 has 1 MA's), (34, 32128), (38, 32227), (40, 32287), (42, 32323), (44, 32347), (48, 32392), (49, 32398), (53, 32449), (57, 32488), (59, 32491), (60, 32503), (66, 32542), (67, 32575), (70, 32656), (72, 32749), (75, 32785), (76, 32794), (78, 32800), (87, 33025),

Gene: Mikota_33 Start: 32355, Stop: 33515, Start Num: 22

Candidate Starts for Mikota_33:

(Start: 22 @32355 has 228 MA's), (Start: 30 @32466 has 1 MA's), (34, 32511), (38, 32610), (40, 32670), (42, 32706), (44, 32730), (48, 32775), (49, 32781), (53, 32832), (57, 32871), (59, 32874), (60, 32886), (64, 32901), (66, 32925), (67, 32958), (70, 33039), (71, 33084), (72, 33132), (75, 33168), (76, 33177), (78, 33183), (87, 33408),

Gene: MiniBoss_33 Start: 32361, Stop: 33521, Start Num: 22

Candidate Starts for MiniBoss_33:

(Start: 22 @32361 has 228 MA's), (Start: 30 @32472 has 1 MA's), (34, 32517), (38, 32616), (40, 32676), (42, 32712), (44, 32736), (48, 32781), (49, 32787), (53, 32838), (57, 32877), (59, 32880), (60, 32892), (64, 32907), (66, 32931), (67, 32964), (70, 33045), (71, 33090), (72, 33138), (75, 33174), (76, 33183), (78, 33189), (87, 33414),

Gene: MitKao_33 Start: 32076, Stop: 33236, Start Num: 22

Candidate Starts for MitKao_33:

(Start: 22 @32076 has 228 MA's), (Start: 30 @32187 has 1 MA's), (34, 32232), (38, 32331), (40, 32391), (42, 32427), (44, 32451), (48, 32496), (49, 32502), (53, 32553), (57, 32592), (59, 32595), (60, 32607), (66, 32646), (67, 32679), (70, 32760), (72, 32853), (75, 32889), (76, 32898), (78, 32904), (87, 33129),

Gene: Morgushi_33 Start: 32077, Stop: 33237, Start Num: 22

Candidate Starts for Morgushi_33:

(Start: 22 @32077 has 228 MA's), (Start: 30 @32188 has 1 MA's), (34, 32233), (38, 32332), (40, 32392), (42, 32428), (44, 32452), (48, 32497), (49, 32503), (53, 32554), (57, 32593), (59, 32596), (60, 32608), (66, 32647), (67, 32680), (70, 32761), (71, 32806), (72, 32854), (75, 32890), (76, 32899), (78, 32905), (87, 33130),

Gene: Morty_33 Start: 32377, Stop: 33537, Start Num: 22

Candidate Starts for Morty_33:

(Start: 22 @32377 has 228 MA's), (Start: 30 @32488 has 1 MA's), (34, 32533), (38, 32632), (40, 32692), (42, 32728), (44, 32752), (48, 32797), (49, 32803), (53, 32854), (57, 32893), (59, 32896), (60, 32908), (66, 32947), (67, 32980), (70, 33061), (71, 33106), (72, 33154), (75, 33190), (76, 33199), (78, 33205), (87, 33430),

Gene: Mosaic_32 Start: 32082, Stop: 33242, Start Num: 22

Candidate Starts for Mosaic_32:

(Start: 22 @32082 has 228 MA's), (Start: 30 @32193 has 1 MA's), (34, 32238), (38, 32337), (40, 32397), (42, 32433), (44, 32457), (48, 32502), (49, 32508), (53, 32559), (57, 32598), (59, 32601), (60, 32613), (66, 32652), (67, 32685), (70, 32766), (72, 32859), (75, 32895), (76, 32904), (78, 32910), (87, 33135),

Gene: Mulan_32 Start: 32094, Stop: 33254, Start Num: 22

Candidate Starts for Mulan_32:

(Start: 22 @32094 has 228 MA's), (Start: 30 @32205 has 1 MA's), (34, 32250), (38, 32349), (40, 32409), (42, 32445), (44, 32469), (48, 32514), (49, 32520), (53, 32571), (57, 32610), (59, 32613), (60, 32625), (66, 32664), (67, 32697), (70, 32778), (71, 32823), (72, 32871), (75, 32907), (76, 32916), (78, 32922), (87, 33147),

Gene: Murdoc_33 Start: 32369, Stop: 33529, Start Num: 22

Candidate Starts for Murdoc_33:

(Start: 22 @32369 has 228 MA's), (Start: 30 @32480 has 1 MA's), (34, 32525), (38, 32624), (40, 32684), (42, 32720), (44, 32744), (48, 32789), (49, 32795), (53, 32846), (57, 32885), (59, 32888), (60, 32900), (64, 32915), (66, 32939), (67, 32972), (70, 33053), (71, 33098), (72, 33146), (75, 33182), (76, 33191), (78, 33197), (87, 33422),

Gene: Mutante_32 Start: 32076, Stop: 33236, Start Num: 22

Candidate Starts for Mutante_32:

(Start: 22 @32076 has 228 MA's), (Start: 30 @32187 has 1 MA's), (34, 32232), (38, 32331), (40, 32391), (42, 32427), (44, 32451), (48, 32496), (49, 32502), (53, 32553), (57, 32592), (59, 32595), (60, 32607), (64, 32622), (66, 32646), (67, 32679), (70, 32760), (71, 32805), (72, 32853), (75, 32889), (76, 32898), (78, 32904), (87, 33129),

Gene: Nacho_0033 Start: 32371, Stop: 33531, Start Num: 22

Candidate Starts for Nacho_0033:

(Start: 22 @32371 has 228 MA's), (Start: 30 @32482 has 1 MA's), (34, 32527), (38, 32626), (40, 32686), (42, 32722), (44, 32746), (48, 32791), (49, 32797), (53, 32848), (57, 32887), (59, 32890), (60, 32902), (64, 32917), (66, 32941), (67, 32974), (70, 33055), (71, 33100), (72, 33148), (75, 33184), (76, 33193), (78, 33199), (87, 33424),

Gene: Newman_33 Start: 32368, Stop: 33528, Start Num: 22

Candidate Starts for Newman_33:

(Start: 22 @32368 has 228 MA's), (Start: 30 @32479 has 1 MA's), (34, 32524), (38, 32623), (40, 32683), (42, 32719), (44, 32743), (48, 32788), (49, 32794), (53, 32845), (57, 32884), (59, 32887), (60, 32899), (64, 32914), (66, 32938), (67, 32971), (70, 33052), (71, 33097), (72, 33145), (75, 33181), (76, 33190), (78, 33196), (87, 33421),

Gene: Nicole21_33 Start: 32366, Stop: 33526, Start Num: 22

Candidate Starts for Nicole21_33:

(Start: 22 @32366 has 228 MA's), (Start: 30 @32477 has 1 MA's), (34, 32522), (38, 32621), (40, 32681), (42, 32717), (44, 32741), (48, 32786), (49, 32792), (53, 32843), (57, 32882), (59, 32885), (60, 32897), (64, 32912), (66, 32936), (67, 32969), (70, 33050), (71, 33095), (72, 33143), (75, 33179), (76, 33188), (78, 33194), (87, 33419),

Gene: NovoPizza_25 Start: 24478, Stop: 25725, Start Num: 20

Candidate Starts for NovoPizza_25:

(1, 22918), (2, 23035), (3, 23296), (4, 23614), (7, 23929), (8, 23953), (11, 24055), (18, 24454), (20, 24478), (21, 24487), (24, 24550), (29, 24616), (33, 24661), (34, 24664), (38, 24763), (39, 24805), (46, 24916), (47, 24925), (58, 25054), (68, 25195), (69, 25216), (72, 25321), (73, 25324), (74, 25348), (80, 25462), (86, 25615), (88, 25705),

Gene: Numberten_33 Start: 32375, Stop: 33535, Start Num: 22

Candidate Starts for Numberten_33:

(Start: 22 @32375 has 228 MA's), (Start: 30 @32486 has 1 MA's), (34, 32531), (38, 32630), (40, 32690), (42, 32726), (44, 32750), (48, 32795), (49, 32801), (53, 32852), (57, 32891), (59, 32894), (60, 32906), (66, 32945), (67, 32978), (70, 33059), (71, 33104), (72, 33152), (75, 33188), (76, 33197), (78, 33203), (87, 33428),

Gene: Nyala_32 Start: 32068, Stop: 33228, Start Num: 22

Candidate Starts for Nyala_32:

(Start: 22 @32068 has 228 MA's), (Start: 30 @32179 has 1 MA's), (34, 32224), (38, 32323), (40, 32383), (42, 32419), (44, 32443), (48, 32488), (49, 32494), (53, 32545), (57, 32584), (59, 32587), (60, 32599), (64, 32614), (66, 32638), (67, 32671), (70, 32752), (71, 32797), (72, 32845), (75, 32881), (76, 32890), (78, 32896), (87, 33121),

Gene: OBUpride_27 Start: 23365, Stop: 24603, Start Num: 19

Candidate Starts for OBUpride_27:

(5, 22753), (6, 22819), (9, 22909), (10, 22912), (13, 23062), (14, 23149), (15, 23152), (17, 23290), (Start: 19 @23365 has 22 MA's), (25, 23461), (27, 23488), (28, 23494), (31, 23533), (32, 23542), (35, 23587), (36, 23599), (37, 23638), (39, 23695), (41, 23746), (43, 23761), (45, 23800), (50, 23833), (51, 23854), (52, 23860), (54, 23896), (55, 23908), (56, 23911), (61, 23959), (62, 23965), (63, 23968), (65, 23977), (70, 24115), (72, 24208), (77, 24265), (79, 24271), (81, 24355), (82, 24370), (83, 24373), (84, 24439), (85, 24472),

Gene: OSmaximus_33 Start: 32410, Stop: 33570, Start Num: 22

Candidate Starts for OSmaximus_33:

(Start: 22 @32410 has 228 MA's), (Start: 30 @32521 has 1 MA's), (34, 32566), (38, 32665), (40, 32725), (42, 32761), (44, 32785), (48, 32830), (49, 32836), (53, 32887), (57, 32926), (59, 32929), (60, 32941), (64, 32956), (66, 32980), (67, 33013), (70, 33094), (71, 33139), (72, 33187), (75, 33223), (76, 33232), (78, 33238), (87, 33463),

Gene: Olak_32 Start: 32072, Stop: 33232, Start Num: 22

Candidate Starts for Olak_32:

(Start: 22 @32072 has 228 MA's), (Start: 30 @32183 has 1 MA's), (34, 32228), (38, 32327), (40, 32387), (42, 32423), (44, 32447), (48, 32492), (49, 32498), (53, 32549), (57, 32588), (59, 32591), (60, 32603), (64, 32618), (66, 32642), (67, 32675), (70, 32756), (71, 32801), (72, 32849), (75, 32885), (76, 32894), (78, 32900), (87, 33125),

Gene: Oline_32 Start: 31937, Stop: 33097, Start Num: 22

Candidate Starts for Oline_32:

(Start: 22 @31937 has 228 MA's), (Start: 30 @32048 has 1 MA's), (34, 32093), (38, 32192), (40, 32252), (42, 32288), (44, 32312), (48, 32357), (49, 32363), (53, 32414), (57, 32453), (59, 32456), (60, 32468), (66, 32507), (67, 32540), (70, 32621), (72, 32714), (75, 32750), (76, 32759), (78, 32765), (87, 32990),

Gene: Olive_33 Start: 32358, Stop: 33518, Start Num: 22

Candidate Starts for Olive_33:

(Start: 22 @32358 has 228 MA's), (Start: 30 @32469 has 1 MA's), (34, 32514), (38, 32613), (40, 32673), (42, 32709), (44, 32733), (48, 32778), (49, 32784), (53, 32835), (57, 32874), (59, 32877), (60, 32889), (66, 32928), (67, 32961), (70, 33042), (71, 33087), (72, 33135), (75, 33171), (76, 33180), (78, 33186), (87, 33411),

Gene: OliverWalter_33 Start: 32380, Stop: 33540, Start Num: 22

Candidate Starts for OliverWalter_33:

(Start: 22 @32380 has 228 MA's), (Start: 30 @32491 has 1 MA's), (34, 32536), (38, 32635), (40, 32695), (42, 32731), (44, 32755), (48, 32800), (49, 32806), (53, 32857), (57, 32896), (59, 32899), (60, 32911), (64, 32926), (66, 32950), (67, 32983), (70, 33064), (71, 33109), (72, 33157), (75, 33193), (76, 33202), (78, 33208), (87, 33433),

Gene: Omniscient_33 Start: 32377, Stop: 33537, Start Num: 22

Candidate Starts for Omniscient_33:

(Start: 22 @32377 has 228 MA's), (Start: 30 @32488 has 1 MA's), (34, 32533), (38, 32632), (40, 32692), (42, 32728), (44, 32752), (48, 32797), (49, 32803), (53, 32854), (57, 32893), (59, 32896), (60, 32908), (64, 32923), (66, 32947), (67, 32980), (70, 33061), (71, 33106), (72, 33154), (75, 33190), (76, 33199), (78, 33205), (87, 33430),

Gene: Oosterbaan_33 Start: 32368, Stop: 33528, Start Num: 22

Candidate Starts for Oosterbaan_33:

(Start: 22 @32368 has 228 MA's), (Start: 30 @32479 has 1 MA's), (34, 32524), (38, 32623), (40, 32683), (42, 32719), (44, 32743), (48, 32788), (49, 32794), (53, 32845), (57, 32884), (59, 32887), (60, 32899), (64, 32914), (66, 32938), (67, 32971), (70, 33052), (71, 33097), (72, 33145), (75, 33181), (76, 33190), (78, 33196), (87, 33421),

Gene: Orfeu_32 Start: 32076, Stop: 33236, Start Num: 22

Candidate Starts for Orfeu_32:

(Start: 22 @32076 has 228 MA's), (Start: 30 @32187 has 1 MA's), (34, 32232), (38, 32331), (40, 32391), (42, 32427), (44, 32451), (48, 32496), (49, 32502), (53, 32553), (57, 32592), (59, 32595), (60, 32607), (64, 32622), (66, 32646), (67, 32679), (70, 32760), (71, 32805), (72, 32853), (75, 32889), (76, 32898), (78, 32904), (87, 33129),

Gene: Orwigg_32 Start: 32064, Stop: 33224, Start Num: 22

Candidate Starts for Orwigg_32:

(Start: 22 @32064 has 228 MA's), (Start: 30 @32175 has 1 MA's), (34, 32220), (38, 32319), (40, 32379), (42, 32415), (44, 32439), (48, 32484), (49, 32490), (53, 32541), (57, 32580), (59, 32583), (60, 32595), (64, 32610), (66, 32634), (67, 32667), (70, 32748), (71, 32793), (72, 32841), (75, 32877), (76, 32886), (78, 32892), (87, 33117),

Gene: Pacifista_32 Start: 32070, Stop: 33230, Start Num: 22

Candidate Starts for Pacifista_32:

(Start: 22 @32070 has 228 MA's), (Start: 30 @32181 has 1 MA's), (34, 32226), (38, 32325), (40, 32385), (42, 32421), (44, 32445), (48, 32490), (49, 32496), (53, 32547), (57, 32586), (59, 32589), (60, 32601), (64, 32616), (66, 32640), (67, 32673), (70, 32754), (71, 32799), (72, 32847), (75, 32883), (76, 32892), (78, 32898), (87, 33123),

Gene: PallasAthena_33 Start: 32078, Stop: 33238, Start Num: 22

Candidate Starts for PallasAthena_33:

(Start: 22 @32078 has 228 MA's), (Start: 30 @32189 has 1 MA's), (34, 32234), (38, 32333), (40, 32393), (42, 32429), (44, 32453), (48, 32498), (49, 32504), (53, 32555), (57, 32594), (59, 32597), (60, 32609), (66, 32648), (67, 32681), (70, 32762), (71, 32807), (72, 32855), (75, 32891), (76, 32900), (78, 32906), (87, 33131),

Gene: Phamished_33 Start: 32374, Stop: 33534, Start Num: 22

Candidate Starts for Phamished_33:

(Start: 22 @32374 has 228 MA's), (Start: 30 @32485 has 1 MA's), (34, 32530), (38, 32629), (40, 32689), (42, 32725), (44, 32749), (48, 32794), (49, 32800), (53, 32851), (57, 32890), (59, 32893), (60, 32905), (64, 32920), (66, 32944), (67, 32977), (70, 33058), (71, 33103), (72, 33151), (75, 33187), (76,

33196), (78, 33202), (87, 33427),

Gene: PhatLouie_33 Start: 32372, Stop: 33532, Start Num: 22

Candidate Starts for PhatLouie_33:

(Start: 22 @32372 has 228 MA's), (Start: 30 @32483 has 1 MA's), (34, 32528), (38, 32627), (40, 32687), (42, 32723), (44, 32747), (48, 32792), (49, 32798), (53, 32849), (57, 32888), (59, 32891), (60, 32903), (66, 32942), (67, 32975), (70, 33056), (72, 33149), (75, 33185), (76, 33194), (78, 33200), (87, 33425),

Gene: PhenghisKhan_32 Start: 31978, Stop: 33138, Start Num: 22

Candidate Starts for PhenghisKhan_32:

(Start: 22 @31978 has 228 MA's), (Start: 30 @32089 has 1 MA's), (34, 32134), (38, 32233), (40, 32293), (42, 32329), (44, 32353), (48, 32398), (49, 32404), (53, 32455), (57, 32494), (59, 32497), (60, 32509), (66, 32548), (67, 32581), (70, 32662), (72, 32755), (75, 32791), (76, 32800), (78, 32806), (87, 33031),

Gene: Pherdinand_33 Start: 32374, Stop: 33534, Start Num: 22

Candidate Starts for Pherdinand_33:

(Start: 22 @32374 has 228 MA's), (Start: 30 @32485 has 1 MA's), (34, 32530), (38, 32629), (40, 32689), (42, 32725), (44, 32749), (48, 32794), (49, 32800), (53, 32851), (57, 32890), (59, 32893), (60, 32905), (64, 32920), (66, 32944), (67, 32977), (70, 33058), (71, 33103), (72, 33151), (75, 33187), (76, 33196), (78, 33202), (87, 33427),

Gene: Phergie_32 Start: 31969, Stop: 33129, Start Num: 22

Candidate Starts for Phergie_32:

(Start: 22 @31969 has 228 MA's), (Start: 30 @32080 has 1 MA's), (34, 32125), (38, 32224), (40, 32284), (42, 32320), (44, 32344), (48, 32389), (49, 32395), (53, 32446), (57, 32485), (59, 32488), (60, 32500), (66, 32539), (67, 32572), (70, 32653), (72, 32746), (75, 32782), (76, 32791), (78, 32797), (87, 33022),

Gene: Phipps_33 Start: 32345, Stop: 33505, Start Num: 22

Candidate Starts for Phipps_33:

(Start: 22 @32345 has 228 MA's), (Start: 30 @32456 has 1 MA's), (34, 32501), (38, 32600), (40, 32660), (42, 32696), (44, 32720), (48, 32765), (49, 32771), (53, 32822), (57, 32861), (59, 32864), (60, 32876), (66, 32915), (67, 32948), (70, 33029), (71, 33074), (72, 33122), (75, 33158), (76, 33167), (78, 33173), (87, 33398),

Gene: Phleuron_32 Start: 31975, Stop: 33135, Start Num: 22

Candidate Starts for Phleuron_32:

(Start: 22 @31975 has 228 MA's), (Start: 30 @32086 has 1 MA's), (34, 32131), (38, 32230), (40, 32290), (42, 32326), (44, 32350), (48, 32395), (49, 32401), (53, 32452), (57, 32491), (59, 32494), (60, 32506), (66, 32545), (67, 32578), (70, 32659), (71, 32704), (72, 32752), (75, 32788), (76, 32797), (78, 32803), (87, 33028),

Gene: PhrankReynolds_32 Start: 31975, Stop: 33135, Start Num: 22

Candidate Starts for PhrankReynolds_32:

(Start: 22 @31975 has 228 MA's), (Start: 30 @32086 has 1 MA's), (34, 32131), (38, 32230), (40, 32290), (42, 32326), (44, 32350), (48, 32395), (49, 32401), (53, 32452), (57, 32491), (59, 32494), (60, 32506), (66, 32545), (67, 32578), (70, 32659), (72, 32752), (75, 32788), (76, 32797), (78, 32803), (87, 33028),

Gene: PhrodoBaggins_32 Start: 32362, Stop: 33522, Start Num: 22

Candidate Starts for PhrodoBaggins_32:

(Start: 22 @32362 has 228 MA's), (Start: 30 @32473 has 1 MA's), (34, 32518), (38, 32617), (40, 32677), (42, 32713), (44, 32737), (48, 32782), (49, 32788), (53, 32839), (57, 32878), (59, 32881), (60, 32893), (66, 32932), (67, 32965), (70, 33046), (71, 33091), (72, 33139), (75, 33175), (76, 33184), (78, 33190), (87, 33415),

Gene: Phunky_33 Start: 32375, Stop: 33535, Start Num: 22

Candidate Starts for Phunky_33:

(Start: 22 @32375 has 228 MA's), (Start: 30 @32486 has 1 MA's), (34, 32531), (38, 32630), (40, 32690), (42, 32726), (44, 32750), (48, 32795), (49, 32801), (53, 32852), (57, 32891), (59, 32894), (60, 32906), (64, 32921), (66, 32945), (67, 32978), (70, 33059), (71, 33104), (72, 33152), (75, 33188), (76, 33197), (78, 33203), (87, 33428),

Gene: PinheadLarry_33 Start: 32088, Stop: 33248, Start Num: 22

Candidate Starts for PinheadLarry_33:

(Start: 22 @32088 has 228 MA's), (Start: 30 @32199 has 1 MA's), (34, 32244), (38, 32343), (40, 32403), (42, 32439), (44, 32463), (48, 32508), (49, 32514), (53, 32565), (57, 32604), (59, 32607), (60, 32619), (66, 32658), (67, 32691), (70, 32772), (71, 32817), (72, 32865), (75, 32901), (76, 32910), (78, 32916), (87, 33141),

Gene: Placalicious_32 Start: 32066, Stop: 33226, Start Num: 22

Candidate Starts for Placalicious_32:

(Start: 22 @32066 has 228 MA's), (Start: 30 @32177 has 1 MA's), (34, 32222), (38, 32321), (40, 32381), (42, 32417), (44, 32441), (48, 32486), (49, 32492), (53, 32543), (57, 32582), (59, 32585), (60, 32597), (64, 32612), (66, 32636), (67, 32669), (70, 32750), (71, 32795), (72, 32843), (75, 32879), (76, 32888), (78, 32894), (87, 33119),

Gene: Plata_33 Start: 32087, Stop: 33247, Start Num: 22

Candidate Starts for Plata_33:

(Start: 22 @32087 has 228 MA's), (Start: 30 @32198 has 1 MA's), (34, 32243), (38, 32342), (40, 32402), (42, 32438), (44, 32462), (48, 32507), (49, 32513), (53, 32564), (57, 32603), (59, 32606), (60, 32618), (64, 32633), (66, 32657), (67, 32690), (70, 32771), (71, 32816), (72, 32864), (75, 32900), (76, 32909), (78, 32915), (87, 33140),

Gene: Plmatters_33 Start: 32372, Stop: 33532, Start Num: 22

Candidate Starts for Plmatters_33:

(Start: 22 @32372 has 228 MA's), (Start: 30 @32483 has 1 MA's), (34, 32528), (38, 32627), (40, 32687), (42, 32723), (44, 32747), (48, 32792), (49, 32798), (53, 32849), (57, 32888), (59, 32891), (60, 32903), (66, 32942), (67, 32975), (70, 33056), (71, 33101), (72, 33149), (75, 33185), (76, 33194), (78, 33200), (87, 33425),

Gene: Podrick_33 Start: 32363, Stop: 33523, Start Num: 22

Candidate Starts for Podrick_33:

(Start: 22 @32363 has 228 MA's), (Start: 30 @32474 has 1 MA's), (34, 32519), (38, 32618), (40, 32678), (42, 32714), (44, 32738), (48, 32783), (49, 32789), (53, 32840), (57, 32879), (59, 32882), (60, 32894), (66, 32933), (67, 32966), (70, 33047), (71, 33092), (72, 33140), (75, 33176), (76, 33185), (78, 33191), (87, 33416),

Gene: Potter_32 Start: 32087, Stop: 33247, Start Num: 22

Candidate Starts for Potter_32:

(Start: 22 @32087 has 228 MA's), (Start: 30 @32198 has 1 MA's), (34, 32243), (38, 32342), (40, 32402), (42, 32438), (44, 32462), (48, 32507), (49, 32513), (53, 32564), (57, 32603), (59, 32606), (60, 32618), (66, 32657), (67, 32690), (70, 32771), (72, 32864), (75, 32900), (76, 32909), (78, 32915), (87, 33140),

Gene: Prickles_33 Start: 32363, Stop: 33523, Start Num: 22

Candidate Starts for Prickles_33:

(Start: 22 @32363 has 228 MA's), (Start: 30 @32474 has 1 MA's), (34, 32519), (38, 32618), (40, 32678), (42, 32714), (44, 32738), (48, 32783), (49, 32789), (53, 32840), (57, 32879), (59, 32882), (60, 32894), (64, 32909), (66, 32933), (67, 32966), (70, 33047), (71, 33092), (72, 33140), (75, 33176), (76, 33185), (78, 33191), (87, 33416),

Gene: ProfessorX_33 Start: 32358, Stop: 33518, Start Num: 22

Candidate Starts for ProfessorX_33:

(Start: 22 @32358 has 228 MA's), (Start: 30 @32469 has 1 MA's), (34, 32514), (38, 32613), (40, 32673), (42, 32709), (44, 32733), (48, 32778), (49, 32784), (53, 32835), (57, 32874), (59, 32877), (60, 32889), (66, 32928), (67, 32961), (70, 33042), (71, 33087), (72, 33135), (75, 33171), (76, 33180), (78, 33186), (87, 33411),

Gene: Puhltonio_33 Start: 32379, Stop: 33539, Start Num: 22

Candidate Starts for Puhltonio_33:

(Start: 22 @32379 has 228 MA's), (Start: 30 @32490 has 1 MA's), (34, 32535), (38, 32634), (40, 32694), (42, 32730), (44, 32754), (48, 32799), (49, 32805), (53, 32856), (57, 32895), (59, 32898), (60, 32910), (66, 32949), (67, 32982), (70, 33063), (71, 33108), (72, 33156), (75, 33192), (76, 33201), (78, 33207), (87, 33432),

Gene: QueenBeane_33 Start: 32369, Stop: 33529, Start Num: 22

Candidate Starts for QueenBeane_33:

(Start: 22 @32369 has 228 MA's), (Start: 30 @32480 has 1 MA's), (34, 32525), (38, 32624), (40, 32684), (42, 32720), (44, 32744), (48, 32789), (49, 32795), (53, 32846), (57, 32885), (59, 32888), (60, 32900), (64, 32915), (66, 32939), (67, 32972), (70, 33053), (71, 33098), (72, 33146), (75, 33182), (76, 33191), (78, 33197), (87, 33422),

Gene: Quisquilliae_33 Start: 32397, Stop: 33557, Start Num: 22

Candidate Starts for Quisquilliae_33:

(Start: 22 @32397 has 228 MA's), (Start: 30 @32508 has 1 MA's), (34, 32553), (38, 32652), (40, 32712), (42, 32748), (44, 32772), (48, 32817), (49, 32823), (53, 32874), (57, 32913), (59, 32916), (60, 32928), (66, 32967), (67, 33000), (70, 33081), (71, 33126), (72, 33174), (75, 33210), (76, 33219), (78, 33225), (87, 33450),

Gene: RedMaple_32 Start: 32376, Stop: 33536, Start Num: 22

Candidate Starts for RedMaple_32:

(Start: 22 @32376 has 228 MA's), (Start: 30 @32487 has 1 MA's), (34, 32532), (38, 32631), (40, 32691), (42, 32727), (44, 32751), (48, 32796), (49, 32802), (53, 32853), (57, 32892), (59, 32895), (60, 32907), (66, 32946), (67, 32979), (70, 33060), (71, 33105), (72, 33153), (75, 33189), (76, 33198), (78, 33204), (87, 33429),

Gene: RedRaider89_33 Start: 32596, Stop: 33756, Start Num: 22

Candidate Starts for RedRaider89_33:

(Start: 22 @32596 has 228 MA's), (Start: 30 @32707 has 1 MA's), (34, 32752), (38, 32851), (40, 32911), (42, 32947), (44, 32971), (48, 33016), (49, 33022), (53, 33073), (57, 33112), (59, 33115), (60, 33127), (64, 33142), (66, 33166), (67, 33199), (70, 33280), (71, 33325), (72, 33373), (75, 33409), (76, 33418), (78, 33424), (87, 33649),

Gene: Ricotta_32 Start: 32096, Stop: 33256, Start Num: 22

Candidate Starts for Ricotta_32:

(Start: 22 @32096 has 228 MA's), (Start: 30 @32207 has 1 MA's), (34, 32252), (38, 32351), (40, 32411), (42, 32447), (44, 32471), (48, 32516), (49, 32522), (53, 32573), (57, 32612), (59, 32615), (60, 32627), (64, 32642), (66, 32666), (67, 32699), (70, 32780), (71, 32825), (72, 32873), (75, 32909), (76, 32918), (78, 32924), (87, 33149),

Gene: Riggan_33 Start: 32356, Stop: 33516, Start Num: 22

Candidate Starts for Riggan_33:

(Start: 22 @32356 has 228 MA's), (Start: 30 @32467 has 1 MA's), (34, 32512), (38, 32611), (40, 32671), (42, 32707), (44, 32731), (48, 32776), (49, 32782), (53, 32833), (57, 32872), (59, 32875), (60, 32887), (66, 32926), (67, 32959), (70, 33040), (71, 33085), (72, 33133), (75, 33169), (76, 33178), (78, 33184), (87, 33409),

Gene: Riverton_32 Start: 32377, Stop: 33537, Start Num: 22

Candidate Starts for Riverton_32:

(Start: 22 @32377 has 228 MA's), (Start: 30 @32488 has 1 MA's), (34, 32533), (38, 32632), (40, 32692), (42, 32728), (44, 32752), (48, 32797), (49, 32803), (53, 32854), (57, 32893), (59, 32896), (60, 32908), (64, 32923), (66, 32947), (67, 32980), (70, 33061), (71, 33106), (72, 33154), (75, 33190), (76, 33199), (78, 33205), (87, 33430),

Gene: Robyn_32 Start: 31940, Stop: 33100, Start Num: 22

Candidate Starts for Robyn_32:

(Start: 22 @31940 has 228 MA's), (Start: 30 @32051 has 1 MA's), (34, 32096), (38, 32195), (40, 32255), (42, 32291), (44, 32315), (48, 32360), (49, 32366), (53, 32417), (57, 32456), (59, 32459), (60, 32471), (66, 32510), (67, 32543), (70, 32624), (71, 32669), (72, 32717), (75, 32753), (76, 32762), (78, 32768), (87, 32993),

Gene: Roliet_33 Start: 32365, Stop: 33525, Start Num: 22

Candidate Starts for Roliet_33:

(Start: 22 @32365 has 228 MA's), (Start: 30 @32476 has 1 MA's), (34, 32521), (38, 32620), (40, 32680), (42, 32716), (44, 32740), (48, 32785), (49, 32791), (53, 32842), (57, 32881), (59, 32884), (60, 32896), (64, 32911), (66, 32935), (67, 32968), (70, 33049), (71, 33094), (72, 33142), (75, 33178), (76, 33187), (78, 33193), (87, 33418),

Gene: Roscoe_34 Start: 32603, Stop: 33763, Start Num: 22

Candidate Starts for Roscoe_34:

(Start: 22 @32603 has 228 MA's), (Start: 30 @32714 has 1 MA's), (34, 32759), (38, 32858), (40, 32918), (42, 32954), (44, 32978), (48, 33023), (49, 33029), (53, 33080), (57, 33119), (59, 33122), (60, 33134), (66, 33173), (67, 33206), (70, 33287), (71, 33332), (72, 33380), (75, 33416), (76, 33425), (78, 33431), (87, 33656),

Gene: Roy17_33 Start: 32069, Stop: 33229, Start Num: 22

Candidate Starts for Roy17_33:

(Start: 22 @32069 has 228 MA's), (Start: 30 @32180 has 1 MA's), (34, 32225), (38, 32324), (40, 32384), (42, 32420), (44, 32444), (48, 32489), (49, 32495), (53, 32546), (57, 32585), (59, 32588), (60, 32600), (64, 32615), (66, 32639), (67, 32672), (70, 32753), (71, 32798), (72, 32846), (75, 32882), (76, 32891), (78, 32897), (87, 33122),

Gene: SDcharge11_33 Start: 32343, Stop: 33503, Start Num: 22

Candidate Starts for SDcharge11_33:

(Start: 22 @32343 has 228 MA's), (Start: 30 @32454 has 1 MA's), (34, 32499), (38, 32598), (40, 32658), (42, 32694), (44, 32718), (48, 32763), (49, 32769), (53, 32820), (57, 32859), (59, 32862), (60, 32874), (64, 32889), (66, 32913), (67, 32946), (70, 33027), (71, 33072), (72, 33120), (75, 33156), (76, 33165), (78, 33171), (87, 33396),

Gene: Sabella_33 Start: 32688, Stop: 33851, Start Num: 22

Candidate Starts for Sabella_33:

(16, 32541), (21, 32682), (Start: 22 @32688 has 228 MA's), (23, 32727), (26, 32757), (Start: 30 @32802 has 1 MA's), (34, 32847), (38, 32946), (40, 33006), (42, 33042), (44, 33066), (48, 33111), (49, 33117), (53, 33168), (57, 33207), (59, 33210), (60, 33222), (64, 33237), (66, 33261), (67, 33294), (70, 33375), (72, 33468), (75, 33504), (76, 33513), (78, 33519), (87, 33744),

Gene: SallyH_33 Start: 32379, Stop: 33539, Start Num: 22

Candidate Starts for SallyH_33:

(Start: 22 @32379 has 228 MA's), (Start: 30 @32490 has 1 MA's), (34, 32535), (38, 32634), (40, 32694), (42, 32730), (44, 32754), (48, 32799), (49, 32805), (53, 32856), (57, 32895), (59, 32898), (60, 32910), (64, 32925), (66, 32949), (67, 32982), (70, 33063), (71, 33108), (72, 33156), (75, 33192), (76, 33201), (78, 33207), (87, 33432),

Gene: Samaymay_33 Start: 32369, Stop: 33529, Start Num: 22

Candidate Starts for Samaymay_33:

(Start: 22 @32369 has 228 MA's), (Start: 30 @32480 has 1 MA's), (34, 32525), (38, 32624), (40, 32684), (42, 32720), (44, 32744), (48, 32789), (49, 32795), (53, 32846), (57, 32885), (59, 32888), (60, 32900), (64, 32915), (66, 32939), (67, 32972), (70, 33053), (71, 33098), (72, 33146), (75, 33182), (76, 33191), (78, 33197), (87, 33422),

Gene: SassyCat97_32 Start: 32075, Stop: 33235, Start Num: 22

Candidate Starts for SassyCat97_32:

(Start: 22 @32075 has 228 MA's), (Start: 30 @32186 has 1 MA's), (34, 32231), (38, 32330), (40, 32390), (42, 32426), (44, 32450), (48, 32495), (49, 32501), (53, 32552), (57, 32591), (59, 32594), (60, 32606), (66, 32645), (67, 32678), (70, 32759), (71, 32804), (72, 32852), (75, 32888), (76, 32897), (78, 32903), (87, 33128),

Gene: Schadenfreude_32 Start: 31926, Stop: 33086, Start Num: 22

Candidate Starts for Schadenfreude_32:

(Start: 22 @31926 has 228 MA's), (Start: 30 @32037 has 1 MA's), (34, 32082), (38, 32181), (40, 32241), (42, 32277), (44, 32301), (48, 32346), (49, 32352), (53, 32403), (57, 32442), (59, 32445), (60, 32457), (66, 32496), (67, 32529), (70, 32610), (71, 32655), (72, 32703), (75, 32739), (76, 32748), (78, 32754), (87, 32979),

Gene: Schueller_32 Start: 32091, Stop: 33251, Start Num: 22

Candidate Starts for Schueller_32:

(Start: 22 @32091 has 228 MA's), (Start: 30 @32202 has 1 MA's), (34, 32247), (38, 32346), (40, 32406), (42, 32442), (44, 32466), (48, 32511), (49, 32517), (53, 32568), (57, 32607), (59, 32610), (60, 32622), (66, 32661), (67, 32694), (70, 32775), (71, 32820), (72, 32868), (75, 32904), (76, 32913), (78, 32919), (87, 33144),

Gene: Scrick_33 Start: 32093, Stop: 33253, Start Num: 22

Candidate Starts for Scrick_33:

(Start: 22 @32093 has 228 MA's), (Start: 30 @32204 has 1 MA's), (34, 32249), (38, 32348), (40, 32408), (42, 32444), (44, 32468), (48, 32513), (49, 32519), (53, 32570), (57, 32609), (59, 32612), (60, 32624), (64, 32639), (66, 32663), (67, 32696), (70, 32777), (71, 32822), (72, 32870), (75, 32906), (76, 32915), (78, 32921), (87, 33146),

Gene: Selr12_33 Start: 32097, Stop: 33257, Start Num: 22

Candidate Starts for Selr12_33:

(Start: 22 @32097 has 228 MA's), (Start: 30 @32208 has 1 MA's), (34, 32253), (38, 32352), (40, 32412), (42, 32448), (44, 32472), (48, 32517), (49, 32523), (53, 32574), (57, 32613), (59, 32616), (60, 32628), (64, 32643), (66, 32667), (67, 32700), (70, 32781), (71, 32826), (72, 32874), (75, 32910), (76, 32919), (78, 32925), (87, 33150),

Gene: Serpentine_0033 Start: 32374, Stop: 33534, Start Num: 22

Candidate Starts for Serpentine_0033:

(Start: 22 @32374 has 228 MA's), (Start: 30 @32485 has 1 MA's), (34, 32530), (38, 32629), (40, 32689), (42, 32725), (44, 32749), (48, 32794), (49, 32800), (53, 32851), (57, 32890), (59, 32893), (60, 32905), (64, 32920), (66, 32944), (67, 32977), (70, 33058), (71, 33103), (72, 33151), (75, 33187), (76, 33196), (78, 33202), (87, 33427),

Gene: ShadowBud_33 Start: 32394, Stop: 33554, Start Num: 22

Candidate Starts for ShadowBud_33:

(Start: 22 @32394 has 228 MA's), (Start: 30 @32505 has 1 MA's), (34, 32550), (38, 32649), (40, 32709), (42, 32745), (44, 32769), (48, 32814), (49, 32820), (53, 32871), (57, 32910), (59, 32913), (60, 32925), (66, 32964), (67, 32997), (70, 33078), (71, 33123), (72, 33171), (75, 33207), (76, 33216), (78, 33222), (87, 33447),

Gene: Sheila_33 Start: 32411, Stop: 33571, Start Num: 22

Candidate Starts for Sheila_33:

(Start: 22 @32411 has 228 MA's), (Start: 30 @32522 has 1 MA's), (34, 32567), (38, 32666), (40, 32726), (42, 32762), (44, 32786), (48, 32831), (49, 32837), (53, 32888), (57, 32927), (59, 32930), (60, 32942), (64, 32957), (66, 32981), (67, 33014), (70, 33095), (71, 33140), (72, 33188), (75, 33224), (76, 33233), (78, 33239), (87, 33464),

Gene: ShiVal_33 Start: 32367, Stop: 33527, Start Num: 22

Candidate Starts for ShiVal_33:

(Start: 22 @32367 has 228 MA's), (Start: 30 @32478 has 1 MA's), (34, 32523), (38, 32622), (40, 32682), (42, 32718), (44, 32742), (48, 32787), (49, 32793), (53, 32844), (57, 32883), (59, 32886), (60, 32898), (66, 32937), (67, 32970), (70, 33051), (71, 33096), (72, 33144), (75, 33180), (76, 33189), (78, 33195), (87, 33420),

Gene: Sigman_33 Start: 32359, Stop: 33519, Start Num: 22

Candidate Starts for Sigman_33:

(Start: 22 @32359 has 228 MA's), (Start: 30 @32470 has 1 MA's), (34, 32515), (38, 32614), (40, 32674), (42, 32710), (44, 32734), (48, 32779), (49, 32785), (53, 32836), (57, 32875), (59, 32878), (60, 32890), (64, 32905), (66, 32929), (67, 32962), (70, 33043), (71, 33088), (72, 33136), (75, 33172), (76, 33181), (78, 33187), (87, 33412),

Gene: SilverBell_33 Start: 32389, Stop: 33549, Start Num: 22

Candidate Starts for SilverBell_33:

(Start: 22 @32389 has 228 MA's), (Start: 30 @32500 has 1 MA's), (34, 32545), (38, 32644), (40, 32704), (42, 32740), (44, 32764), (48, 32809), (49, 32815), (53, 32866), (57, 32905), (59, 32908), (60, 32920), (66, 32959), (67, 32992), (70, 33073), (71, 33118), (72, 33166), (75, 33202), (76, 33211), (78, 33217), (87, 33442),

Gene: Simielle_32 Start: 32062, Stop: 33222, Start Num: 22

Candidate Starts for Simielle_32:

(Start: 22 @32062 has 228 MA's), (Start: 30 @32173 has 1 MA's), (34, 32218), (38, 32317), (40, 32377), (42, 32413), (44, 32437), (48, 32482), (49, 32488), (53, 32539), (57, 32578), (59, 32581), (60, 32593), (64, 32608), (66, 32632), (67, 32665), (70, 32746), (71, 32791), (72, 32839), (75, 32875), (76, 32884), (78, 32890), (87, 33115),

Gene: SirBeauregard_33 Start: 32066, Stop: 33226, Start Num: 22

Candidate Starts for SirBeauregard_33:

(Start: 22 @32066 has 228 MA's), (Start: 30 @32177 has 1 MA's), (34, 32222), (38, 32321), (40, 32381), (42, 32417), (44, 32441), (48, 32486), (49, 32492), (53, 32543), (57, 32582), (59, 32585), (60, 32597), (66, 32636), (67, 32669), (70, 32750), (71, 32795), (72, 32843), (75, 32879), (76, 32888), (78, 32894), (87, 33119),

Gene: Skippy_33 Start: 32357, Stop: 33517, Start Num: 22

Candidate Starts for Skippy_33:

(Start: 22 @32357 has 228 MA's), (Start: 30 @32468 has 1 MA's), (34, 32513), (38, 32612), (40, 32672), (42, 32708), (44, 32732), (48, 32777), (49, 32783), (53, 32834), (57, 32873), (59, 32876), (60, 32888), (66, 32927), (67, 32960), (70, 33041), (71, 33086), (72, 33134), (75, 33170), (76, 33179), (78, 33185), (87, 33410),

Gene: Slatt_33 Start: 32383, Stop: 33543, Start Num: 22

Candidate Starts for Slatt_33:

(Start: 22 @32383 has 228 MA's), (Start: 30 @32494 has 1 MA's), (34, 32539), (38, 32638), (40, 32698), (42, 32734), (44, 32758), (48, 32803), (49, 32809), (53, 32860), (57, 32899), (59, 32902), (60, 32914), (66, 32953), (67, 32986), (70, 33067), (71, 33112), (72, 33160), (75, 33196), (76, 33205), (78, 33211), (87, 33436),

Gene: Soile_33 Start: 32089, Stop: 33249, Start Num: 22

Candidate Starts for Soile_33:

(Start: 22 @32089 has 228 MA's), (Start: 30 @32200 has 1 MA's), (34, 32245), (38, 32344), (40, 32404), (42, 32440), (44, 32464), (48, 32509), (49, 32515), (53, 32566), (57, 32605), (59, 32608), (60, 32620), (66, 32659), (67, 32692), (70, 32773), (71, 32818), (72, 32866), (75, 32902), (76, 32911), (78, 32917), (87, 33142),

Gene: Sophia_32 Start: 32084, Stop: 33244, Start Num: 22

Candidate Starts for Sophia_32:

(Start: 22 @32084 has 228 MA's), (Start: 30 @32195 has 1 MA's), (34, 32240), (38, 32339), (40, 32399), (42, 32435), (44, 32459), (48, 32504), (49, 32510), (53, 32561), (57, 32600), (59, 32603), (60, 32615), (66, 32654), (67, 32687), (70, 32768), (71, 32813), (72, 32861), (75, 32897), (76, 32906), (78, 32912), (87, 33137),

Gene: Soto_33 Start: 32377, Stop: 33537, Start Num: 22

Candidate Starts for Soto_33:

(Start: 22 @32377 has 228 MA's), (Start: 30 @32488 has 1 MA's), (34, 32533), (38, 32632), (40, 32692), (42, 32728), (44, 32752), (48, 32797), (49, 32803), (53, 32854), (57, 32893), (59, 32896), (60, 32908), (64, 32923), (66, 32947), (67, 32980), (70, 33061), (71, 33106), (72, 33154), (75, 33190), (76, 33199), (78, 33205), (87, 33430),

Gene: Spartan300_33 Start: 32363, Stop: 33523, Start Num: 22

Candidate Starts for Spartan300_33:

(Start: 22 @32363 has 228 MA's), (Start: 30 @32474 has 1 MA's), (34, 32519), (38, 32618), (40, 32678), (42, 32714), (44, 32738), (48, 32783), (49, 32789), (53, 32840), (57, 32879), (59, 32882), (60, 32894), (66, 32933), (67, 32966), (70, 33047), (71, 33092), (72, 33140), (75, 33176), (76, 33185), (78, 33191), (87, 33416),

Gene: Squid_33 Start: 32075, Stop: 33235, Start Num: 22

Candidate Starts for Squid_33:

(Start: 22 @32075 has 228 MA's), (Start: 30 @32186 has 1 MA's), (34, 32231), (38, 32330), (40, 32390), (42, 32426), (44, 32450), (48, 32495), (49, 32501), (53, 32552), (57, 32591), (59, 32594), (60, 32606), (66, 32645), (67, 32678), (70, 32759), (71, 32804), (72, 32852), (75, 32888), (76, 32897), (78, 32903), (87, 33128),

Gene: Squiggle_33 Start: 32087, Stop: 33247, Start Num: 22

Candidate Starts for Squiggle_33:

(Start: 22 @32087 has 228 MA's), (Start: 30 @32198 has 1 MA's), (34, 32243), (38, 32342), (40, 32402), (42, 32438), (44, 32462), (48, 32507), (49, 32513), (53, 32564), (57, 32603), (59, 32606), (60, 32618), (64, 32633), (66, 32657), (67, 32690), (70, 32771), (71, 32816), (72, 32864), (75, 32900), (76, 32909), (78, 32915), (87, 33140),

Gene: Struggle_32 Start: 31925, Stop: 33085, Start Num: 22

Candidate Starts for Struggle_32:

(Start: 22 @31925 has 228 MA's), (Start: 30 @32036 has 1 MA's), (34, 32081), (38, 32180), (40, 32240), (42, 32276), (44, 32300), (48, 32345), (49, 32351), (53, 32402), (57, 32441), (59, 32444), (60, 32456), (64, 32471), (66, 32495), (67, 32528), (70, 32609), (72, 32702), (75, 32738), (76, 32747), (78, 32753), (87, 32978),

Gene: Suffolk_33 Start: 32374, Stop: 33534, Start Num: 22

Candidate Starts for Suffolk_33:

(Start: 22 @32374 has 228 MA's), (Start: 30 @32485 has 1 MA's), (34, 32530), (38, 32629), (40, 32689), (42, 32725), (44, 32749), (48, 32794), (49, 32800), (53, 32851), (57, 32890), (59, 32893), (60, 32905), (66, 32944), (67, 32977), (70, 33058), (71, 33103), (72, 33151), (75, 33187), (76, 33196), (78, 33202), (87, 33427),

Gene: Surely_33 Start: 32377, Stop: 33537, Start Num: 22

Candidate Starts for Surely_33:

(Start: 22 @32377 has 228 MA's), (Start: 30 @32488 has 1 MA's), (34, 32533), (38, 32632), (40, 32692), (42, 32728), (44, 32752), (48, 32797), (49, 32803), (53, 32854), (57, 32893), (59, 32896), (60, 32908), (66, 32947), (67, 32980), (70, 33061), (71, 33106), (72, 33154), (75, 33190), (76, 33199), (78, 33205), (87, 33430),

Gene: Swiphy_33 Start: 32372, Stop: 33532, Start Num: 22

Candidate Starts for Swiphy_33:

(Start: 22 @32372 has 228 MA's), (Start: 30 @32483 has 1 MA's), (34, 32528), (38, 32627), (40, 32687), (42, 32723), (44, 32747), (48, 32792), (49, 32798), (53, 32849), (57, 32888), (59, 32891), (60, 32903), (66, 32942), (67, 32975), (70, 33056), (72, 33149), (75, 33185), (76, 33194), (78, 33200), (87, 33425),

Gene: Swish_33 Start: 32360, Stop: 33520, Start Num: 22

Candidate Starts for Swish_33:

(Start: 22 @32360 has 228 MA's), (Start: 30 @32471 has 1 MA's), (34, 32516), (38, 32615), (40, 32675), (42, 32711), (44, 32735), (48, 32780), (49, 32786), (53, 32837), (57, 32876), (59, 32879), (60, 32891), (64, 32906), (66, 32930), (67, 32963), (70, 33044), (71, 33089), (72, 33137), (75, 33173), (76, 33182), (78, 33188), (87, 33413),

Gene: TA17A_34 Start: 32678, Stop: 33841, Start Num: 22

Candidate Starts for TA17A_34:

(21, 32672), (Start: 22 @32678 has 228 MA's), (23, 32717), (26, 32747), (Start: 30 @32792 has 1 MA's), (34, 32837), (38, 32936), (40, 32996), (42, 33032), (44, 33056), (48, 33101), (49, 33107), (53, 33158), (57, 33197), (59, 33200), (60, 33212), (66, 33251), (67, 33284), (70, 33365), (71, 33410), (72, 33458), (75, 33494), (76, 33503), (78, 33509), (87, 33734),

Gene: TallGrassMM_33 Start: 31999, Stop: 33159, Start Num: 22

Candidate Starts for TallGrassMM_33:

(Start: 22 @31999 has 228 MA's), (Start: 30 @32110 has 1 MA's), (34, 32155), (38, 32254), (40, 32314), (42, 32350), (44, 32374), (48, 32419), (49, 32425), (53, 32476), (57, 32515), (59, 32518), (60, 32530), (64, 32545), (66, 32569), (67, 32602), (70, 32683), (71, 32728), (72, 32776), (75, 32812), (76, 32821), (78, 32827), (87, 33052),

Gene: Telesworld_32 Start: 32072, Stop: 33232, Start Num: 22

Candidate Starts for Telesworld_32:

(Start: 22 @32072 has 228 MA's), (Start: 30 @32183 has 1 MA's), (34, 32228), (38, 32327), (40, 32387), (42, 32423), (44, 32447), (48, 32492), (49, 32498), (53, 32549), (57, 32588), (59, 32591), (60, 32603), (66, 32642), (67, 32675), (70, 32756), (71, 32801), (72, 32849), (75, 32885), (76, 32894), (78, 32900), (87, 33125),

Gene: Thora_33 Start: 32376, Stop: 33536, Start Num: 22

Candidate Starts for Thora_33:

(Start: 22 @32376 has 228 MA's), (Start: 30 @32487 has 1 MA's), (34, 32532), (38, 32631), (40, 32691), (42, 32727), (44, 32751), (48, 32796), (49, 32802), (53, 32853), (57, 32892), (59, 32895), (60, 32907), (66, 32946), (67, 32979), (70, 33060), (71, 33105), (72, 33153), (75, 33189), (76, 33198), (78, 33204), (87, 33429),

Gene: Thunderbird_32 Start: 32080, Stop: 33240, Start Num: 22

Candidate Starts for Thunderbird_32:

(Start: 22 @32080 has 228 MA's), (Start: 30 @32191 has 1 MA's), (34, 32236), (38, 32335), (40, 32395), (42, 32431), (44, 32455), (48, 32500), (49, 32506), (53, 32557), (57, 32596), (59, 32599), (60, 32611), (64, 32626), (66, 32650), (67, 32683), (70, 32764), (72, 32857), (75, 32893), (76, 32902), (78, 32908), (87, 33133),

Gene: Timmi_32 Start: 32085, Stop: 33245, Start Num: 22

Candidate Starts for Timmi_32:

(Start: 22 @32085 has 228 MA's), (Start: 30 @32196 has 1 MA's), (34, 32241), (38, 32340), (40, 32400), (42, 32436), (44, 32460), (48, 32505), (49, 32511), (53, 32562), (57, 32601), (59, 32604), (60, 32616), (66, 32655), (67, 32688), (70, 32769), (71, 32814), (72, 32862), (75, 32898), (76, 32907), (78, 32913), (87, 33138),

Gene: TomBombadil_33 Start: 32370, Stop: 33530, Start Num: 22

Candidate Starts for TomBombadil_33:

(Start: 22 @32370 has 228 MA's), (Start: 30 @32481 has 1 MA's), (34, 32526), (38, 32625), (40, 32685), (42, 32721), (44, 32745), (48, 32790), (49, 32796), (53, 32847), (57, 32886), (59, 32889), (60, 32901), (64, 32916), (66, 32940), (67, 32973), (70, 33054), (72, 33147), (75, 33183), (76, 33192), (78, 33198), (87, 33423),

Gene: Tomlarah_33 Start: 32361, Stop: 33521, Start Num: 22

Candidate Starts for Tomlarah_33:

(Start: 22 @32361 has 228 MA's), (Start: 30 @32472 has 1 MA's), (34, 32517), (38, 32616), (40, 32676), (42, 32712), (44, 32736), (48, 32781), (49, 32787), (53, 32838), (57, 32877), (59, 32880), (60, 32892), (64, 32907), (66, 32931), (67, 32964), (70, 33045), (71, 33090), (72, 33138), (75, 33174), (76, 33183), (78, 33189), (87, 33414),

Gene: Toni_32 Start: 32077, Stop: 33237, Start Num: 22

Candidate Starts for Toni_32:

(Start: 22 @32077 has 228 MA's), (Start: 30 @32188 has 1 MA's), (34, 32233), (38, 32332), (40, 32392), (42, 32428), (44, 32452), (48, 32497), (49, 32503), (53, 32554), (57, 32593), (59, 32596), (60, 32608), (64, 32623), (66, 32647), (67, 32680), (70, 32761), (71, 32806), (72, 32854), (75, 32890), (76, 32899), (78, 32905), (87, 33130),

Gene: TooFast2Furius_34 Start: 32606, Stop: 33766, Start Num: 22

Candidate Starts for TooFast2Furius_34:

(Start: 22 @32606 has 228 MA's), (Start: 30 @32717 has 1 MA's), (34, 32762), (38, 32861), (40, 32921), (42, 32957), (44, 32981), (48, 33026), (49, 33032), (53, 33083), (57, 33122), (59, 33125), (60, 33137), (64, 33152), (66, 33176), (67, 33209), (70, 33290), (71, 33335), (72, 33383), (75, 33419), (76, 33428), (78, 33434), (87, 33659),

Gene: Tooj_33 Start: 32434, Stop: 33594, Start Num: 22

Candidate Starts for Tooj_33:

(Start: 22 @32434 has 228 MA's), (Start: 30 @32545 has 1 MA's), (34, 32590), (38, 32689), (40, 32749), (42, 32785), (44, 32809), (48, 32854), (49, 32860), (53, 32911), (57, 32950), (59, 32953), (60, 32965), (66, 33004), (67, 33037), (70, 33118), (71, 33163), (72, 33211), (75, 33247), (76, 33256), (78, 33262), (87, 33487),

Gene: Triad_33 Start: 31238, Stop: 32398, Start Num: 22

Candidate Starts for Triad_33:

(Start: 22 @31238 has 228 MA's), (Start: 30 @31349 has 1 MA's), (34, 31394), (38, 31493), (40, 31553), (42, 31589), (44, 31613), (48, 31658), (49, 31664), (53, 31715), (57, 31754), (59, 31757), (60, 31769), (66, 31808), (67, 31841), (70, 31922), (72, 32015), (75, 32051), (76, 32060), (78, 32066), (87, 32291),

Gene: True_32 Start: 32074, Stop: 33234, Start Num: 22

Candidate Starts for True_32:

(Start: 22 @32074 has 228 MA's), (Start: 30 @32185 has 1 MA's), (34, 32230), (38, 32329), (40, 32389), (42, 32425), (44, 32449), (48, 32494), (49, 32500), (53, 32551), (57, 32590), (59, 32593), (60, 32605), (64, 32620), (66, 32644), (67, 32677), (70, 32758), (71, 32803), (72, 32851), (75, 32887), (76, 32896), (78, 32902), (87, 33127),

Gene: UAch1_33 Start: 32383, Stop: 33543, Start Num: 22

Candidate Starts for UAch1_33:

(Start: 22 @32383 has 228 MA's), (Start: 30 @32494 has 1 MA's), (34, 32539), (38, 32638), (40, 32698), (42, 32734), (44, 32758), (48, 32803), (49, 32809), (53, 32860), (57, 32899), (59, 32902), (60, 32914), (66, 32953), (67, 32986), (70, 33067), (71, 33112), (72, 33160), (75, 33196), (76, 33205), (78, 33211), (87, 33436),

Gene: Ubuntu_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Ubuntu_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: UncleHowie_33 Start: 32073, Stop: 33233, Start Num: 22

Candidate Starts for UncleHowie_33:

(Start: 22 @32073 has 228 MA's), (Start: 30 @32184 has 1 MA's), (34, 32229), (38, 32328), (40, 32388), (42, 32424), (44, 32448), (48, 32493), (49, 32499), (53, 32550), (57, 32589), (59, 32592), (60,

32604), (64, 32619), (66, 32643), (67, 32676), (70, 32757), (71, 32802), (72, 32850), (75, 32886), (76, 32895), (78, 32901), (87, 33126),

Gene: Usavi_33 Start: 32374, Stop: 33534, Start Num: 22

Candidate Starts for Usavi_33:

(Start: 22 @32374 has 228 MA's), (Start: 30 @32485 has 1 MA's), (34, 32530), (38, 32629), (40, 32689), (42, 32725), (44, 32749), (48, 32794), (49, 32800), (53, 32851), (57, 32890), (59, 32893), (60, 32905), (64, 32920), (66, 32944), (67, 32977), (70, 33058), (71, 33103), (72, 33151), (75, 33187), (76, 33196), (78, 33202), (87, 33427),

Gene: Vaishali24_32 Start: 32035, Stop: 33195, Start Num: 22

Candidate Starts for Vaishali24_32:

(Start: 22 @32035 has 228 MA's), (Start: 30 @32146 has 1 MA's), (34, 32191), (38, 32290), (40, 32350), (42, 32386), (44, 32410), (48, 32455), (49, 32461), (53, 32512), (57, 32551), (59, 32554), (60, 32566), (66, 32605), (67, 32638), (70, 32719), (71, 32764), (72, 32812), (75, 32848), (76, 32857), (78, 32863), (87, 33088),

Gene: Valjean_33 Start: 32366, Stop: 33526, Start Num: 22

Candidate Starts for Valjean_33:

(Start: 22 @32366 has 228 MA's), (Start: 30 @32477 has 1 MA's), (34, 32522), (38, 32621), (40, 32681), (42, 32717), (44, 32741), (48, 32786), (49, 32792), (53, 32843), (57, 32882), (59, 32885), (60, 32897), (66, 32936), (67, 32969), (70, 33050), (71, 33095), (72, 33143), (75, 33179), (76, 33188), (78, 33194), (87, 33419),

Gene: Vaticameos_33 Start: 32064, Stop: 33224, Start Num: 22

Candidate Starts for Vaticameos_33:

(Start: 22 @32064 has 228 MA's), (Start: 30 @32175 has 1 MA's), (34, 32220), (38, 32319), (40, 32379), (42, 32415), (44, 32439), (48, 32484), (49, 32490), (53, 32541), (57, 32580), (59, 32583), (60, 32595), (64, 32610), (66, 32634), (67, 32667), (70, 32748), (71, 32793), (72, 32841), (75, 32877), (76, 32886), (78, 32892), (87, 33117),

Gene: Veritas_32 Start: 31936, Stop: 33096, Start Num: 22

Candidate Starts for Veritas_32:

(Start: 22 @31936 has 228 MA's), (Start: 30 @32047 has 1 MA's), (34, 32092), (38, 32191), (40, 32251), (42, 32287), (44, 32311), (48, 32356), (49, 32362), (53, 32413), (57, 32452), (59, 32455), (60, 32467), (66, 32506), (67, 32539), (70, 32620), (72, 32713), (75, 32749), (76, 32758), (78, 32764), (87, 32989),

Gene: Virapocalypse_33 Start: 32361, Stop: 33521, Start Num: 22

Candidate Starts for Virapocalypse_33:

(Start: 22 @32361 has 228 MA's), (Start: 30 @32472 has 1 MA's), (34, 32517), (38, 32616), (40, 32676), (42, 32712), (44, 32736), (48, 32781), (49, 32787), (53, 32838), (57, 32877), (59, 32880), (60, 32892), (66, 32931), (67, 32964), (70, 33045), (71, 33090), (72, 33138), (75, 33174), (76, 33183), (78, 33189), (87, 33414),

Gene: Virgeve_32 Start: 32141, Stop: 33301, Start Num: 22

Candidate Starts for Virgeve_32:

(Start: 22 @32141 has 228 MA's), (Start: 30 @32252 has 1 MA's), (34, 32297), (38, 32396), (40, 32456), (42, 32492), (44, 32516), (48, 32561), (49, 32567), (53, 32618), (57, 32657), (59, 32660), (60, 32672), (66, 32711), (67, 32744), (70, 32825), (71, 32870), (72, 32918), (75, 32954), (76, 32963), (78, 32969), (87, 33194),

Gene: Vivaldi_33 Start: 32403, Stop: 33563, Start Num: 22

Candidate Starts for Vivaldi_33:

(Start: 22 @32403 has 228 MA's), (Start: 30 @32514 has 1 MA's), (34, 32559), (38, 32658), (40, 32718), (42, 32754), (44, 32778), (48, 32823), (49, 32829), (53, 32880), (57, 32919), (59, 32922), (60, 32934), (66, 32973), (67, 33006), (70, 33087), (71, 33132), (72, 33180), (75, 33216), (76, 33225), (78, 33231), (87, 33456),

Gene: Vortex_33 Start: 32080, Stop: 33240, Start Num: 22

Candidate Starts for Vortex_33:

(Start: 22 @32080 has 228 MA's), (Start: 30 @32191 has 1 MA's), (34, 32236), (38, 32335), (40, 32395), (42, 32431), (44, 32455), (48, 32500), (49, 32506), (53, 32557), (57, 32596), (59, 32599), (60, 32611), (66, 32650), (67, 32683), (70, 32764), (71, 32809), (72, 32857), (75, 32893), (76, 32902), (78, 32908), (87, 33133),

Gene: Webster2_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Webster2_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: Weher20_33 Start: 32365, Stop: 33525, Start Num: 22

Candidate Starts for Weher20_33:

(Start: 22 @32365 has 228 MA's), (Start: 30 @32476 has 1 MA's), (34, 32521), (38, 32620), (40, 32680), (42, 32716), (44, 32740), (48, 32785), (49, 32791), (53, 32842), (57, 32881), (59, 32884), (60, 32896), (66, 32935), (67, 32968), (70, 33049), (72, 33142), (75, 33178), (76, 33187), (78, 33193), (87, 33418),

Gene: Windsor_32 Start: 32070, Stop: 33230, Start Num: 22

Candidate Starts for Windsor_32:

(Start: 22 @32070 has 228 MA's), (Start: 30 @32181 has 1 MA's), (34, 32226), (38, 32325), (40, 32385), (42, 32421), (44, 32445), (48, 32490), (49, 32496), (53, 32547), (57, 32586), (59, 32589), (60, 32601), (66, 32640), (67, 32673), (70, 32754), (71, 32799), (72, 32847), (75, 32883), (76, 32892), (78, 32898), (87, 33123),

Gene: Wishmaker_27 Start: 23371, Stop: 24609, Start Num: 19

Candidate Starts for Wishmaker_27:

(5, 22759), (6, 22825), (9, 22915), (10, 22918), (13, 23068), (14, 23155), (15, 23158), (17, 23296), (Start: 19 @23371 has 22 MA's), (25, 23467), (27, 23494), (28, 23500), (31, 23539), (32, 23548), (35, 23593), (36, 23605), (37, 23644), (39, 23701), (41, 23752), (43, 23767), (45, 23806), (50, 23839), (51, 23860), (52, 23866), (54, 23902), (55, 23914), (56, 23917), (61, 23965), (62, 23971), (63, 23974), (65, 23983), (70, 24121), (72, 24214), (77, 24271), (79, 24277), (81, 24361), (82, 24376), (83, 24379), (84, 24445), (85, 24478),

Gene: Xavier_32 Start: 32087, Stop: 33247, Start Num: 22

Candidate Starts for Xavier_32:

(Start: 22 @32087 has 228 MA's), (Start: 30 @32198 has 1 MA's), (34, 32243), (38, 32342), (40, 32402), (42, 32438), (44, 32462), (48, 32507), (49, 32513), (53, 32564), (57, 32603), (59, 32606), (60, 32618), (66, 32657), (67, 32690), (70, 32771), (72, 32864), (75, 32900), (76, 32909), (78, 32915), (87, 33140),

Gene: Yoshand_33 Start: 32373, Stop: 33533, Start Num: 22

Candidate Starts for Yoshand_33:

(Start: 22 @32373 has 228 MA's), (Start: 30 @32484 has 1 MA's), (34, 32529), (38, 32628), (40, 32688), (42, 32724), (44, 32748), (48, 32793), (49, 32799), (53, 32850), (57, 32889), (59, 32892), (60, 32904), (64, 32919), (66, 32943), (67, 32976), (70, 33057), (71, 33102), (72, 33150), (75, 33186), (76, 33195), (78, 33201), (87, 33426),

Gene: YouGoGlencoco_33 Start: 32368, Stop: 33528, Start Num: 22

Candidate Starts for YouGoGlencoco_33:

(Start: 22 @32368 has 228 MA's), (Start: 30 @32479 has 1 MA's), (34, 32524), (38, 32623), (40, 32683), (42, 32719), (44, 32743), (48, 32788), (49, 32794), (53, 32845), (57, 32884), (59, 32887), (60, 32899), (64, 32914), (66, 32938), (67, 32971), (70, 33052), (71, 33097), (72, 33145), (75, 33181), (76, 33190), (78, 33196), (87, 33421),

Gene: Zaider_34 Start: 32598, Stop: 33758, Start Num: 22

Candidate Starts for Zaider_34:

(Start: 22 @32598 has 228 MA's), (Start: 30 @32709 has 1 MA's), (34, 32754), (38, 32853), (40, 32913), (42, 32949), (44, 32973), (48, 33018), (49, 33024), (53, 33075), (57, 33114), (59, 33117), (60, 33129), (64, 33144), (66, 33168), (67, 33201), (70, 33282), (71, 33327), (72, 33375), (75, 33411), (76, 33420), (78, 33426), (87, 33651),

Gene: Zelda_33 Start: 32415, Stop: 33575, Start Num: 22

Candidate Starts for Zelda_33:

(Start: 22 @32415 has 228 MA's), (Start: 30 @32526 has 1 MA's), (34, 32571), (38, 32670), (40, 32730), (42, 32766), (44, 32790), (48, 32835), (49, 32841), (53, 32892), (57, 32931), (59, 32934), (60, 32946), (66, 32985), (67, 33018), (70, 33099), (71, 33144), (72, 33192), (75, 33228), (76, 33237), (78, 33243), (87, 33468),