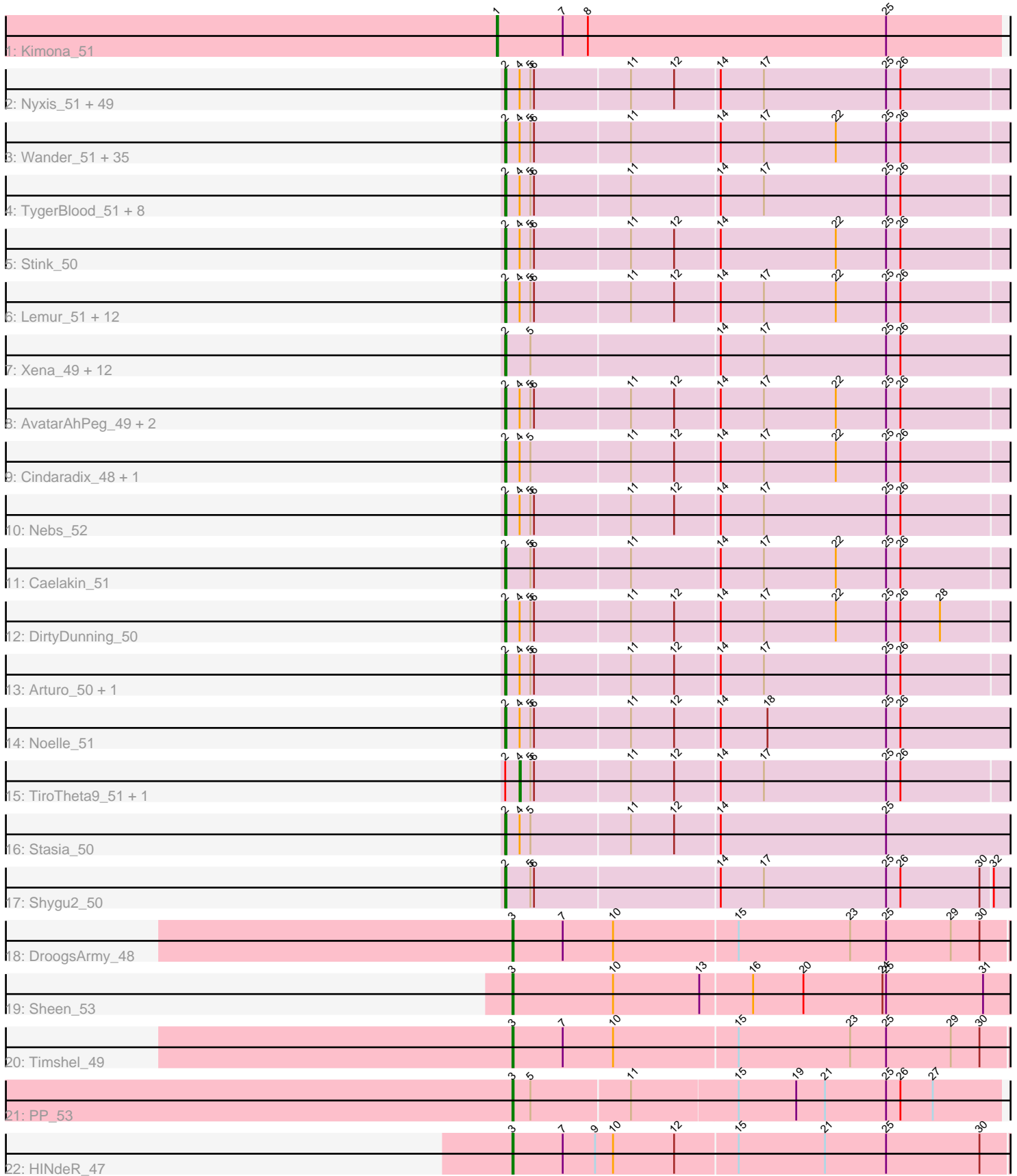


Zoomed Pham 169794



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 169794 Report

This analysis was run 07/09/24 on database version 566.

Pham number 169794 has 143 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Kimona_51
- Track 2 : Nyxis_51, Pipcraft_49, Polymorphads_52, Jaykayelowell_49, Koreni_50, BellusTerra_52, Medusa_51, Ulysses_50, Phelipe_52, Connomayer_51, Eros_51, LochMonster_52, Dhanush_51, Bartimeaus_51, Lunsford_52, Blackmoor_51, Citius_51, Obama12_52, Burger_49, Alberto7_52, Peaches_51, Baby16_51, Romney_51, Thanksgivukkah_50, Clarenza_50, Wizard007_51, Scamp_51, Tinybot_50, Phontbonne_51, Eurydice_52, Ohfah_52, Sabertooth_51, Druantia_51, TinaFeyge_51, Abdiel_51, Broseidon_51, Eagle_51, Sparxx_52, OKaNui_51, Holli_50, LeoAvram_51, Lorenzo_51, Florean_51, ICleared_51, Spino_50, Kingmustik0402_51, Bombshell_51, Wilbur_51, Relief_50, Melvin_53
- Track 3 : Wander_51, Maverick_51, Commander_51, LittleGuy_51, Nemo27_51, PeterPeter_51, Gadost_51, Avle17_51, NotAPhaseMom_51, Kyee_51, Chaph_51, KFPoly_50, Ruin_51, HamSlice_50, TroyPia_52, Morrow_52, Iceman_51, Phacado_51, Millski_50, Iracema64_52, Eapen_51, Houdini22_51, Flux_51, BubbleTrouble_50, Eris_50, Annyong_51, Funston_50, Palestino_50, Pumbaa_51, Cocoaberry_51, Roosevelt_50, MeeZee_51, YoSam321_51, JoongJeon_50, Mazhar510_51, NorthStar_50
- Track 4 : TygerBlood_51, LHTSCC_53, Cerulean_52, BangNhom_52, Happiness_50, Maxo_52, Kampy_51, SheldonCooper_53, ChampagnePapi_53
- Track 5 : Stink_50
- Track 6 : Lemur_51, JetBlade_51, LittleB_51, Bruiser_50, Deano_50, Albee_51, Shaka_51, Cintron_50, Skipitt_50, LappelDuVide_50, Taquarus_51, Camperdownii_49, Kremtemulon_49
- Track 7 : Xena_49, Datway_50, Bumblebee11_49, Cici_50, Backyardigan_49, Wile_50, AbbysRanger_50, PetiteSangsue_50, Perplexer_50, Katalie136_50, Badger_49, Achebe_49, Morpher26_50
- Track 8 : AvatarAhPeg_49, Phighter1804_51, Miramae_49
- Track 9 : Cindaradix_48, Mundrea_50
- Track 10 : Nebs_52
- Track 11 : Caelakin_51
- Track 12 : DirtyDunning_50
- Track 13 : Arturo_50, Kratak_51
- Track 14 : Noelle_51
- Track 15 : TiroTheta9_51, CentreCat_51
- Track 16 : Stasia_50
- Track 17 : Shygu2_50
- Track 18 : DroogsArmy_48

- Track 19 : Sheen_53
- Track 20 : Timshel_49
- Track 21 : PP_53
- Track 22 : HINdeR_47

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

The start number called the most often in the published annotations is 2, it was called in 133 of the 141 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbysRanger_50, Abdiel_51, Achebe_49, Albee_51, Alberto7_52, Annyong_51, Arturo_50, AvatarAhPeg_49, Avle17_51, Baby16_51, Backyardigan_49, Badger_49, BangNhom_52, Bartimeaus_51, BellusTerra_52, Blackmoor_51, Bombshell_51, Broseidon_51, Bruiser_50, BubbleTrouble_50, Bumblebee11_49, Burger_49, Caelakin_51, Camperdownii_49, Cerulean_52, ChampagnePapi_53, Chaph_51, Cici_50, Cindaradix_48, Cintron_50, Citius_51, Clarenza_50, Cocoaberry_51, Commander_51, Connomayer_51, Datway_50, Deano_50, Dhanush_51, DirtyDunning_50, Druantia_51, Eagle_51, Eapen_51, Eris_50, Eros_51, Eurydice_52, Florean_51, Flux_51, Funston_50, Gadost_51, HamSlice_50, Happiness_50, Holli_50, Houdini22_51, ICleared_51, Iceman_51, Iracema64_52, Jaykayelowell_49, JetBlade_51, JoongJeon_50, KFPoly_50, Kampy_51, Katalie136_50, Kingmustik0402_51, Koreni_50, Kratark_51, Kremtemulon_49, Kye_51, LHTSCC_53, LappelDuVide_50, Lemur_51, LeoAvram_51, LittleB_51, LittleGuy_51, LochMonster_52, Lorenzo_51, Lunsford_52, Maverick_51, Maxo_52, Mazhar510_51, Medusa_51, MeeZee_51, Melvin_53, Millski_50, Miramae_49, Morpher26_50, Morrow_52, Mundrea_50, Nebs_52, Nemo27_51, Noelle_51, NorthStar_50, NotAPhaseMom_51, Nyxis_51, OKaNui_51, Obama12_52, Ohfah_52, Palestino_50, Peaches_51, Perplexer_50, PeterPeter_51, PetiteSangsue_50, Phacado_51, Phelipe_52, Phighter1804_51, Phontbonne_51, Pipcraft_49, Polymorphads_52, Pumbaa_51, Relief_50, Romney_51, Roosevelt_50, Ruin_51, Sabertooth_51, Scamp_51, Shaka_51, SheldonCooper_53, Shygu2_50, Skipitt_50, Sparxx_52, Spino_50, Stasia_50, Stink_50, Taquarus_51, Thanksgivukkah_50, TinaFeyge_51, Tinybot_50, TroyPia_52, TygerBlood_51, Ulysses_50, Wander_51, Wilbur_51, Wile_50, Wizard007_51, Xena_49, YoSam321_51,

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

- CentreCat_51, TiroTheta9_51,

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

- DroogsArmy_48, HINdeR_47, Kimona_51, PP_53, Sheen_53, Timshel_49,

Summary by start number:

Start 1:

- Found in 1 of 143 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 141
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kimona_51 (A19),

Start 2:

- Found in 137 of 143 (95.8%) of genes in pham
- Manual Annotations of this start: 133 of 141
- Called 98.5% of time when present
- Phage (with cluster) where this start called: AbbysRanger_50 (A4), Abdiel_51 (A4), Achebe_49 (A4), Albee_51 (A4), Alberto7_52 (A4), Annyong_51 (A4), Arturo_50 (A4), AvatarAhPeg_49 (A4), Avle17_51 (A4), Baby16_51 (A4), Backyardigan_49 (A4), Badger_49 (A4), BangNhom_52 (A4), Bartimeaus_51 (A4), BellusTerra_52 (A4), Blackmoor_51 (A4), Bombshell_51 (A4), Broseidon_51 (A4), Bruiser_50 (A4), BubbleTrouble_50 (A4), Bumblebee11_49 (A4), Burger_49 (A4), Caelakin_51 (A4), Camperdownii_49 (A4), Cerulean_52 (A4), ChampagnePapi_53 (A4), Chaph_51 (A4), Cici_50 (A4), Cindaradix_48 (A4), Cintron_50 (A4), Citius_51 (A4), Clarenza_50 (A4), Cocoaberry_51 (A4), Commander_51 (A4), Connomayer_51 (A4), Datway_50 (A4), Deano_50 (A4), Dhanush_51 (A4), DirtyDunning_50 (A4), Druantia_51 (A4), Eagle_51 (A4), Eapen_51 (A4), Eris_50 (A4), Eros_51 (A4), Eurydice_52 (A4), Florean_51 (A4), Flux_51 (A4), Funston_50 (A4), Gadost_51 (A4), HamSlice_50 (A4), Happiness_50 (A4), Holli_50 (A4), Houdini22_51 (A4), ICleared_51 (A4), Iceman_51 (A4), Iracema64_52 (A4), Jaykayelowell_49 (A4), JetBlade_51 (A4), JoongJeon_50 (A4), KFPoly_50 (A4), Kamy_51 (A4), Katalie136_50 (A4), Kingmustik0402_51 (A4), Koreni_50 (A4), Kratark_51 (A4), Kremtemulon_49 (A4), Kyee_51 (A4), LHTSCC_53 (A4), LappelDuVide_50 (A4), Lemur_51 (A4), LeoAvram_51 (A4), LittleB_51 (A4), LittleGuy_51 (A4), LochMonster_52 (A4), Lorenzo_51 (A4), Lunsford_52 (A4), Maverick_51 (A4), Maxo_52 (A4), Mazhar510_51 (A4), Medusa_51 (A4), MeeZee_51 (A4), Melvin_53 (A4), Millski_50 (A4), Miramae_49 (A4), Morpher26_50 (A4), Morrow_52 (A4), Mundrea_50 (A4), Nebs_52 (A4), Nemo27_51 (A4), Noelle_51 (A4), NorthStar_50 (A4), NotAPhaseMom_51 (A4), Nyxis_51 (A4), OKaNui_51 (A4), Obama12_52 (A4), Ohfah_52 (A4), Palestino_50 (A4), Peaches_51 (A4), Perplexer_50 (A4), PeterPeter_51 (A4), PetiteSangsue_50 (A4), Phacado_51 (A4), Phelipe_52 (A4), Phighter1804_51 (A4), Phontbonne_51 (A4), Pipcraft_49 (A4), Polymorphads_52 (A4), Pumbaa_51 (A4), Relief_50 (A4), Romney_51 (A4), Roosevelt_50 (A4), Ruin_51 (A4), Sabertooth_51 (A4), Scamp_51 (A4), Shaka_51 (A4), SheldonCooper_53 (A4), Shygu2_50 (A4), Skipitt_50 (A4), Sparxx_52 (A4), Spino_50 (A4), Stasia_50 (A4), Stink_50 (A4), Taquarus_51 (A4), Thanksgivukkah_50 (A4), TinaFeyge_51 (A4), Tinybot_50 (A4), TroyPia_52 (A4), TygerBlood_51 (A4), Ulysses_50 (A4), Wander_51 (A4), Wilbur_51 (A4), Wile_50 (A4), Wizard007_51 (A4), Xena_49 (A4), YoSam321_51 (A4),

Start 3:

- Found in 5 of 143 (3.5%) of genes in pham
- Manual Annotations of this start: 5 of 141
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DroogsArmy_48 (A7), HINdeR_47 (A7), PP_53 (A7), Sheen_53 (A7), Timshel_49 (A7),

Start 4:

- Found in 122 of 143 (85.3%) of genes in pham
- Manual Annotations of this start: 2 of 141
- Called 1.6% of time when present
- Phage (with cluster) where this start called: CentreCat_51 (A4), TiroTheta9_51 (A4),

Summary by clusters:

There are 3 clusters represented in this pham: A19, A4, A7,

Info for manual annotations of cluster A19:

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

Info for manual annotations of cluster A4:

- Start number 2 was manually annotated 133 times for cluster A4.
- Start number 4 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A7:

- Start number 3 was manually annotated 5 times for cluster A7.

Gene Information:

Gene: AbbysRanger_50 Start: 36304, Stop: 35420, Start Num: 2

Candidate Starts for AbbysRanger_50:

(Start: 2 @36304 has 133 MA's), (5, 36283), (14, 36130), (17, 36094), (25, 35992), (26, 35980), (40, 35830), (48, 35698), (49, 35659), (56, 35590), (59, 35563), (62, 35515), (65, 35479), (66, 35440), (67, 35437),

Gene: Abdiel_51 Start: 36342, Stop: 35446, Start Num: 2

Candidate Starts for Abdiel_51:

(Start: 2 @36342 has 133 MA's), (Start: 4 @36330 has 2 MA's), (5, 36321), (6, 36318), (11, 36240), (12, 36204), (14, 36168), (17, 36132), (25, 36030), (26, 36018), (48, 35724), (49, 35685), (56, 35616), (58, 35595), (59, 35589), (62, 35541), (67, 35463),

Gene: Achebe_49 Start: 36287, Stop: 35403, Start Num: 2

Candidate Starts for Achebe_49:

(Start: 2 @36287 has 133 MA's), (5, 36266), (14, 36113), (17, 36077), (25, 35975), (26, 35963), (40, 35813), (48, 35681), (49, 35642), (56, 35573), (59, 35546), (62, 35498), (65, 35462), (66, 35423), (67, 35420),

Gene: Albee_51 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Albee_51:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (12, 36203), (14, 36167), (17, 36131), (22, 36071), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Alberto7_52 Start: 36678, Stop: 35782, Start Num: 2

Candidate Starts for Alberto7_52:

(Start: 2 @36678 has 133 MA's), (Start: 4 @36666 has 2 MA's), (5, 36657), (6, 36654), (11, 36576), (12, 36540), (14, 36504), (17, 36468), (25, 36366), (26, 36354), (48, 36060), (49, 36021), (56, 35952), (58, 35931), (59, 35925), (62, 35877), (67, 35799),

Gene: Annyong_51 Start: 36386, Stop: 35490, Start Num: 2

Candidate Starts for Annyong_51:

(Start: 2 @36386 has 133 MA's), (Start: 4 @36374 has 2 MA's), (5, 36365), (6, 36362), (11, 36284), (14, 36212), (17, 36176), (22, 36116), (25, 36074), (26, 36062), (48, 35768), (49, 35729), (56, 35660), (58, 35639), (59, 35633), (62, 35585), (67, 35507),

Gene: Arturo_50 Start: 36613, Stop: 35717, Start Num: 2

Candidate Starts for Arturo_50:

(Start: 2 @36613 has 133 MA's), (Start: 4 @36601 has 2 MA's), (5, 36592), (6, 36589), (11, 36511), (12, 36475), (14, 36439), (17, 36403), (25, 36301), (26, 36289), (48, 35995), (49, 35956), (56, 35887), (58, 35866), (59, 35860), (62, 35812), (63, 35809), (65, 35776), (66, 35737), (67, 35734),

Gene: AvatarAhPeg_49 Start: 36126, Stop: 35230, Start Num: 2

Candidate Starts for AvatarAhPeg_49:

(Start: 2 @36126 has 133 MA's), (Start: 4 @36114 has 2 MA's), (5, 36105), (6, 36102), (11, 36024), (12, 35988), (14, 35952), (17, 35916), (22, 35856), (25, 35814), (26, 35802), (48, 35508), (49, 35469), (56, 35400), (58, 35379), (59, 35373), (62, 35325), (63, 35322), (65, 35289), (66, 35250), (67, 35247),

Gene: Avle17_51 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for Avle17_51:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (14, 36164), (17, 36128), (22, 36068), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: Baby16_51 Start: 36352, Stop: 35456, Start Num: 2

Candidate Starts for Baby16_51:

(Start: 2 @36352 has 133 MA's), (Start: 4 @36340 has 2 MA's), (5, 36331), (6, 36328), (11, 36250), (12, 36214), (14, 36178), (17, 36142), (25, 36040), (26, 36028), (48, 35734), (49, 35695), (56, 35626), (58, 35605), (59, 35599), (62, 35551), (67, 35473),

Gene: Backyardigan_49 Start: 36320, Stop: 35436, Start Num: 2

Candidate Starts for Backyardigan_49:

(Start: 2 @36320 has 133 MA's), (5, 36299), (14, 36146), (17, 36110), (25, 36008), (26, 35996), (40, 35846), (48, 35714), (49, 35675), (56, 35606), (59, 35579), (62, 35531), (65, 35495), (66, 35456), (67, 35453),

Gene: Badger_49 Start: 36288, Stop: 35404, Start Num: 2

Candidate Starts for Badger_49:

(Start: 2 @36288 has 133 MA's), (5, 36267), (14, 36114), (17, 36078), (25, 35976), (26, 35964), (40, 35814), (48, 35682), (49, 35643), (56, 35574), (59, 35547), (62, 35499), (65, 35463), (66, 35424), (67, 35421),

Gene: BangNhom_52 Start: 36777, Stop: 35881, Start Num: 2

Candidate Starts for BangNhom_52:

(Start: 2 @36777 has 133 MA's), (Start: 4 @36765 has 2 MA's), (5, 36756), (6, 36753), (11, 36675), (14, 36603), (17, 36567), (25, 36465), (26, 36453), (48, 36159), (49, 36120), (56, 36051), (58, 36030), (59, 36024), (62, 35976), (67, 35898),

Gene: Bartimeaus_51 Start: 36343, Stop: 35447, Start Num: 2

Candidate Starts for Bartimeaus_51:

(Start: 2 @36343 has 133 MA's), (Start: 4 @36331 has 2 MA's), (5, 36322), (6, 36319), (11, 36241), (12, 36205), (14, 36169), (17, 36133), (25, 36031), (26, 36019), (48, 35725), (49, 35686), (56, 35617), (58, 35596), (59, 35590), (62, 35542), (67, 35464),

Gene: BellusTerra_52 Start: 36342, Stop: 35446, Start Num: 2

Candidate Starts for BellusTerra_52:

(Start: 2 @36342 has 133 MA's), (Start: 4 @36330 has 2 MA's), (5, 36321), (6, 36318), (11, 36240), (12, 36204), (14, 36168), (17, 36132), (25, 36030), (26, 36018), (48, 35724), (49, 35685), (56, 35616), (58, 35595), (59, 35589), (62, 35541), (67, 35463),

Gene: Blackmoor_51 Start: 36343, Stop: 35447, Start Num: 2

Candidate Starts for Blackmoor_51:

(Start: 2 @36343 has 133 MA's), (Start: 4 @36331 has 2 MA's), (5, 36322), (6, 36319), (11, 36241), (12, 36205), (14, 36169), (17, 36133), (25, 36031), (26, 36019), (48, 35725), (49, 35686), (56, 35617), (58, 35596), (59, 35590), (62, 35542), (67, 35464),

Gene: Bombshell_51 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for Bombshell_51:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (12, 36200), (14, 36164), (17, 36128), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: Broseidon_51 Start: 36343, Stop: 35447, Start Num: 2

Candidate Starts for Broseidon_51:

(Start: 2 @36343 has 133 MA's), (Start: 4 @36331 has 2 MA's), (5, 36322), (6, 36319), (11, 36241), (12, 36205), (14, 36169), (17, 36133), (25, 36031), (26, 36019), (48, 35725), (49, 35686), (56, 35617), (58, 35596), (59, 35590), (62, 35542), (67, 35464),

Gene: Bruiser_50 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Bruiser_50:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (12, 36203), (14, 36167), (17, 36131), (22, 36071), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: BubbleTrouble_50 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for BubbleTrouble_50:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (14, 36167), (17, 36131), (22, 36071), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Bumblebee11_49 Start: 36290, Stop: 35406, Start Num: 2

Candidate Starts for Bumblebee11_49:

(Start: 2 @36290 has 133 MA's), (5, 36269), (14, 36116), (17, 36080), (25, 35978), (26, 35966), (40, 35816), (48, 35684), (49, 35645), (56, 35576), (59, 35549), (62, 35501), (65, 35465), (66, 35426), (67, 35423),

Gene: Burger_49 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Burger_49:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (12, 36203), (14, 36167), (17, 36131), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Caelakin_51 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Caelakin_51:

(Start: 2 @36341 has 133 MA's), (5, 36320), (6, 36317), (11, 36239), (14, 36167), (17, 36131), (22, 36071), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Camperdownii_49 Start: 36015, Stop: 35119, Start Num: 2

Candidate Starts for Camperdownii_49:

(Start: 2 @36015 has 133 MA's), (Start: 4 @36003 has 2 MA's), (5, 35994), (6, 35991), (11, 35913), (12, 35877), (14, 35841), (17, 35805), (22, 35745), (25, 35703), (26, 35691), (48, 35397), (49, 35358), (56, 35289), (58, 35268), (59, 35262), (62, 35214), (67, 35136),

Gene: CentreCat_51 Start: 36332, Stop: 35448, Start Num: 4

Candidate Starts for CentreCat_51:

(Start: 2 @36344 has 133 MA's), (Start: 4 @36332 has 2 MA's), (5, 36323), (6, 36320), (11, 36242), (12, 36206), (14, 36170), (17, 36134), (25, 36032), (26, 36020), (48, 35726), (49, 35687), (56, 35618), (58, 35597), (59, 35591), (62, 35543), (67, 35465),

Gene: Cerulean_52 Start: 36778, Stop: 35882, Start Num: 2

Candidate Starts for Cerulean_52:

(Start: 2 @36778 has 133 MA's), (Start: 4 @36766 has 2 MA's), (5, 36757), (6, 36754), (11, 36676), (14, 36604), (17, 36568), (25, 36466), (26, 36454), (48, 36160), (49, 36121), (56, 36052), (58, 36031), (59, 36025), (62, 35977), (67, 35899),

Gene: ChampagnePapi_53 Start: 36777, Stop: 35881, Start Num: 2

Candidate Starts for ChampagnePapi_53:

(Start: 2 @36777 has 133 MA's), (Start: 4 @36765 has 2 MA's), (5, 36756), (6, 36753), (11, 36675), (14, 36603), (17, 36567), (25, 36465), (26, 36453), (48, 36159), (49, 36120), (56, 36051), (58, 36030), (59, 36024), (62, 35976), (67, 35898),

Gene: Chaph_51 Start: 36352, Stop: 35456, Start Num: 2

Candidate Starts for Chaph_51:

(Start: 2 @36352 has 133 MA's), (Start: 4 @36340 has 2 MA's), (5, 36331), (6, 36328), (11, 36250), (14, 36178), (17, 36142), (22, 36082), (25, 36040), (26, 36028), (48, 35734), (49, 35695), (56, 35626), (58, 35605), (59, 35599), (62, 35551), (67, 35473),

Gene: Cici_50 Start: 36305, Stop: 35421, Start Num: 2

Candidate Starts for Cici_50:

(Start: 2 @36305 has 133 MA's), (5, 36284), (14, 36131), (17, 36095), (25, 35993), (26, 35981), (40, 35831), (48, 35699), (49, 35660), (56, 35591), (59, 35564), (62, 35516), (65, 35480), (66, 35441), (67, 35438),

Gene: Cindaradix_48 Start: 35971, Stop: 35075, Start Num: 2

Candidate Starts for Cindaradix_48:

(Start: 2 @35971 has 133 MA's), (Start: 4 @35959 has 2 MA's), (5, 35950), (11, 35869), (12, 35833), (14, 35797), (17, 35761), (22, 35701), (25, 35659), (26, 35647), (48, 35353), (49, 35314), (56, 35245), (58, 35224), (59, 35218), (62, 35170), (63, 35167), (65, 35134), (67, 35092),

Gene: Cintron_50 Start: 36318, Stop: 35422, Start Num: 2

Candidate Starts for Cintron_50:

(Start: 2 @36318 has 133 MA's), (Start: 4 @36306 has 2 MA's), (5, 36297), (6, 36294), (11, 36216), (12, 36180), (14, 36144), (17, 36108), (22, 36048), (25, 36006), (26, 35994), (48, 35700), (49, 35661), (56, 35592), (58, 35571), (59, 35565), (62, 35517), (67, 35439),

Gene: Citius_51 Start: 36362, Stop: 35466, Start Num: 2

Candidate Starts for Citius_51:

(Start: 2 @36362 has 133 MA's), (Start: 4 @36350 has 2 MA's), (5, 36341), (6, 36338), (11, 36260), (12, 36224), (14, 36188), (17, 36152), (25, 36050), (26, 36038), (48, 35744), (49, 35705), (56, 35636), (58, 35615), (59, 35609), (62, 35561), (67, 35483),

Gene: Clarenza_50 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for Clarenza_50:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (12, 36200), (14, 36164), (17, 36128), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612),

(58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: Cocoaberry_51 Start: 36345, Stop: 35449, Start Num: 2

Candidate Starts for Cocoaberry_51:

(Start: 2 @36345 has 133 MA's), (Start: 4 @36333 has 2 MA's), (5, 36324), (6, 36321), (11, 36243), (14, 36171), (17, 36135), (22, 36075), (25, 36033), (26, 36021), (48, 35727), (49, 35688), (56, 35619), (58, 35598), (59, 35592), (62, 35544), (67, 35466),

Gene: Commander_51 Start: 36340, Stop: 35444, Start Num: 2

Candidate Starts for Commander_51:

(Start: 2 @36340 has 133 MA's), (Start: 4 @36328 has 2 MA's), (5, 36319), (6, 36316), (11, 36238), (14, 36166), (17, 36130), (22, 36070), (25, 36028), (26, 36016), (48, 35722), (49, 35683), (56, 35614), (58, 35593), (59, 35587), (62, 35539), (67, 35461),

Gene: Connomayer_51 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Connomayer_51:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (12, 36203), (14, 36167), (17, 36131), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Datway_50 Start: 36276, Stop: 35392, Start Num: 2

Candidate Starts for Datway_50:

(Start: 2 @36276 has 133 MA's), (5, 36255), (14, 36102), (17, 36066), (25, 35964), (26, 35952), (40, 35802), (48, 35670), (49, 35631), (56, 35562), (59, 35535), (62, 35487), (65, 35451), (66, 35412), (67, 35409),

Gene: Deano_50 Start: 36349, Stop: 35453, Start Num: 2

Candidate Starts for Deano_50:

(Start: 2 @36349 has 133 MA's), (Start: 4 @36337 has 2 MA's), (5, 36328), (6, 36325), (11, 36247), (12, 36211), (14, 36175), (17, 36139), (22, 36079), (25, 36037), (26, 36025), (48, 35731), (49, 35692), (56, 35623), (58, 35602), (59, 35596), (62, 35548), (67, 35470),

Gene: Dhanush_51 Start: 36344, Stop: 35448, Start Num: 2

Candidate Starts for Dhanush_51:

(Start: 2 @36344 has 133 MA's), (Start: 4 @36332 has 2 MA's), (5, 36323), (6, 36320), (11, 36242), (12, 36206), (14, 36170), (17, 36134), (25, 36032), (26, 36020), (48, 35726), (49, 35687), (56, 35618), (58, 35597), (59, 35591), (62, 35543), (67, 35465),

Gene: DirtyDunning_50 Start: 36353, Stop: 35457, Start Num: 2

Candidate Starts for DirtyDunning_50:

(Start: 2 @36353 has 133 MA's), (Start: 4 @36341 has 2 MA's), (5, 36332), (6, 36329), (11, 36251), (12, 36215), (14, 36179), (17, 36143), (22, 36083), (25, 36041), (26, 36029), (28, 35996), (48, 35735), (49, 35696), (56, 35627), (58, 35606), (59, 35600), (62, 35552), (66, 35477), (67, 35474),

Gene: DroogsArmy_48 Start: 37473, Stop: 36574, Start Num: 3

Candidate Starts for DroogsArmy_48:

(Start: 3 @37473 has 5 MA's), (7, 37431), (10, 37389), (15, 37287), (23, 37194), (25, 37164), (29, 37110), (30, 37086), (36, 37032), (38, 37011), (41, 36975), (47, 36861), (48, 36858), (49, 36819), (50, 36804), (52, 36789), (55, 36750), (57, 36738), (61, 36690), (62, 36669), (65, 36633), (66, 36594), (67, 36591), (68, 36579),

Gene: Druantia_51 Start: 36344, Stop: 35448, Start Num: 2

Candidate Starts for Druantia_51:

(Start: 2 @36344 has 133 MA's), (Start: 4 @36332 has 2 MA's), (5, 36323), (6, 36320), (11, 36242), (12, 36206), (14, 36170), (17, 36134), (25, 36032), (26, 36020), (48, 35726), (49, 35687), (56, 35618), (58, 35597), (59, 35591), (62, 35543), (67, 35465),

Gene: Eagle_51 Start: 36366, Stop: 35470, Start Num: 2

Candidate Starts for Eagle_51:

(Start: 2 @36366 has 133 MA's), (Start: 4 @36354 has 2 MA's), (5, 36345), (6, 36342), (11, 36264), (12, 36228), (14, 36192), (17, 36156), (25, 36054), (26, 36042), (48, 35748), (49, 35709), (56, 35640), (58, 35619), (59, 35613), (62, 35565), (67, 35487),

Gene: Eapen_51 Start: 36336, Stop: 35440, Start Num: 2

Candidate Starts for Eapen_51:

(Start: 2 @36336 has 133 MA's), (Start: 4 @36324 has 2 MA's), (5, 36315), (6, 36312), (11, 36234), (14, 36162), (17, 36126), (22, 36066), (25, 36024), (26, 36012), (48, 35718), (49, 35679), (56, 35610), (58, 35589), (59, 35583), (62, 35535), (67, 35457),

Gene: Eris_50 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Eris_50:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (14, 36167), (17, 36131), (22, 36071), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Eros_51 Start: 36343, Stop: 35447, Start Num: 2

Candidate Starts for Eros_51:

(Start: 2 @36343 has 133 MA's), (Start: 4 @36331 has 2 MA's), (5, 36322), (6, 36319), (11, 36241), (12, 36205), (14, 36169), (17, 36133), (25, 36031), (26, 36019), (48, 35725), (49, 35686), (56, 35617), (58, 35596), (59, 35590), (62, 35542), (67, 35464),

Gene: Eurydice_52 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for Eurydice_52:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (12, 36200), (14, 36164), (17, 36128), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: Florean_51 Start: 36340, Stop: 35444, Start Num: 2

Candidate Starts for Florean_51:

(Start: 2 @36340 has 133 MA's), (Start: 4 @36328 has 2 MA's), (5, 36319), (6, 36316), (11, 36238), (12, 36202), (14, 36166), (17, 36130), (25, 36028), (26, 36016), (48, 35722), (49, 35683), (56, 35614), (58, 35593), (59, 35587), (62, 35539), (67, 35461),

Gene: Flux_51 Start: 36340, Stop: 35444, Start Num: 2

Candidate Starts for Flux_51:

(Start: 2 @36340 has 133 MA's), (Start: 4 @36328 has 2 MA's), (5, 36319), (6, 36316), (11, 36238), (14, 36166), (17, 36130), (22, 36070), (25, 36028), (26, 36016), (48, 35722), (49, 35683), (56, 35614), (58, 35593), (59, 35587), (62, 35539), (67, 35461),

Gene: Funston_50 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Funston_50:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (14, 36167), (17, 36131), (22, 36071), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Gadost_51 Start: 36345, Stop: 35449, Start Num: 2

Candidate Starts for Gadost_51:

(Start: 2 @36345 has 133 MA's), (Start: 4 @36333 has 2 MA's), (5, 36324), (6, 36321), (11, 36243), (14, 36171), (17, 36135), (22, 36075), (25, 36033), (26, 36021), (48, 35727), (49, 35688), (56, 35619), (58, 35598), (59, 35592), (62, 35544), (67, 35466),

Gene: HINdeR_47 Start: 37135, Stop: 36236, Start Num: 3

Candidate Starts for HINdeR_47:

(Start: 3 @37135 has 5 MA's), (7, 37093), (9, 37066), (10, 37051), (12, 37000), (15, 36949), (21, 36877), (25, 36826), (30, 36748), (36, 36694), (39, 36670), (41, 36637), (48, 36520), (49, 36481), (50, 36466), (54, 36415), (55, 36412), (57, 36400), (59, 36379), (62, 36331), (65, 36295), (66, 36256), (67, 36253), (68, 36241),

Gene: HamSlice_50 Start: 36339, Stop: 35443, Start Num: 2

Candidate Starts for HamSlice_50:

(Start: 2 @36339 has 133 MA's), (Start: 4 @36327 has 2 MA's), (5, 36318), (6, 36315), (11, 36237), (14, 36165), (17, 36129), (22, 36069), (25, 36027), (26, 36015), (48, 35721), (49, 35682), (56, 35613), (58, 35592), (59, 35586), (62, 35538), (67, 35460),

Gene: Happiness_50 Start: 36360, Stop: 35464, Start Num: 2

Candidate Starts for Happiness_50:

(Start: 2 @36360 has 133 MA's), (Start: 4 @36348 has 2 MA's), (5, 36339), (6, 36336), (11, 36258), (14, 36186), (17, 36150), (25, 36048), (26, 36036), (48, 35742), (49, 35703), (56, 35634), (58, 35613), (59, 35607), (62, 35559), (67, 35481),

Gene: Holli_50 Start: 36131, Stop: 35235, Start Num: 2

Candidate Starts for Holli_50:

(Start: 2 @36131 has 133 MA's), (Start: 4 @36119 has 2 MA's), (5, 36110), (6, 36107), (11, 36029), (12, 35993), (14, 35957), (17, 35921), (25, 35819), (26, 35807), (48, 35513), (49, 35474), (56, 35405), (58, 35384), (59, 35378), (62, 35330), (67, 35252),

Gene: Houdini22_51 Start: 36345, Stop: 35449, Start Num: 2

Candidate Starts for Houdini22_51:

(Start: 2 @36345 has 133 MA's), (Start: 4 @36333 has 2 MA's), (5, 36324), (6, 36321), (11, 36243), (14, 36171), (17, 36135), (22, 36075), (25, 36033), (26, 36021), (48, 35727), (49, 35688), (56, 35619), (58, 35598), (59, 35592), (62, 35544), (67, 35466),

Gene: ICleared_51 Start: 36370, Stop: 35474, Start Num: 2

Candidate Starts for ICleared_51:

(Start: 2 @36370 has 133 MA's), (Start: 4 @36358 has 2 MA's), (5, 36349), (6, 36346), (11, 36268), (12, 36232), (14, 36196), (17, 36160), (25, 36058), (26, 36046), (48, 35752), (49, 35713), (56, 35644), (58, 35623), (59, 35617), (62, 35569), (67, 35491),

Gene: Iceman_51 Start: 36627, Stop: 35731, Start Num: 2

Candidate Starts for Iceman_51:

(Start: 2 @36627 has 133 MA's), (Start: 4 @36615 has 2 MA's), (5, 36606), (6, 36603), (11, 36525), (14, 36453), (17, 36417), (22, 36357), (25, 36315), (26, 36303), (48, 36009), (49, 35970), (56, 35901), (58, 35880), (59, 35874), (62, 35826), (67, 35748),

Gene: Iracema64_52 Start: 36605, Stop: 35709, Start Num: 2

Candidate Starts for Iracema64_52:

(Start: 2 @36605 has 133 MA's), (Start: 4 @36593 has 2 MA's), (5, 36584), (6, 36581), (11, 36503), (14, 36431), (17, 36395), (22, 36335), (25, 36293), (26, 36281), (48, 35987), (49, 35948), (56, 35879), (58, 35858), (59, 35852), (62, 35804), (67, 35726),

Gene: Jaykayelowell_49 Start: 36334, Stop: 35438, Start Num: 2

Candidate Starts for Jaykayelowell_49:

(Start: 2 @36334 has 133 MA's), (Start: 4 @36322 has 2 MA's), (5, 36313), (6, 36310), (11, 36232), (12, 36196), (14, 36160), (17, 36124), (25, 36022), (26, 36010), (48, 35716), (49, 35677), (56, 35608), (58, 35587), (59, 35581), (62, 35533), (67, 35455),

Gene: JetBlade_51 Start: 36335, Stop: 35439, Start Num: 2

Candidate Starts for JetBlade_51:

(Start: 2 @36335 has 133 MA's), (Start: 4 @36323 has 2 MA's), (5, 36314), (6, 36311), (11, 36233), (12, 36197), (14, 36161), (17, 36125), (22, 36065), (25, 36023), (26, 36011), (48, 35717), (49, 35678), (56, 35609), (58, 35588), (59, 35582), (62, 35534), (67, 35456),

Gene: JoongJeon_50 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for JoongJeon_50:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (14, 36164), (17, 36128), (22, 36068), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: KFPoly_50 Start: 36335, Stop: 35439, Start Num: 2

Candidate Starts for KFPoly_50:

(Start: 2 @36335 has 133 MA's), (Start: 4 @36323 has 2 MA's), (5, 36314), (6, 36311), (11, 36233), (14, 36161), (17, 36125), (22, 36065), (25, 36023), (26, 36011), (48, 35717), (49, 35678), (56, 35609), (58, 35588), (59, 35582), (62, 35534), (67, 35456),

Gene: Kampy_51 Start: 36343, Stop: 35447, Start Num: 2

Candidate Starts for Kampy_51:

(Start: 2 @36343 has 133 MA's), (Start: 4 @36331 has 2 MA's), (5, 36322), (6, 36319), (11, 36241), (14, 36169), (17, 36133), (25, 36031), (26, 36019), (48, 35725), (49, 35686), (56, 35617), (58, 35596), (59, 35590), (62, 35542), (67, 35464),

Gene: Katalie136_50 Start: 36290, Stop: 35406, Start Num: 2

Candidate Starts for Katalie136_50:

(Start: 2 @36290 has 133 MA's), (5, 36269), (14, 36116), (17, 36080), (25, 35978), (26, 35966), (40, 35816), (48, 35684), (49, 35645), (56, 35576), (59, 35549), (62, 35501), (65, 35465), (66, 35426), (67, 35423),

Gene: Kimona_51 Start: 34953, Stop: 34051, Start Num: 1

Candidate Starts for Kimona_51:

(Start: 1 @34953 has 1 MA's), (7, 34899), (8, 34878), (25, 34629), (33, 34533), (43, 34419), (44, 34398), (48, 34335), (49, 34296), (50, 34281), (52, 34266), (53, 34257), (59, 34194), (60, 34179), (61, 34167), (62, 34146), (63, 34143), (65, 34110), (67, 34068),

Gene: Kingmustik0402_51 Start: 36330, Stop: 35434, Start Num: 2

Candidate Starts for Kingmustik0402_51:

(Start: 2 @36330 has 133 MA's), (Start: 4 @36318 has 2 MA's), (5, 36309), (6, 36306), (11, 36228), (12, 36192), (14, 36156), (17, 36120), (25, 36018), (26, 36006), (48, 35712), (49, 35673), (56, 35604), (58, 35583), (59, 35577), (62, 35529), (67, 35451),

Gene: Koreni_50 Start: 36022, Stop: 35126, Start Num: 2

Candidate Starts for Koreni_50:

(Start: 2 @36022 has 133 MA's), (Start: 4 @36010 has 2 MA's), (5, 36001), (6, 35998), (11, 35920), (12, 35884), (14, 35848), (17, 35812), (25, 35710), (26, 35698), (48, 35404), (49, 35365), (56, 35296),

(58, 35275), (59, 35269), (62, 35221), (67, 35143),

Gene: Kratark_51 Start: 36496, Stop: 35600, Start Num: 2

Candidate Starts for Kratark_51:

(Start: 2 @36496 has 133 MA's), (Start: 4 @36484 has 2 MA's), (5, 36475), (6, 36472), (11, 36394), (12, 36358), (14, 36322), (17, 36286), (25, 36184), (26, 36172), (48, 35878), (49, 35839), (56, 35770), (58, 35749), (59, 35743), (62, 35695), (63, 35692), (65, 35659), (66, 35620), (67, 35617),

Gene: Kremtemulon_49 Start: 36289, Stop: 35393, Start Num: 2

Candidate Starts for Kremtemulon_49:

(Start: 2 @36289 has 133 MA's), (Start: 4 @36277 has 2 MA's), (5, 36268), (6, 36265), (11, 36187), (12, 36151), (14, 36115), (17, 36079), (22, 36019), (25, 35977), (26, 35965), (48, 35671), (49, 35632), (56, 35563), (58, 35542), (59, 35536), (62, 35488), (67, 35410),

Gene: Kyee_51 Start: 36339, Stop: 35443, Start Num: 2

Candidate Starts for Kyee_51:

(Start: 2 @36339 has 133 MA's), (Start: 4 @36327 has 2 MA's), (5, 36318), (6, 36315), (11, 36237), (14, 36165), (17, 36129), (22, 36069), (25, 36027), (26, 36015), (48, 35721), (49, 35682), (56, 35613), (58, 35592), (59, 35586), (62, 35538), (67, 35460),

Gene: LHTSCC_53 Start: 36777, Stop: 35881, Start Num: 2

Candidate Starts for LHTSCC_53:

(Start: 2 @36777 has 133 MA's), (Start: 4 @36765 has 2 MA's), (5, 36756), (6, 36753), (11, 36675), (14, 36603), (17, 36567), (25, 36465), (26, 36453), (48, 36159), (49, 36120), (56, 36051), (58, 36030), (59, 36024), (62, 35976), (67, 35898),

Gene: LappelDuVide_50 Start: 36340, Stop: 35444, Start Num: 2

Candidate Starts for LappelDuVide_50:

(Start: 2 @36340 has 133 MA's), (Start: 4 @36328 has 2 MA's), (5, 36319), (6, 36316), (11, 36238), (12, 36202), (14, 36166), (17, 36130), (22, 36070), (25, 36028), (26, 36016), (48, 35722), (49, 35683), (56, 35614), (58, 35593), (59, 35587), (62, 35539), (67, 35461),

Gene: Lemur_51 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for Lemur_51:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (12, 36200), (14, 36164), (17, 36128), (22, 36068), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: LeoAvram_51 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for LeoAvram_51:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (12, 36203), (14, 36167), (17, 36131), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: LittleB_51 Start: 36342, Stop: 35446, Start Num: 2

Candidate Starts for LittleB_51:

(Start: 2 @36342 has 133 MA's), (Start: 4 @36330 has 2 MA's), (5, 36321), (6, 36318), (11, 36240), (12, 36204), (14, 36168), (17, 36132), (22, 36072), (25, 36030), (26, 36018), (48, 35724), (49, 35685), (56, 35616), (58, 35595), (59, 35589), (62, 35541), (67, 35463),

Gene: LittleGuy_51 Start: 36237, Stop: 35341, Start Num: 2

Candidate Starts for LittleGuy_51:

(Start: 2 @36237 has 133 MA's), (Start: 4 @36225 has 2 MA's), (5, 36216), (6, 36213), (11, 36135), (14, 36063), (17, 36027), (22, 35967), (25, 35925), (26, 35913), (48, 35619), (49, 35580), (56, 35511), (58, 35490), (59, 35484), (62, 35436), (67, 35358),

Gene: LochMonster_52 Start: 36577, Stop: 35681, Start Num: 2

Candidate Starts for LochMonster_52:

(Start: 2 @36577 has 133 MA's), (Start: 4 @36565 has 2 MA's), (5, 36556), (6, 36553), (11, 36475), (12, 36439), (14, 36403), (17, 36367), (25, 36265), (26, 36253), (48, 35959), (49, 35920), (56, 35851), (58, 35830), (59, 35824), (62, 35776), (67, 35698),

Gene: Lorenzo_51 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Lorenzo_51:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (12, 36203), (14, 36167), (17, 36131), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Lunsford_52 Start: 36335, Stop: 35439, Start Num: 2

Candidate Starts for Lunsford_52:

(Start: 2 @36335 has 133 MA's), (Start: 4 @36323 has 2 MA's), (5, 36314), (6, 36311), (11, 36233), (12, 36197), (14, 36161), (17, 36125), (25, 36023), (26, 36011), (48, 35717), (49, 35678), (56, 35609), (58, 35588), (59, 35582), (62, 35534), (67, 35456),

Gene: Maverick_51 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Maverick_51:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (14, 36167), (17, 36131), (22, 36071), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Maxo_52 Start: 36343, Stop: 35447, Start Num: 2

Candidate Starts for Maxo_52:

(Start: 2 @36343 has 133 MA's), (Start: 4 @36331 has 2 MA's), (5, 36322), (6, 36319), (11, 36241), (14, 36169), (17, 36133), (25, 36031), (26, 36019), (48, 35725), (49, 35686), (56, 35617), (58, 35596), (59, 35590), (62, 35542), (67, 35464),

Gene: Mazhar510_51 Start: 36342, Stop: 35446, Start Num: 2

Candidate Starts for Mazhar510_51:

(Start: 2 @36342 has 133 MA's), (Start: 4 @36330 has 2 MA's), (5, 36321), (6, 36318), (11, 36240), (14, 36168), (17, 36132), (22, 36072), (25, 36030), (26, 36018), (48, 35724), (49, 35685), (56, 35616), (58, 35595), (59, 35589), (62, 35541), (67, 35463),

Gene: Medusa_51 Start: 36340, Stop: 35444, Start Num: 2

Candidate Starts for Medusa_51:

(Start: 2 @36340 has 133 MA's), (Start: 4 @36328 has 2 MA's), (5, 36319), (6, 36316), (11, 36238), (12, 36202), (14, 36166), (17, 36130), (25, 36028), (26, 36016), (48, 35722), (49, 35683), (56, 35614), (58, 35593), (59, 35587), (62, 35539), (67, 35461),

Gene: MeeZee_51 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for MeeZee_51:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (14, 36164), (17, 36128), (22, 36068), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: Melvin_53 Start: 36336, Stop: 35440, Start Num: 2

Candidate Starts for Melvin_53:

(Start: 2 @36336 has 133 MA's), (Start: 4 @36324 has 2 MA's), (5, 36315), (6, 36312), (11, 36234), (12, 36198), (14, 36162), (17, 36126), (25, 36024), (26, 36012), (48, 35718), (49, 35679), (56, 35610), (58, 35589), (59, 35583), (62, 35535), (67, 35457),

Gene: Millski_50 Start: 36342, Stop: 35446, Start Num: 2

Candidate Starts for Millski_50:

(Start: 2 @36342 has 133 MA's), (Start: 4 @36330 has 2 MA's), (5, 36321), (6, 36318), (11, 36240), (14, 36168), (17, 36132), (22, 36072), (25, 36030), (26, 36018), (48, 35724), (49, 35685), (56, 35616), (58, 35595), (59, 35589), (62, 35541), (67, 35463),

Gene: Miramae_49 Start: 35788, Stop: 34892, Start Num: 2

Candidate Starts for Miramae_49:

(Start: 2 @35788 has 133 MA's), (Start: 4 @35776 has 2 MA's), (5, 35767), (6, 35764), (11, 35686), (12, 35650), (14, 35614), (17, 35578), (22, 35518), (25, 35476), (26, 35464), (48, 35170), (49, 35131), (56, 35062), (58, 35041), (59, 35035), (62, 34987), (63, 34984), (65, 34951), (66, 34912), (67, 34909),

Gene: Morpher26_50 Start: 36311, Stop: 35427, Start Num: 2

Candidate Starts for Morpher26_50:

(Start: 2 @36311 has 133 MA's), (5, 36290), (14, 36137), (17, 36101), (25, 35999), (26, 35987), (40, 35837), (48, 35705), (49, 35666), (56, 35597), (59, 35570), (62, 35522), (65, 35486), (66, 35447), (67, 35444),

Gene: Morrow_52 Start: 36347, Stop: 35451, Start Num: 2

Candidate Starts for Morrow_52:

(Start: 2 @36347 has 133 MA's), (Start: 4 @36335 has 2 MA's), (5, 36326), (6, 36323), (11, 36245), (14, 36173), (17, 36137), (22, 36077), (25, 36035), (26, 36023), (48, 35729), (49, 35690), (56, 35621), (58, 35600), (59, 35594), (62, 35546), (67, 35468),

Gene: Mundrea_50 Start: 36337, Stop: 35441, Start Num: 2

Candidate Starts for Mundrea_50:

(Start: 2 @36337 has 133 MA's), (Start: 4 @36325 has 2 MA's), (5, 36316), (11, 36235), (12, 36199), (14, 36163), (17, 36127), (22, 36067), (25, 36025), (26, 36013), (48, 35719), (49, 35680), (56, 35611), (58, 35590), (59, 35584), (62, 35536), (63, 35533), (65, 35500), (67, 35458),

Gene: Nebs_52 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Nebs_52:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (12, 36203), (14, 36167), (17, 36131), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (66, 35465), (67, 35462),

Gene: Nemo27_51 Start: 36340, Stop: 35444, Start Num: 2

Candidate Starts for Nemo27_51:

(Start: 2 @36340 has 133 MA's), (Start: 4 @36328 has 2 MA's), (5, 36319), (6, 36316), (11, 36238), (14, 36166), (17, 36130), (22, 36070), (25, 36028), (26, 36016), (48, 35722), (49, 35683), (56, 35614), (58, 35593), (59, 35587), (62, 35539), (67, 35461),

Gene: Noelle_51 Start: 36615, Stop: 35719, Start Num: 2

Candidate Starts for Noelle_51:

(Start: 2 @36615 has 133 MA's), (Start: 4 @36603 has 2 MA's), (5, 36594), (6, 36591), (11, 36513), (12, 36477), (14, 36441), (18, 36402), (25, 36303), (26, 36291), (48, 35997), (49, 35958), (56, 35889), (58, 35868), (59, 35862), (62, 35814), (63, 35811), (65, 35778), (66, 35739), (67, 35736),

Gene: NorthStar_50 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for NorthStar_50:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (14, 36167), (17, 36131), (22, 36071), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: NotAPhaseMom_51 Start: 36345, Stop: 35449, Start Num: 2

Candidate Starts for NotAPhaseMom_51:

(Start: 2 @36345 has 133 MA's), (Start: 4 @36333 has 2 MA's), (5, 36324), (6, 36321), (11, 36243), (14, 36171), (17, 36135), (22, 36075), (25, 36033), (26, 36021), (48, 35727), (49, 35688), (56, 35619), (58, 35598), (59, 35592), (62, 35544), (67, 35466),

Gene: Nyxis_51 Start: 36231, Stop: 35335, Start Num: 2

Candidate Starts for Nyxis_51:

(Start: 2 @36231 has 133 MA's), (Start: 4 @36219 has 2 MA's), (5, 36210), (6, 36207), (11, 36129), (12, 36093), (14, 36057), (17, 36021), (25, 35919), (26, 35907), (48, 35613), (49, 35574), (56, 35505), (58, 35484), (59, 35478), (62, 35430), (67, 35352),

Gene: OKaNui_51 Start: 36391, Stop: 35495, Start Num: 2

Candidate Starts for OKaNui_51:

(Start: 2 @36391 has 133 MA's), (Start: 4 @36379 has 2 MA's), (5, 36370), (6, 36367), (11, 36289), (12, 36253), (14, 36217), (17, 36181), (25, 36079), (26, 36067), (48, 35773), (49, 35734), (56, 35665), (58, 35644), (59, 35638), (62, 35590), (67, 35512),

Gene: Obama12_52 Start: 36761, Stop: 35865, Start Num: 2

Candidate Starts for Obama12_52:

(Start: 2 @36761 has 133 MA's), (Start: 4 @36749 has 2 MA's), (5, 36740), (6, 36737), (11, 36659), (12, 36623), (14, 36587), (17, 36551), (25, 36449), (26, 36437), (48, 36143), (49, 36104), (56, 36035), (58, 36014), (59, 36008), (62, 35960), (67, 35882),

Gene: Ohfah_52 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Ohfah_52:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (12, 36203), (14, 36167), (17, 36131), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: PP_53 Start: 39933, Stop: 39049, Start Num: 3

Candidate Starts for PP_53:

(Start: 3 @39933 has 5 MA's), (5, 39918), (11, 39837), (15, 39750), (19, 39702), (21, 39678), (25, 39627), (26, 39615), (27, 39588), (33, 39531), (41, 39450), (42, 39438), (48, 39333), (49, 39294), (50, 39279), (53, 39255), (54, 39228), (55, 39225), (59, 39192), (60, 39177), (61, 39165), (62, 39144), (64, 39123), (65, 39108), (66, 39069), (67, 39066),

Gene: Palestino_50 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Palestino_50:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (14, 36167), (17, 36131), (22, 36071), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Peaches_51 Start: 36340, Stop: 35444, Start Num: 2

Candidate Starts for Peaches_51:

(Start: 2 @36340 has 133 MA's), (Start: 4 @36328 has 2 MA's), (5, 36319), (6, 36316), (11, 36238), (12, 36202), (14, 36166), (17, 36130), (25, 36028), (26, 36016), (48, 35722), (49, 35683), (56, 35614),

(58, 35593), (59, 35587), (62, 35539), (67, 35461),

Gene: Perplexer_50 Start: 36287, Stop: 35403, Start Num: 2

Candidate Starts for Perplexer_50:

(Start: 2 @36287 has 133 MA's), (5, 36266), (14, 36113), (17, 36077), (25, 35975), (26, 35963), (40, 35813), (48, 35681), (49, 35642), (56, 35573), (59, 35546), (62, 35498), (65, 35462), (66, 35423), (67, 35420),

Gene: PeterPeter_51 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for PeterPeter_51:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (14, 36164), (17, 36128), (22, 36068), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: PetiteSangsue_50 Start: 36290, Stop: 35406, Start Num: 2

Candidate Starts for PetiteSangsue_50:

(Start: 2 @36290 has 133 MA's), (5, 36269), (14, 36116), (17, 36080), (25, 35978), (26, 35966), (40, 35816), (48, 35684), (49, 35645), (56, 35576), (59, 35549), (62, 35501), (65, 35465), (66, 35426), (67, 35423),

Gene: Phacado_51 Start: 36340, Stop: 35444, Start Num: 2

Candidate Starts for Phacado_51:

(Start: 2 @36340 has 133 MA's), (Start: 4 @36328 has 2 MA's), (5, 36319), (6, 36316), (11, 36238), (14, 36166), (17, 36130), (22, 36070), (25, 36028), (26, 36016), (48, 35722), (49, 35683), (56, 35614), (58, 35593), (59, 35587), (62, 35539), (67, 35461),

Gene: Phelipe_52 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Phelipe_52:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (12, 36203), (14, 36167), (17, 36131), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Phighter1804_51 Start: 36402, Stop: 35506, Start Num: 2

Candidate Starts for Phighter1804_51:

(Start: 2 @36402 has 133 MA's), (Start: 4 @36390 has 2 MA's), (5, 36381), (6, 36378), (11, 36300), (12, 36264), (14, 36228), (17, 36192), (22, 36132), (25, 36090), (26, 36078), (48, 35784), (49, 35745), (56, 35676), (58, 35655), (59, 35649), (62, 35601), (63, 35598), (65, 35565), (66, 35526), (67, 35523),

Gene: Phontbonne_51 Start: 36232, Stop: 35336, Start Num: 2

Candidate Starts for Phontbonne_51:

(Start: 2 @36232 has 133 MA's), (Start: 4 @36220 has 2 MA's), (5, 36211), (6, 36208), (11, 36130), (12, 36094), (14, 36058), (17, 36022), (25, 35920), (26, 35908), (48, 35614), (49, 35575), (56, 35506), (58, 35485), (59, 35479), (62, 35431), (67, 35353),

Gene: Pipcraft_49 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Pipcraft_49:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (12, 36203), (14, 36167), (17, 36131), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Polymorphads_52 Start: 36334, Stop: 35438, Start Num: 2

Candidate Starts for Polymorphads_52:

(Start: 2 @36334 has 133 MA's), (Start: 4 @36322 has 2 MA's), (5, 36313), (6, 36310), (11, 36232), (12, 36196), (14, 36160), (17, 36124), (25, 36022), (26, 36010), (48, 35716), (49, 35677), (56, 35608), (58, 35587), (59, 35581), (62, 35533), (67, 35455),

Gene: Pumbaa_51 Start: 36286, Stop: 35390, Start Num: 2

Candidate Starts for Pumbaa_51:

(Start: 2 @36286 has 133 MA's), (Start: 4 @36274 has 2 MA's), (5, 36265), (6, 36262), (11, 36184), (14, 36112), (17, 36076), (22, 36016), (25, 35974), (26, 35962), (48, 35668), (49, 35629), (56, 35560), (58, 35539), (59, 35533), (62, 35485), (67, 35407),

Gene: Relief_50 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for Relief_50:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (12, 36200), (14, 36164), (17, 36128), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: Romney_51 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for Romney_51:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (12, 36200), (14, 36164), (17, 36128), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: Roosevelt_50 Start: 36343, Stop: 35447, Start Num: 2

Candidate Starts for Roosevelt_50:

(Start: 2 @36343 has 133 MA's), (Start: 4 @36331 has 2 MA's), (5, 36322), (6, 36319), (11, 36241), (14, 36169), (17, 36133), (22, 36073), (25, 36031), (26, 36019), (48, 35725), (49, 35686), (56, 35617), (58, 35596), (59, 35590), (62, 35542), (67, 35464),

Gene: Ruin_51 Start: 36334, Stop: 35438, Start Num: 2

Candidate Starts for Ruin_51:

(Start: 2 @36334 has 133 MA's), (Start: 4 @36322 has 2 MA's), (5, 36313), (6, 36310), (11, 36232), (14, 36160), (17, 36124), (22, 36064), (25, 36022), (26, 36010), (48, 35716), (49, 35677), (56, 35608), (58, 35587), (59, 35581), (62, 35533), (67, 35455),

Gene: Sabertooth_51 Start: 36343, Stop: 35447, Start Num: 2

Candidate Starts for Sabertooth_51:

(Start: 2 @36343 has 133 MA's), (Start: 4 @36331 has 2 MA's), (5, 36322), (6, 36319), (11, 36241), (12, 36205), (14, 36169), (17, 36133), (25, 36031), (26, 36019), (48, 35725), (49, 35686), (56, 35617), (58, 35596), (59, 35590), (62, 35542), (67, 35464),

Gene: Scamp_51 Start: 36343, Stop: 35447, Start Num: 2

Candidate Starts for Scamp_51:

(Start: 2 @36343 has 133 MA's), (Start: 4 @36331 has 2 MA's), (5, 36322), (6, 36319), (11, 36241), (12, 36205), (14, 36169), (17, 36133), (25, 36031), (26, 36019), (48, 35725), (49, 35686), (56, 35617), (58, 35596), (59, 35590), (62, 35542), (67, 35464),

Gene: Shaka_51 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for Shaka_51:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (12, 36200), (14, 36164), (17, 36128), (22, 36068), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: Sheen_53 Start: 38761, Stop: 37871, Start Num: 3

Candidate Starts for Sheen_53:

(Start: 3 @38761 has 5 MA's), (10, 38677), (13, 38605), (16, 38563), (20, 38521), (24, 38455), (25, 38452), (31, 38371), (35, 38341), (36, 38320), (37, 38308), (39, 38296), (41, 38263), (44, 38209), (45, 38197), (46, 38167), (48, 38146), (49, 38107), (50, 38092), (51, 38089), (59, 38014), (62, 37966), (65, 37930), (67, 37888),

Gene: SheldonCooper_53 Start: 36778, Stop: 35882, Start Num: 2

Candidate Starts for SheldonCooper_53:

(Start: 2 @36778 has 133 MA's), (Start: 4 @36766 has 2 MA's), (5, 36757), (6, 36754), (11, 36676), (14, 36604), (17, 36568), (25, 36466), (26, 36454), (48, 36160), (49, 36121), (56, 36052), (58, 36031), (59, 36025), (62, 35977), (67, 35899),

Gene: Shygu2_50 Start: 36314, Stop: 35418, Start Num: 2

Candidate Starts for Shygu2_50:

(Start: 2 @36314 has 133 MA's), (5, 36293), (6, 36290), (14, 36140), (17, 36104), (25, 36002), (26, 35990), (30, 35924), (32, 35915), (34, 35894), (40, 35828), (48, 35696), (49, 35657), (56, 35588), (58, 35567), (59, 35561), (62, 35513), (65, 35477), (67, 35435),

Gene: Skipitt_50 Start: 36335, Stop: 35439, Start Num: 2

Candidate Starts for Skipitt_50:

(Start: 2 @36335 has 133 MA's), (Start: 4 @36323 has 2 MA's), (5, 36314), (6, 36311), (11, 36233), (12, 36197), (14, 36161), (17, 36125), (22, 36065), (25, 36023), (26, 36011), (48, 35717), (49, 35678), (56, 35609), (58, 35588), (59, 35582), (62, 35534), (67, 35456),

Gene: Sparxx_52 Start: 36336, Stop: 35440, Start Num: 2

Candidate Starts for Sparxx_52:

(Start: 2 @36336 has 133 MA's), (Start: 4 @36324 has 2 MA's), (5, 36315), (6, 36312), (11, 36234), (12, 36198), (14, 36162), (17, 36126), (25, 36024), (26, 36012), (48, 35718), (49, 35679), (56, 35610), (58, 35589), (59, 35583), (62, 35535), (67, 35457),

Gene: Spino_50 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for Spino_50:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (12, 36203), (14, 36167), (17, 36131), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Stasia_50 Start: 36217, Stop: 35321, Start Num: 2

Candidate Starts for Stasia_50:

(Start: 2 @36217 has 133 MA's), (Start: 4 @36205 has 2 MA's), (5, 36196), (11, 36115), (12, 36079), (14, 36043), (25, 35905), (48, 35599), (49, 35560), (56, 35491), (59, 35464), (62, 35416), (63, 35413), (67, 35338),

Gene: Stink_50 Start: 36068, Stop: 35172, Start Num: 2

Candidate Starts for Stink_50:

(Start: 2 @36068 has 133 MA's), (Start: 4 @36056 has 2 MA's), (5, 36047), (6, 36044), (11, 35966), (12, 35930), (14, 35894), (22, 35798), (25, 35756), (26, 35744), (48, 35450), (49, 35411), (56, 35342), (58, 35321), (59, 35315), (62, 35267), (63, 35264), (65, 35231), (66, 35192), (67, 35189),

Gene: Taquarus_51 Start: 36344, Stop: 35448, Start Num: 2

Candidate Starts for Taquarus_51:

(Start: 2 @36344 has 133 MA's), (Start: 4 @36332 has 2 MA's), (5, 36323), (6, 36320), (11, 36242), (12, 36206), (14, 36170), (17, 36134), (22, 36074), (25, 36032), (26, 36020), (48, 35726), (49, 35687), (56, 35618), (58, 35597), (59, 35591), (62, 35543), (67, 35465),

Gene: Thanksgivukkah_50 Start: 36339, Stop: 35443, Start Num: 2

Candidate Starts for Thanksgivukkah_50:

(Start: 2 @36339 has 133 MA's), (Start: 4 @36327 has 2 MA's), (5, 36318), (6, 36315), (11, 36237), (12, 36201), (14, 36165), (17, 36129), (25, 36027), (26, 36015), (48, 35721), (49, 35682), (56, 35613), (58, 35592), (59, 35586), (62, 35538), (67, 35460),

Gene: Timshel_49 Start: 37554, Stop: 36655, Start Num: 3

Candidate Starts for Timshel_49:

(Start: 3 @37554 has 5 MA's), (7, 37512), (10, 37470), (15, 37368), (23, 37275), (25, 37245), (29, 37191), (30, 37167), (36, 37113), (38, 37092), (41, 37056), (47, 36942), (48, 36939), (49, 36900), (50, 36885), (52, 36870), (55, 36831), (57, 36819), (62, 36750), (65, 36714), (66, 36675), (67, 36672), (68, 36660),

Gene: TinaFeyge_51 Start: 36336, Stop: 35440, Start Num: 2

Candidate Starts for TinaFeyge_51:

(Start: 2 @36336 has 133 MA's), (Start: 4 @36324 has 2 MA's), (5, 36315), (6, 36312), (11, 36234), (12, 36198), (14, 36162), (17, 36126), (25, 36024), (26, 36012), (48, 35718), (49, 35679), (56, 35610), (58, 35589), (59, 35583), (62, 35535), (67, 35457),

Gene: Tinybot_50 Start: 36368, Stop: 35472, Start Num: 2

Candidate Starts for Tinybot_50:

(Start: 2 @36368 has 133 MA's), (Start: 4 @36356 has 2 MA's), (5, 36347), (6, 36344), (11, 36266), (12, 36230), (14, 36194), (17, 36158), (25, 36056), (26, 36044), (48, 35750), (49, 35711), (56, 35642), (58, 35621), (59, 35615), (62, 35567), (67, 35489),

Gene: TiroTheta9_51 Start: 36323, Stop: 35439, Start Num: 4

Candidate Starts for TiroTheta9_51:

(Start: 2 @36335 has 133 MA's), (Start: 4 @36323 has 2 MA's), (5, 36314), (6, 36311), (11, 36233), (12, 36197), (14, 36161), (17, 36125), (25, 36023), (26, 36011), (48, 35717), (49, 35678), (56, 35609), (58, 35588), (59, 35582), (62, 35534), (67, 35456),

Gene: TroyPia_52 Start: 36339, Stop: 35443, Start Num: 2

Candidate Starts for TroyPia_52:

(Start: 2 @36339 has 133 MA's), (Start: 4 @36327 has 2 MA's), (5, 36318), (6, 36315), (11, 36237), (14, 36165), (17, 36129), (22, 36069), (25, 36027), (26, 36015), (48, 35721), (49, 35682), (56, 35613), (58, 35592), (59, 35586), (62, 35538), (67, 35460),

Gene: TygerBlood_51 Start: 36341, Stop: 35445, Start Num: 2

Candidate Starts for TygerBlood_51:

(Start: 2 @36341 has 133 MA's), (Start: 4 @36329 has 2 MA's), (5, 36320), (6, 36317), (11, 36239), (14, 36167), (17, 36131), (25, 36029), (26, 36017), (48, 35723), (49, 35684), (56, 35615), (58, 35594), (59, 35588), (62, 35540), (67, 35462),

Gene: Ulysses_50 Start: 36018, Stop: 35122, Start Num: 2

Candidate Starts for Ulysses_50:

(Start: 2 @36018 has 133 MA's), (Start: 4 @36006 has 2 MA's), (5, 35997), (6, 35994), (11, 35916), (12, 35880), (14, 35844), (17, 35808), (25, 35706), (26, 35694), (48, 35400), (49, 35361), (56, 35292), (58, 35271), (59, 35265), (62, 35217), (67, 35139),

Gene: Wander_51 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for Wander_51:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (14, 36164), (17, 36128), (22, 36068), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: Wilbur_51 Start: 36338, Stop: 35442, Start Num: 2

Candidate Starts for Wilbur_51:

(Start: 2 @36338 has 133 MA's), (Start: 4 @36326 has 2 MA's), (5, 36317), (6, 36314), (11, 36236), (12, 36200), (14, 36164), (17, 36128), (25, 36026), (26, 36014), (48, 35720), (49, 35681), (56, 35612), (58, 35591), (59, 35585), (62, 35537), (67, 35459),

Gene: Wile_50 Start: 36321, Stop: 35437, Start Num: 2

Candidate Starts for Wile_50:

(Start: 2 @36321 has 133 MA's), (5, 36300), (14, 36147), (17, 36111), (25, 36009), (26, 35997), (40, 35847), (48, 35715), (49, 35676), (56, 35607), (59, 35580), (62, 35532), (65, 35496), (66, 35457), (67, 35454),

Gene: Wizard007_51 Start: 36346, Stop: 35450, Start Num: 2

Candidate Starts for Wizard007_51:

(Start: 2 @36346 has 133 MA's), (Start: 4 @36334 has 2 MA's), (5, 36325), (6, 36322), (11, 36244), (12, 36208), (14, 36172), (17, 36136), (25, 36034), (26, 36022), (48, 35728), (49, 35689), (56, 35620), (58, 35599), (59, 35593), (62, 35545), (67, 35467),

Gene: Xena_49 Start: 36287, Stop: 35403, Start Num: 2

Candidate Starts for Xena_49:

(Start: 2 @36287 has 133 MA's), (5, 36266), (14, 36113), (17, 36077), (25, 35975), (26, 35963), (40, 35813), (48, 35681), (49, 35642), (56, 35573), (59, 35546), (62, 35498), (65, 35462), (66, 35423), (67, 35420),

Gene: YoSam321_51 Start: 36335, Stop: 35439, Start Num: 2

Candidate Starts for YoSam321_51:

(Start: 2 @36335 has 133 MA's), (Start: 4 @36323 has 2 MA's), (5, 36314), (6, 36311), (11, 36233), (14, 36161), (17, 36125), (22, 36065), (25, 36023), (26, 36011), (48, 35717), (49, 35678), (56, 35609), (58, 35588), (59, 35582), (62, 35534), (67, 35456),