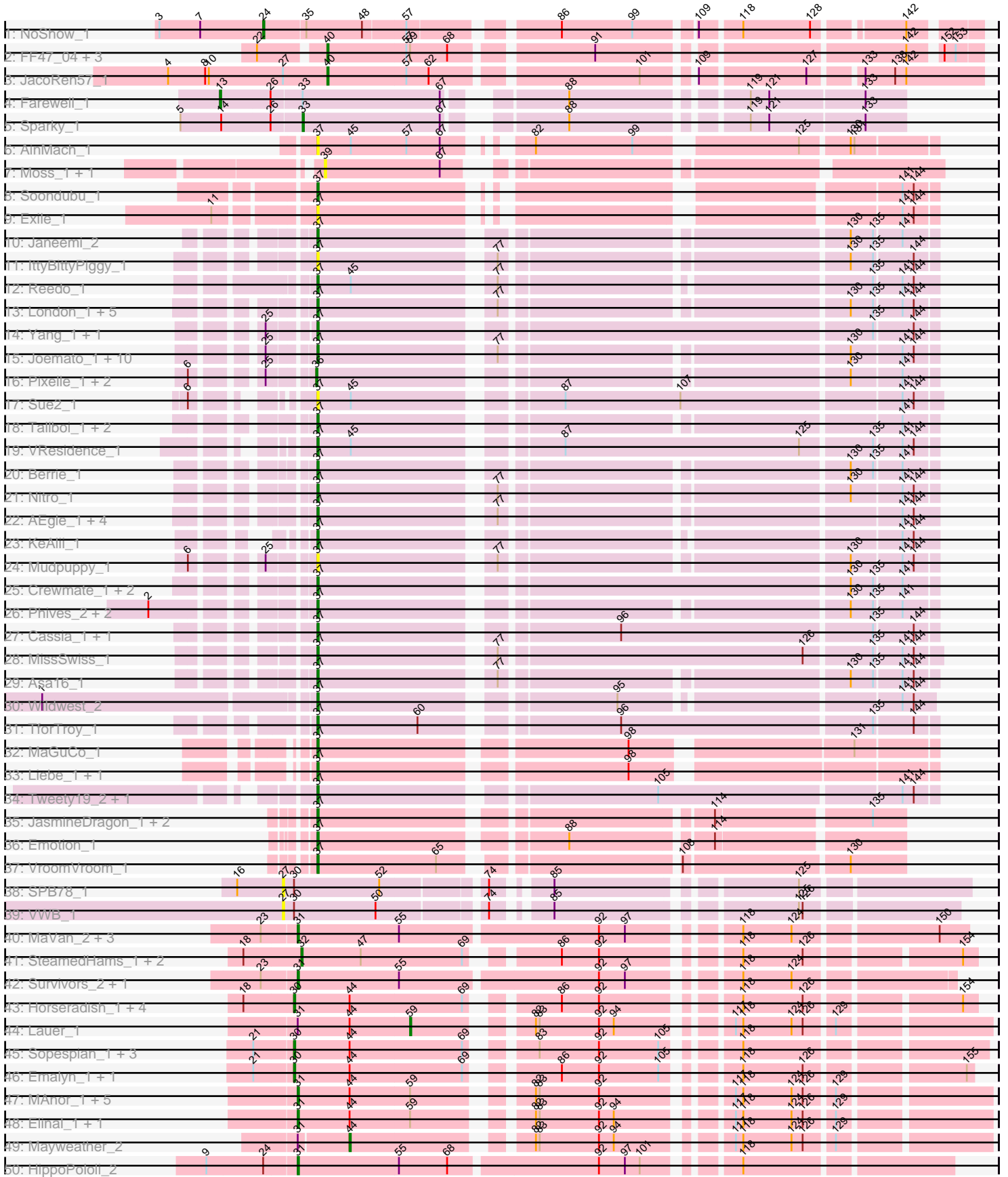
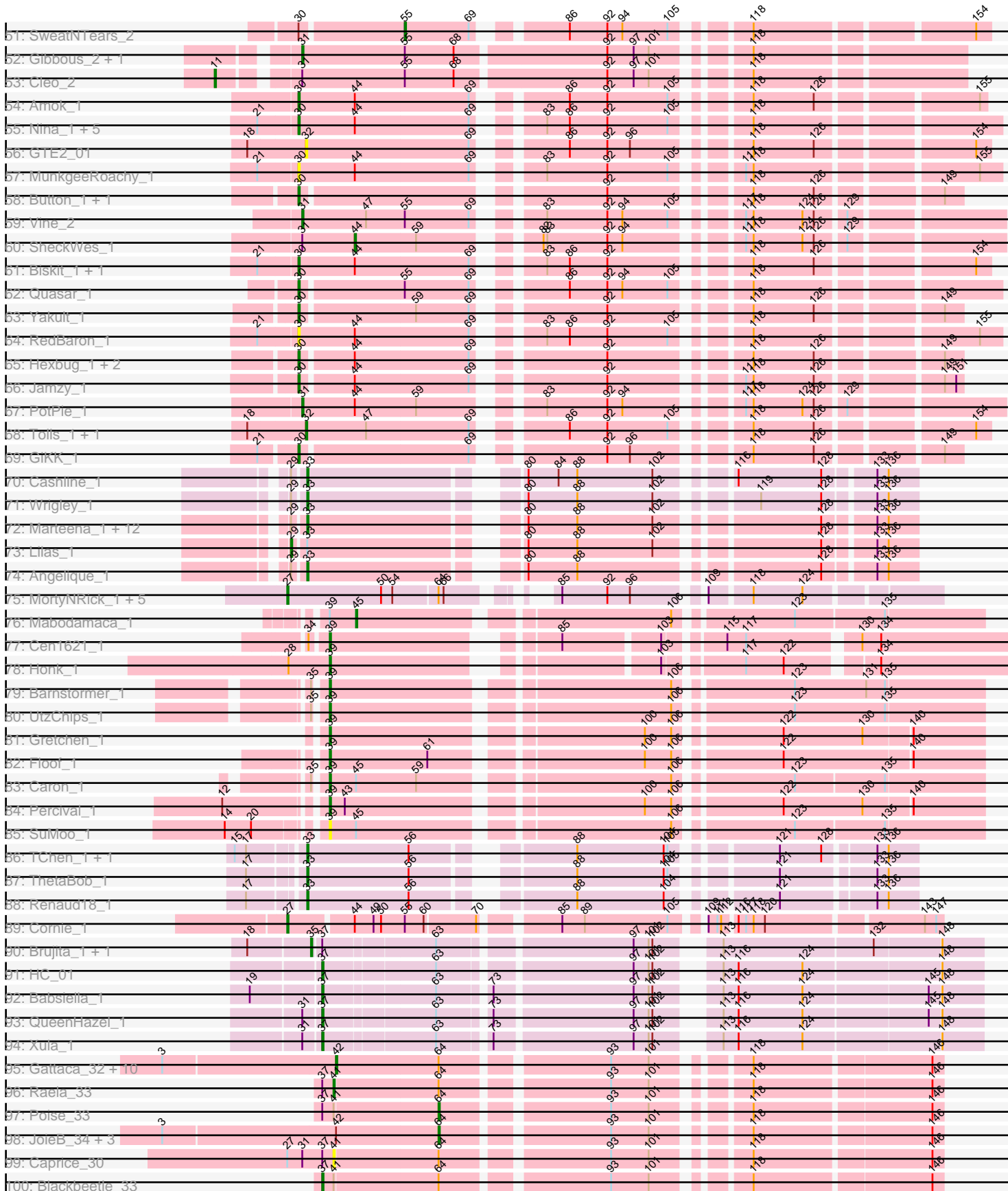


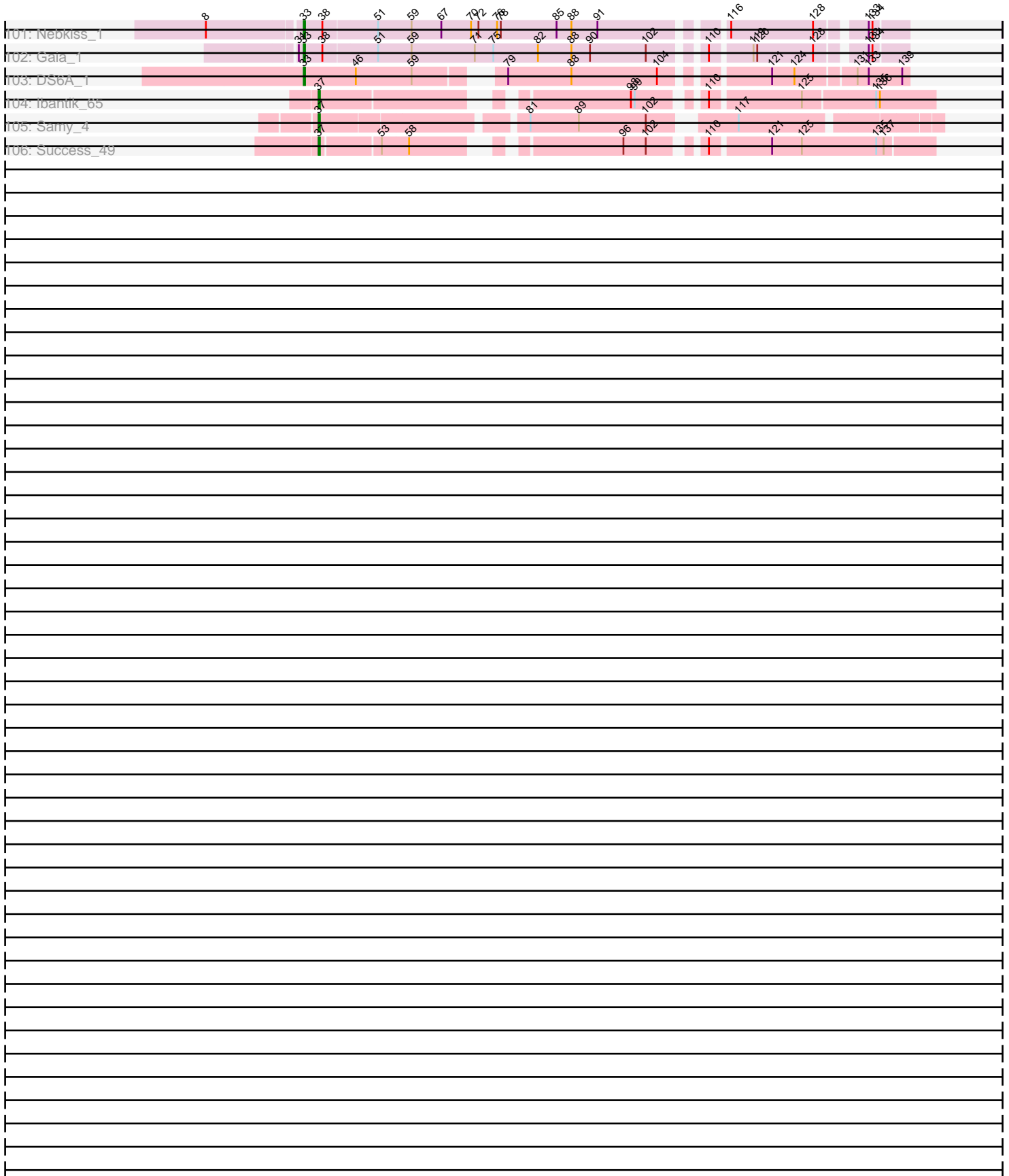
Pham 171200



Pham 171200



Pham 171200



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 171200 Report

This analysis was run 07/10/24 on database version 566.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 171200 has 206 members, 38 are drafts.

Phages represented in each track:

- Track 1 : NoShow_1
- Track 2 : FF47_04, Muddy_4, 8UZL_4, Maco6_2
- Track 3 : JacoRen57_1
- Track 4 : Farewell_1
- Track 5 : Sparky_1
- Track 6 : AinMach_1
- Track 7 : Moss_1, Halsey_1
- Track 8 : Soondubu_1
- Track 9 : Exile_1
- Track 10 : Janeemi_2
- Track 11 : IttyBittyPiggy_1
- Track 12 : Reedo_1
- Track 13 : London_1, Eraser_1, Elezi_1, Lizalica_1, Niobe_1, Jstan_1
- Track 14 : Yang_1, JuneStar_1
- Track 15 : Joemato_1, Warda_1, Cyan_1, YesChef_1, Tbone_1, JohnDoe_1, Kaylissa_1, Tutumahutu_1, Simpson_1, Lego_1, Powerpuff_1
- Track 16 : Pixelle_1, Amyev_1, Tian_1
- Track 17 : Sue2_1
- Track 18 : Tallboi_1, DrSierra_1, ObiToo_1
- Track 19 : VResidence_1
- Track 20 : Berrie_1
- Track 21 : Nitro_1
- Track 22 : AEgle_1, DrManhattan_1, Turab_1, Adolin_1, Adumb2043_1
- Track 23 : KeAlii_1
- Track 24 : Mudpuppy_1
- Track 25 : Crewmate_1, Iter_1, Ascela_1
- Track 26 : Phives_2, Community_2, Tuck_2
- Track 27 : Cassia_1, Pumpkins_1
- Track 28 : MissSwiss_1
- Track 29 : Asa16_1
- Track 30 : Wildwest_2
- Track 31 : TforTroy_1
- Track 32 : MaGuCo_1

- Track 33 : Liebe_1, Maureen_1
- Track 34 : Tweety19_2, Snek_2
- Track 35 : JasmineDragon_1, ShakeltOph_1, MiniMommy_1
- Track 36 : Emotion_1
- Track 37 : VroomVroom_1
- Track 38 : SPB78_1
- Track 39 : VWB_1
- Track 40 : MaVan_2, Zareef_2, Azira_2, Nibbles_2
- Track 41 : SteamedHams_1, AndPeggy_1, BillDoor_1
- Track 42 : Survivors_2, Fribs8_2
- Track 43 : Horseradish_1, Troje_1, MScarn_1, Buttrmlkdreams_1, Yummy_1
- Track 44 : Lauer_1
- Track 45 : Sopespian_1, PsychoKiller_1, Burnsey_1, Elliott_1
- Track 46 : Emalyn_1, AikoCarson_1
- Track 47 : MAnor_1, BigChungus_1, Feastonyeet_1, SummitAcademy_1, CherryonLim_1, Pons_1
- Track 48 : Elinal_1, KayGee_1
- Track 49 : Mayweather_2
- Track 50 : HippoPololi_2
- Track 51 : SweatNTears_2
- Track 52 : Gibbous_2, Dre3_2
- Track 53 : Cleo_2
- Track 54 : Amok_1
- Track 55 : Nina_1, Cozz_1, Agatha_1, Typhonmarchy_1, GoldHunter_1, Axym_1
- Track 56 : GTE2_01
- Track 57 : MunkgeeRoachy_1
- Track 58 : Button_1, Margaret_1
- Track 59 : Vine_2
- Track 60 : SheckWes_1
- Track 61 : Biskit_1, SketchMex_1
- Track 62 : Quasar_1
- Track 63 : Yakult_1
- Track 64 : RedBaron_1
- Track 65 : Hexbug_1, Orla_1, Nodigi_1
- Track 66 : Jamzy_1
- Track 67 : PotPie_1
- Track 68 : Tolls_1, Yarn_1
- Track 69 : GiKK_1
- Track 70 : Cashline_1
- Track 71 : Wrigley_1
- Track 72 : Marteena_1, EnalisNailo_1, Jablanski_1, Posh_1, BritBrat_1, BeeGee_1, Confidence_1, Bradissa_1, EMSquaredA_1, LonelyBoi_1, Pytheas_1, Pollux_1, Floral_1
- Track 73 : Lilas_1
- Track 74 : Angelique_1
- Track 75 : MortyNRick_1, BearBQ_1, Kuwabara_1, Crater_1, Apricot_1, Birdsong_1
- Track 76 : Mabodamaca_1
- Track 77 : Cen1621_1
- Track 78 : Honk_1
- Track 79 : Barnstormer_1
- Track 80 : UtzChips_1
- Track 81 : Gretchen_1
- Track 82 : Floof_1

- Track 83 : Caron_1
- Track 84 : Percival_1
- Track 85 : SuMoo_1
- Track 86 : TChen_1, LunaStella_1
- Track 87 : ThetaBob_1
- Track 88 : Renaud18_1
- Track 89 : Cornie_1
- Track 90 : Brujita_1, Island3_1
- Track 91 : HC_01
- Track 92 : Babsiella_1
- Track 93 : QueenHazel_1
- Track 94 : Xula_1
- Track 95 : Gattaca_32, RedRaider77_33, Huphlepuuff_35, Tesla_32, Pringar_33, Lilbit_34, LittleLaf_33, Corazon_31, VasuNzinga_33, FeliMaine_33, Clarkson_34
- Track 96 : Raela_33
- Track 97 : Poise_33
- Track 98 : JoieB_34, Marvin_31, MosMoris_31, Beelzebub_37
- Track 99 : Caprice_30
- Track 100 : Blackbeetle_33
- Track 101 : Nebkiss_1
- Track 102 : Gaia_1
- Track 103 : DS6A_1
- Track 104 : Ibantik_65
- Track 105 : Samy_4
- Track 106 : Success_49

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

The start number called the most often in the published annotations is 37, it was called in 55 of the 168 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AEgle_1, Adolin_1, Adumb2043_1, AinMach_1, Asa16_1, Ascela_1, Babsiella_1, Berrie_1, Blackbeetle_33, Cassia_1, Community_2, Crewmate_1, Cyan_1, DrManhattan_1, DrSierra_1, Elezi_1, Emotion_1, Eraser_1, Exile_1, HC_01, Ibantik_65, Iter_1, IttyBittyPiggy_1, Janeemi_2, JasmineDragon_1, Joemato_1, JohnDoe_1, Jstan_1, JuneStar_1, Kaylissa_1, KeAlii_1, Lego_1, Liebe_1, Lizalica_1, London_1, MaGuCo_1, Maureen_1, MiniMommy_1, MissSwiss_1, Mudpuppy_1, Niobe_1, Nitro_1, ObiToo_1, Phives_2, Powerpuff_1, Pumpkins_1, QueenHazel_1, Reedo_1, Samy_4, ShakeltOph_1, Simpson_1, Snek_2, Soondubu_1, Success_49, Sue2_1, Tallboi_1, Tbone_1, TforTroy_1, Tuck_2, Turab_1, Tutumahutu_1, Tweety19_2, VResidence_1, VroomVroom_1, Warda_1, Wildwest_2, Xula_1, Yang_1, YesChef_1,

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

- Brujita_1, Caprice_30, Island3_1, Poise_33, Raela_33,

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

- 8UZL_4, Agatha_1, AikoCarson_1, Amok_1, Amyev_1, AndPeggy_1, Angelique_1, Apricot_1, Axym_1, Azira_2, Barnstormer_1, BearBQ_1, BeeGee_1, Beelzebub_37,

BigChungus_1, BillDoor_1, Birdsong_1, Biskit_1, Bradissa_1, BritBrat_1, Burnsey_1, Button_1, Buttrmkdreams_1, Caron_1, Cashline_1, Cen1621_1, CherryonLim_1, Clarkson_34, Cleo_2, Confidence_1, Corazon_31, Cornie_1, Cozz_1, Crater_1, DS6A_1, Dre3_2, EMSquaredA_1, Elinal_1, Elliott_1, Emalyn_1, EnalisNailo_1, FF47_04, Farewell_1, Feastonyeet_1, FeliMaine_33, Floof_1, Floral_1, Fribs8_2, GTE2_01, Gaia_1, Gattaca_32, GiKK_1, Gibbous_2, GoldHunter_1, Gretchen_1, Halsey_1, Hexbug_1, HippoPololi_2, Honk_1, Horseradish_1, Huphlepuuff_35, Jablanski_1, JacoRen57_1, Jamzy_1, JoieB_34, KayGee_1, Kuwabara_1, Lauer_1, Lilas_1, Lilbit_34, LittleLaf_33, LonelyBoi_1, LunaStella_1, MAnor_1, MScarn_1, MaVan_2, Mabodamaca_1, Maco6_2, Margaret_1, Marteenaa_1, Marvin_31, Mayweather_2, MortyNRick_1, MosMoris_31, Moss_1, Muddy_4, MunkgeeRoachy_1, Nebkiss_1, Nibbles_2, Nina_1, NoShow_1, Nodigi_1, Orla_1, Percival_1, Pixelle_1, Pollux_1, Pons_1, Posh_1, PotPie_1, Pringar_33, PsychoKiller_1, Pytheas_1, Quasar_1, RedBaron_1, RedRaider77_33, Renaud18_1, SPB78_1, SheckWes_1, SketchMex_1, Sopeopian_1, Sparky_1, SteamedHams_1, SuMoo_1, SummitAcademy_1, Survivors_2, SweatNTears_2, TChen_1, Tesla_32, ThetaBob_1, Tian_1, Tolls_1, Troje_1, Typhonmochy_1, UtzChips_1, VWB_1, VasuNzinga_33, Vine_2, Wrigley_1, Yakult_1, Yarn_1, Yummy_1, Zareef_2,

Summary by start number:

Start 11:

- Found in 2 of 206 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 168
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cleo_2 (CT),

Start 13:

- Found in 1 of 206 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 168
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_1 (AF),

Start 24:

- Found in 2 of 206 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 168
- Called 50.0% of time when present
- Phage (with cluster) where this start called: NoShow_1 (AB),

Start 27:

- Found in 11 of 206 (5.3%) of genes in pham
- Manual Annotations of this start: 6 of 168
- Called 81.8% of time when present
- Phage (with cluster) where this start called: Apricot_1 (DN3), BearBQ_1 (DN), Birdsong_1 (DN), Cornie_1 (F5), Crater_1 (DN3), Kuwabara_1 (DN4), MortyNRick_1 (DN), SPB78_1 (BA), VWB_1 (BA),

Start 29:

- Found in 17 of 206 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 168
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Lilas_1 (CY1),

Start 30:

- Found in 34 of 206 (16.5%) of genes in pham
- Manual Annotations of this start: 24 of 168
- Called 91.2% of time when present
- Phage (with cluster) where this start called: Agatha_1 (CT), AikoCarson_1 (CT), Amok_1 (CT), Axym_1 (CT), Biskit_1 (CT), Burnsey_1 (CT), Button_1 (CT), Buttrmilkdreams_1 (CT), Cozz_1 (CT), Elliott_1 (CT), Emalyn_1 (CT), GiKK_1 (CT), GoldHunter_1 (CT), Hexbug_1 (CT), Horseradish_1 (CT), Jamzy_1 (CT), MScarn_1 (CT), Margaret_1 (CT), MunkgeeRoachy_1 (CT), Nina_1 (CT), Nodigi_1 (CT), Orla_1 (CT), PsychoKiller_1 (CT), Quasar_1 (CT), RedBaron_1 (CT), SketchMex_1 (CT), Sopespian_1 (CT), Troje_1 (CT), Typhonmarchy_1 (CT), Yakult_1 (CT), Yummy_1 (CT),

Start 31:

- Found in 27 of 206 (13.1%) of genes in pham
- Manual Annotations of this start: 16 of 168
- Called 70.4% of time when present
- Phage (with cluster) where this start called: Azira_2 (CT), BigChungus_1 (CT), CherryonLim_1 (CT), Dre3_2 (CT), Elinal_1 (CT), Feastonyeet_1 (CT), Fribs8_2 (CT), Gibbous_2 (CT), HippoPololi_2 (CT), KayGee_1 (CT), MAnor_1 (CT), MaVan_2 (CT), Nibbles_2 (CT), Pons_1 (CT), PotPie_1 (CT), SummitAcademy_1 (CT), Survivors_2 (CT), Vine_2 (CT), Zareef_2 (CT),

Start 32:

- Found in 6 of 206 (2.9%) of genes in pham
- Manual Annotations of this start: 5 of 168
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AndPeggy_1 (CT), BillDoor_1 (CT), GTE2_01 (CT), SteamedHams_1 (CT), Tolls_1 (CT), Yarn_1 (CT),

Start 33:

- Found in 26 of 206 (12.6%) of genes in pham
- Manual Annotations of this start: 24 of 168
- Called 92.3% of time when present
- Phage (with cluster) where this start called: Angelique_1 (CY1), BeeGee_1 (CY), Bradissa_1 (CY1), BritBrat_1 (CY2), Cashline_1 (CY), Confidence_1 (CY1), DS6A_1 (singleton), EMSquaredA_1 (CY1), EnalisNailo_1 (CY1), Floral_1 (CY1), Gaia_1 (X), Jablanski_1 (CY), LonelyBoi_1 (CY), LunaStella_1 (F4), Marteena_1 (CY1), Nebkiss_1 (X), Pollux_1 (CY1), Posh_1 (CY), Pytheas_1 (CY), Renaud18_1 (F4), Sparky_1 (AF), TChen_1 (F4), ThetaBob_1 (F4), Wrigley_1 (CY),

Start 35:

- Found in 6 of 206 (2.9%) of genes in pham
- Manual Annotations of this start: 2 of 168
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Brujita_1 (I1), Island3_1 (I1),

Start 36:

- Found in 3 of 206 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 168
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amyev_1 (AZ1), Pixelle_1 (AZ1), Tian_1 (AZ1),

Start 37:

- Found in 74 of 206 (35.9%) of genes in pham
- Manual Annotations of this start: 55 of 168
- Called 93.2% of time when present
- Phage (with cluster) where this start called: AEgle_1 (AZ1), Adolin_1 (AZ1), Adumb2043_1 (AZ1), AinMach_1 (AZ), Asa16_1 (AZ1), Ascela_1 (AZ1), Babsiella_1 (I1), Berrie_1 (AZ1), Blackbeetle_33 (S), Cassia_1 (AZ1), Community_2 (AZ1), Crewmate_1 (AZ1), Cyan_1 (AZ1), DrManhattan_1 (AZ1), DrSierra_1 (AZ1), Elezi_1 (AZ1), Emotion_1 (AZ4), Eraser_1 (AZ1), Exile_1 (AZ), HC_01 (I1), Ibantik_65 (singleton), Iter_1 (AZ1), IttyBittyPiggy_1 (AZ1), Janeemi_2 (AZ1), JasmineDragon_1 (AZ4), Joemato_1 (AZ1), JohnDoe_1 (AZ1), Jstan_1 (AZ1), JuneStar_1 (AZ1), Kaylissa_1 (AZ1), KeAlii_1 (AZ1), Lego_1 (AZ1), Liebe_1 (AZ2), Lizalica_1 (AZ1), London_1 (AZ1), MaGuCo_1 (AZ2), Maureen_1 (AZ2), MiniMommy_1 (AZ4), MissSwiss_1 (AZ1), Mudpuppy_1 (AZ1), Niobe_1 (AZ1), Nitro_1 (AZ1), ObiToo_1 (AZ1), Phives_2 (AZ1), Powerpuff_1 (AZ1), Pumpkins_1 (AZ1), QueenHazel_1 (I1), Reedo_1 (AZ1), Samy_4 (singleton), ShakeltOph_1 (AZ4), Simpson_1 (AZ1), Snek_2 (AZ3), Soondubu_1 (AZ), Success_49 (singleton), Sue2_1 (AZ1), Tallboi_1 (AZ1), Tbone_1 (AZ1), TforTroy_1 (AZ1), Tuck_2 (AZ1), Turab_1 (AZ1), Tutumahutu_1 (AZ1), Tweety19_2 (AZ3), VResidence_1 (AZ1), VroomVroom_1 (AZ4), Warda_1 (AZ1), Wildwest_2 (AZ1), Xula_1 (I1), Yang_1 (AZ1), YesChef_1 (AZ1),

Start 39:

- Found in 12 of 206 (5.8%) of genes in pham
- Manual Annotations of this start: 8 of 168
- Called 91.7% of time when present
- Phage (with cluster) where this start called: Barnstormer_1 (EH), Caron_1 (EH), Cen1621_1 (EH), Floof_1 (EH), Gretchen_1 (EH), Halsey_1 (AZ), Honk_1 (EH), Moss_1 (AZ), Percival_1 (EH), SuMoo_1 (EH), UtzChips_1 (EH),

Start 40:

- Found in 5 of 206 (2.4%) of genes in pham
- Manual Annotations of this start: 3 of 168
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_4 (AB), FF47_04 (AB), JacoRen57_1 (AB), Maco6_2 (AB), Muddy_4 (AB),

Start 41:

- Found in 4 of 206 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 168
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Caprice_30 (S), Raela_33 (S),

Start 42:

- Found in 15 of 206 (7.3%) of genes in pham
- Manual Annotations of this start: 9 of 168
- Called 73.3% of time when present
- Phage (with cluster) where this start called: Clarkson_34 (S), Corazon_31 (S), FeliMaine_33 (S), Gattaca_32 (S), Huphlepuuff_35 (S), Lilbit_34 (S), LittleLaf_33 (S), Pringar_33 (S), RedRaider77_33 (S), Tesla_32 (S), VasuNzinga_33 (S),

Start 44:

- Found in 39 of 206 (18.9%) of genes in pham
- Manual Annotations of this start: 2 of 168
- Called 5.1% of time when present
- Phage (with cluster) where this start called: Mayweather_2 (CT), SheckWes_1 (CT),

Start 45:

- Found in 7 of 206 (3.4%) of genes in pham
- Manual Annotations of this start: 1 of 168
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Mabodamaca_1 (EH),

Start 55:

- Found in 14 of 206 (6.8%) of genes in pham
- Manual Annotations of this start: 1 of 168
- Called 7.1% of time when present
- Phage (with cluster) where this start called: SweatNTears_2 (CT),

Start 59:

- Found in 20 of 206 (9.7%) of genes in pham
- Manual Annotations of this start: 1 of 168
- Called 5.0% of time when present
- Phage (with cluster) where this start called: Lauer_1 (CT),

Start 64:

- Found in 25 of 206 (12.1%) of genes in pham
- Manual Annotations of this start: 5 of 168
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Beelzebub_37 (S), JoieB_34 (S), Marvin_31 (S), MosMoris_31 (S), Poise_33 (S),

Summary by clusters:

There are 22 clusters represented in this pham: DN, singleton, BA, I1, DN4, DN3, CY2, CY1, AB, EH, AF, CY, X, AZ, CT, F4, F5, S, AZ1, AZ2, AZ3, AZ4,

Info for manual annotations of cluster AB:

- Start number 24 was manually annotated 1 time for cluster AB.
- Start number 40 was manually annotated 3 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 13 was manually annotated 1 time for cluster AF.
- Start number 33 was manually annotated 1 time for cluster AF.

Info for manual annotations of cluster AZ:

- Start number 37 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:

- Start number 36 was manually annotated 1 time for cluster AZ1.
- Start number 37 was manually annotated 38 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 37 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 37 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 37 was manually annotated 3 times for cluster AZ4.

Info for manual annotations of cluster CT:

- Start number 11 was manually annotated 1 time for cluster CT.
- Start number 30 was manually annotated 24 times for cluster CT.
- Start number 31 was manually annotated 16 times for cluster CT.
- Start number 32 was manually annotated 5 times for cluster CT.
- Start number 44 was manually annotated 2 times for cluster CT.
- Start number 55 was manually annotated 1 time for cluster CT.
- Start number 59 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster CY:

- Start number 33 was manually annotated 7 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 29 was manually annotated 1 time for cluster CY1.
- Start number 33 was manually annotated 8 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 33 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DN:

- Start number 27 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN3:

- Start number 27 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 27 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster EH:

- Start number 39 was manually annotated 8 times for cluster EH.
- Start number 45 was manually annotated 1 time for cluster EH.

Info for manual annotations of cluster F4:

- Start number 33 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 27 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster I1:

- Start number 35 was manually annotated 2 times for cluster I1.
- Start number 37 was manually annotated 4 times for cluster I1.

Info for manual annotations of cluster S:

- Start number 37 was manually annotated 1 time for cluster S.
- Start number 41 was manually annotated 1 time for cluster S.
- Start number 42 was manually annotated 9 times for cluster S.

- Start number 64 was manually annotated 5 times for cluster S.

Info for manual annotations of cluster X:

- Start number 33 was manually annotated 2 times for cluster X.

Gene Information:

Gene: 8UZL_4 Start: 1322, Stop: 1795, Start Num: 40

Candidate Starts for 8UZL_4:

(22, 1274), (Start: 40 @1322 has 3 MA's), (57, 1385), (Start: 59 @1388 has 1 MA's), (68, 1418), (91, 1520), (142, 1745), (152, 1766), (153, 1775),

Gene: AEgle_1 Start: 85, Stop: 540, Start Num: 37

Candidate Starts for AEgle_1:

(Start: 37 @85 has 55 MA's), (77, 214), (141, 511), (144, 520),

Gene: Adolin_1 Start: 85, Stop: 537, Start Num: 37

Candidate Starts for Adolin_1:

(Start: 37 @85 has 55 MA's), (77, 214), (141, 508), (144, 517),

Gene: Adumb2043_1 Start: 85, Stop: 540, Start Num: 37

Candidate Starts for Adumb2043_1:

(Start: 37 @85 has 55 MA's), (77, 214), (141, 511), (144, 520),

Gene: Agatha_1 Start: 52, Stop: 543, Start Num: 30

Candidate Starts for Agatha_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (86, 241), (92, 271), (105, 319), (118, 364),

Gene: AikoCarson_1 Start: 52, Stop: 531, Start Num: 30

Candidate Starts for AikoCarson_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (86, 241), (92, 271), (105, 319), (118, 364), (126, 412), (155, 526),

Gene: AinMach_1 Start: 140, Stop: 574, Start Num: 37

Candidate Starts for AinMach_1:

(Start: 37 @140 has 55 MA's), (Start: 45 @167 has 1 MA's), (57, 212), (67, 239), (82, 281), (99, 359), (125, 473), (130, 509), (131, 512),

Gene: Amok_1 Start: 53, Stop: 532, Start Num: 30

Candidate Starts for Amok_1:

(Start: 30 @53 has 24 MA's), (Start: 44 @98 has 2 MA's), (69, 188), (86, 242), (92, 272), (105, 320), (118, 365), (126, 413), (155, 527),

Gene: Amyev_1 Start: 84, Stop: 536, Start Num: 36

Candidate Starts for Amyev_1:

(6, 12), (25, 54), (Start: 36 @84 has 1 MA's), (130, 471), (141, 510),

Gene: AndPeggy_1 Start: 59, Stop: 535, Start Num: 32

Candidate Starts for AndPeggy_1:

(18, 14), (Start: 32 @59 has 5 MA's), (47, 107), (69, 188), (86, 242), (92, 272), (118, 365), (126, 413), (154, 524),

Gene: Angelique_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for Angelique_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (128, 436), (133, 472), (136, 481),

Gene: Apricot_1 Start: 50, Stop: 484, Start Num: 27

Candidate Starts for Apricot_1:

(Start: 27 @50 has 6 MA's), (50, 125), (54, 134), (Start: 64 @167 has 5 MA's), (66, 170), (85, 218), (92, 254), (96, 272), (109, 317), (118, 347), (124, 386),

Gene: Asa16_1 Start: 84, Stop: 536, Start Num: 37

Candidate Starts for Asa16_1:

(Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (135, 489), (141, 510), (144, 519),

Gene: Ascela_1 Start: 85, Stop: 537, Start Num: 37

Candidate Starts for Ascela_1:

(Start: 37 @85 has 55 MA's), (130, 472), (135, 490), (141, 511),

Gene: Axym_1 Start: 52, Stop: 543, Start Num: 30

Candidate Starts for Axym_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (86, 241), (92, 271), (105, 319), (118, 364),

Gene: Azira_2 Start: 425, Stop: 922, Start Num: 31

Candidate Starts for Azira_2:

(23, 398), (Start: 31 @425 has 16 MA's), (Start: 55 @506 has 1 MA's), (92, 659), (97, 680), (118, 752), (124, 791), (150, 899),

Gene: Babsiella_1 Start: 67, Stop: 540, Start Num: 37

Candidate Starts for Babsiella_1:

(19, 16), (Start: 37 @67 has 55 MA's), (63, 151), (73, 187), (97, 292), (101, 304), (102, 307), (113, 340), (116, 352), (124, 403), (145, 499), (148, 508),

Gene: Barnstormer_1 Start: 114, Stop: 596, Start Num: 39

Candidate Starts for Barnstormer_1:

(Start: 35 @108 has 2 MA's), (Start: 39 @114 has 8 MA's), (106, 363), (123, 447), (131, 504), (135, 519),

Gene: BearBQ_1 Start: 50, Stop: 484, Start Num: 27

Candidate Starts for BearBQ_1:

(Start: 27 @50 has 6 MA's), (50, 125), (54, 134), (Start: 64 @167 has 5 MA's), (66, 170), (85, 218), (92, 254), (96, 272), (109, 317), (118, 347), (124, 386),

Gene: BeeGee_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for BeeGee_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: Beelzebub_37 Start: 10803, Stop: 11156, Start Num: 64

Candidate Starts for Beelzebub_37:

(3, 10587), (Start: 42 @10722 has 9 MA's), (Start: 64 @10803 has 5 MA's), (93, 10923), (101, 10953), (118, 11013), (146, 11148),

Gene: Berrie_1 Start: 83, Stop: 535, Start Num: 37
Candidate Starts for Berrie_1:
(Start: 37 @83 has 55 MA's), (130, 470), (135, 488), (141, 509),

Gene: BigChungus_1 Start: 56, Stop: 547, Start Num: 31
Candidate Starts for BigChungus_1:
(Start: 31 @56 has 16 MA's), (Start: 44 @98 has 2 MA's), (Start: 59 @146 has 1 MA's), (82, 221), (83, 224), (92, 272), (117, 359), (118, 365), (124, 404), (126, 413), (129, 434),

Gene: BillDoor_1 Start: 59, Stop: 535, Start Num: 32
Candidate Starts for BillDoor_1:
(18, 14), (Start: 32 @59 has 5 MA's), (47, 107), (69, 188), (86, 242), (92, 272), (118, 365), (126, 413), (154, 524),

Gene: Birdsong_1 Start: 50, Stop: 484, Start Num: 27
Candidate Starts for Birdsong_1:
(Start: 27 @50 has 6 MA's), (50, 125), (54, 134), (Start: 64 @167 has 5 MA's), (66, 170), (85, 218), (92, 254), (96, 272), (109, 317), (118, 347), (124, 386),

Gene: Biskit_1 Start: 52, Stop: 534, Start Num: 30
Candidate Starts for Biskit_1:
(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (86, 241), (92, 271), (118, 364), (126, 412), (154, 523),

Gene: Blackbeetle_33 Start: 9732, Stop: 10175, Start Num: 37
Candidate Starts for Blackbeetle_33:
(Start: 37 @9732 has 55 MA's), (Start: 41 @9741 has 1 MA's), (Start: 64 @9822 has 5 MA's), (93, 9942), (101, 9972), (118, 10032), (146, 10167),

Gene: Bradissa_1 Start: 82, Stop: 504, Start Num: 33
Candidate Starts for Bradissa_1:
(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: BritBrat_1 Start: 82, Stop: 504, Start Num: 33
Candidate Starts for BritBrat_1:
(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: Brujita_1 Start: 62, Stop: 541, Start Num: 35
Candidate Starts for Brujita_1:
(18, 14), (Start: 35 @62 has 2 MA's), (Start: 37 @68 has 55 MA's), (63, 152), (97, 293), (101, 305), (102, 308), (113, 341), (132, 458), (148, 509),

Gene: Burnsey_1 Start: 52, Stop: 543, Start Num: 30
Candidate Starts for Burnsey_1:
(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (92, 271), (105, 319), (118, 364),

Gene: Button_1 Start: 50, Stop: 505, Start Num: 30

Candidate Starts for Button_1:

(Start: 30 @50 has 24 MA's), (92, 263), (118, 356), (126, 404), (149, 491),

Gene: Buttrmlkdreams_1 Start: 53, Stop: 535, Start Num: 30

Candidate Starts for Buttrmlkdreams_1:

(18, 14), (Start: 30 @53 has 24 MA's), (Start: 44 @98 has 2 MA's), (69, 188), (86, 242), (92, 272), (118, 365), (126, 413), (154, 524),

Gene: Caprice_30 Start: 9811, Stop: 10245, Start Num: 41

Candidate Starts for Caprice_30:

(Start: 27 @9775 has 6 MA's), (Start: 31 @9787 has 16 MA's), (Start: 37 @9802 has 55 MA's), (Start: 41 @9811 has 1 MA's), (Start: 64 @9892 has 5 MA's), (93, 10012), (101, 10042), (118, 10102), (146, 10237),

Gene: Caron_1 Start: 114, Stop: 593, Start Num: 39

Candidate Starts for Caron_1:

(Start: 35 @108 has 2 MA's), (Start: 39 @114 has 8 MA's), (Start: 45 @135 has 1 MA's), (Start: 59 @183 has 1 MA's), (106, 363), (123, 447), (135, 516),

Gene: Cashline_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for Cashline_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (84, 250), (88, 265), (102, 325), (116, 370), (128, 436), (133, 472), (136, 481),

Gene: Cassia_1 Start: 86, Stop: 550, Start Num: 37

Candidate Starts for Cassia_1:

(Start: 37 @86 has 55 MA's), (96, 305), (135, 503), (144, 533),

Gene: Cen1621_1 Start: 100, Stop: 576, Start Num: 39

Candidate Starts for Cen1621_1:

(34, 88), (Start: 39 @100 has 8 MA's), (85, 250), (103, 322), (115, 361), (117, 376), (130, 457), (134, 472),

Gene: CherryonLim_1 Start: 56, Stop: 547, Start Num: 31

Candidate Starts for CherryonLim_1:

(Start: 31 @56 has 16 MA's), (Start: 44 @98 has 2 MA's), (Start: 59 @146 has 1 MA's), (82, 221), (83, 224), (92, 272), (117, 359), (118, 365), (124, 404), (126, 413), (129, 434),

Gene: Clarkson_34 Start: 10423, Stop: 10857, Start Num: 42

Candidate Starts for Clarkson_34:

(3, 10288), (Start: 42 @10423 has 9 MA's), (Start: 64 @10504 has 5 MA's), (93, 10624), (101, 10654), (118, 10714), (146, 10849),

Gene: Cleo_2 Start: 447, Stop: 983, Start Num: 11

Candidate Starts for Cleo_2:

(Start: 11 @447 has 1 MA's), (Start: 31 @498 has 16 MA's), (Start: 55 @579 has 1 MA's), (68, 618), (92, 732), (97, 753), (101, 765), (118, 825),

Gene: Community_2 Start: 1157, Stop: 1609, Start Num: 37

Candidate Starts for Community_2:

(2, 1052), (Start: 37 @1157 has 55 MA's), (130, 1544), (135, 1562), (141, 1583),

Gene: Confidence_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for Confidence_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: Corazon_31 Start: 10376, Stop: 10810, Start Num: 42

Candidate Starts for Corazon_31:

(3, 10241), (Start: 42 @10376 has 9 MA's), (Start: 64 @10457 has 5 MA's), (93, 10577), (101, 10607), (118, 10667), (146, 10802),

Gene: Cornie_1 Start: 85, Stop: 549, Start Num: 27

Candidate Starts for Cornie_1:

(Start: 27 @85 has 6 MA's), (Start: 44 @133 has 2 MA's), (49, 148), (50, 154), (Start: 55 @172 has 1 MA's), (60, 187), (70, 226), (85, 277), (89, 295), (105, 361), (109, 379), (111, 385), (112, 388), (116, 397), (117, 403), (118, 409), (120, 418), (143, 535), (147, 544),

Gene: Cozz_1 Start: 52, Stop: 543, Start Num: 30

Candidate Starts for Cozz_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (86, 241), (92, 271), (105, 319), (118, 364),

Gene: Crater_1 Start: 50, Stop: 484, Start Num: 27

Candidate Starts for Crater_1:

(Start: 27 @50 has 6 MA's), (50, 125), (54, 134), (Start: 64 @167 has 5 MA's), (66, 170), (85, 218), (92, 254), (96, 272), (109, 317), (118, 347), (124, 386),

Gene: Crewmate_1 Start: 85, Stop: 549, Start Num: 37

Candidate Starts for Crewmate_1:

(Start: 37 @85 has 55 MA's), (130, 484), (135, 502), (141, 523),

Gene: Cyan_1 Start: 84, Stop: 536, Start Num: 37

Candidate Starts for Cyan_1:

(25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: DS6A_1 Start: 246, Stop: 680, Start Num: 33

Candidate Starts for DS6A_1:

(Start: 33 @246 has 24 MA's), (46, 288), (Start: 59 @333 has 1 MA's), (79, 384), (88, 435), (104, 504), (121, 576), (124, 594), (131, 639), (133, 648), (139, 675),

Gene: DrManhattan_1 Start: 85, Stop: 537, Start Num: 37

Candidate Starts for DrManhattan_1:

(Start: 37 @85 has 55 MA's), (77, 214), (141, 508), (144, 517),

Gene: DrSierra_1 Start: 87, Stop: 551, Start Num: 37

Candidate Starts for DrSierra_1:

(Start: 37 @87 has 55 MA's), (141, 525),

Gene: Dre3_2 Start: 442, Stop: 927, Start Num: 31

Candidate Starts for Dre3_2:

(Start: 31 @442 has 16 MA's), (Start: 55 @523 has 1 MA's), (68, 562), (92, 676), (97, 697), (101, 709), (118, 769),

Gene: EMSquaredA_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for EMSquaredA_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: Elezi_1 Start: 85, Stop: 537, Start Num: 37

Candidate Starts for Elezi_1:

(Start: 37 @85 has 55 MA's), (77, 214), (130, 472), (135, 490), (141, 511), (144, 520),

Gene: Elinal_1 Start: 56, Stop: 547, Start Num: 31

Candidate Starts for Elinal_1:

(Start: 31 @56 has 16 MA's), (Start: 44 @98 has 2 MA's), (Start: 59 @146 has 1 MA's), (82, 221), (83, 224), (92, 272), (94, 284), (117, 359), (118, 365), (124, 404), (126, 413), (129, 434),

Gene: Elliott_1 Start: 52, Stop: 543, Start Num: 30

Candidate Starts for Elliott_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (92, 271), (105, 319), (118, 364),

Gene: Emalyn_1 Start: 52, Stop: 531, Start Num: 30

Candidate Starts for Emalyn_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (86, 241), (92, 271), (105, 319), (118, 364), (126, 412), (155, 526),

Gene: Emotion_1 Start: 130, Stop: 558, Start Num: 37

Candidate Starts for Emotion_1:

(Start: 37 @130 has 55 MA's), (88, 310), (114, 415),

Gene: EnalisNailo_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for EnalisNailo_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: Eraser_1 Start: 85, Stop: 537, Start Num: 37

Candidate Starts for Eraser_1:

(Start: 37 @85 has 55 MA's), (77, 214), (130, 472), (135, 490), (141, 511), (144, 520),

Gene: Exile_1 Start: 140, Stop: 571, Start Num: 37

Candidate Starts for Exile_1:

(Start: 11 @71 has 1 MA's), (Start: 37 @140 has 55 MA's), (141, 545), (144, 554),

Gene: FF47_04 Start: 1302, Stop: 1775, Start Num: 40

Candidate Starts for FF47_04:

(22, 1254), (Start: 40 @1302 has 3 MA's), (57, 1365), (Start: 59 @1368 has 1 MA's), (68, 1398), (91, 1500), (142, 1725), (152, 1746), (153, 1755),

Gene: Farewell_1 Start: 34, Stop: 528, Start Num: 13

Candidate Starts for Farewell_1:

(Start: 13 @34 has 1 MA's), (26, 73), (Start: 33 @97 has 24 MA's), (67, 208), (88, 280), (119, 406), (121, 421), (133, 496),

Gene: Feastonyeet_1 Start: 56, Stop: 547, Start Num: 31

Candidate Starts for Feastonyeet_1:

(Start: 31 @56 has 16 MA's), (Start: 44 @98 has 2 MA's), (Start: 59 @146 has 1 MA's), (82, 221), (83, 224), (92, 272), (117, 359), (118, 365), (124, 404), (126, 413), (129, 434),

Gene: FeliMaine_33 Start: 10424, Stop: 10858, Start Num: 42

Candidate Starts for FeliMaine_33:

(3, 10289), (Start: 42 @10424 has 9 MA's), (Start: 64 @10505 has 5 MA's), (93, 10625), (101, 10655), (118, 10715), (146, 10850),

Gene: Floof_1 Start: 122, Stop: 601, Start Num: 39

Candidate Starts for Floof_1:

(Start: 39 @122 has 8 MA's), (61, 200), (100, 350), (106, 371), (122, 446), (140, 545),

Gene: Floral_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for Floral_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: Fribs8_2 Start: 426, Stop: 911, Start Num: 31

Candidate Starts for Fribs8_2:

(23, 399), (Start: 31 @426 has 16 MA's), (Start: 55 @507 has 1 MA's), (92, 660), (97, 681), (118, 753), (124, 792),

Gene: GTE2_01 Start: 59, Stop: 535, Start Num: 32

Candidate Starts for GTE2_01:

(18, 14), (Start: 32 @59 has 5 MA's), (69, 188), (86, 242), (92, 272), (96, 290), (118, 365), (126, 413), (154, 524),

Gene: Gaia_1 Start: 129, Stop: 578, Start Num: 33

Candidate Starts for Gaia_1:

(Start: 31 @126 has 16 MA's), (Start: 33 @129 has 24 MA's), (38, 144), (51, 186), (Start: 59 @213 has 1 MA's), (71, 264), (75, 279), (82, 315), (88, 342), (90, 357), (102, 402), (110, 438), (119, 468), (120, 471), (128, 516), (133, 549), (134, 552),

Gene: Gattaca_32 Start: 9603, Stop: 10037, Start Num: 42

Candidate Starts for Gattaca_32:

(3, 9468), (Start: 42 @9603 has 9 MA's), (Start: 64 @9684 has 5 MA's), (93, 9804), (101, 9834), (118, 9894), (146, 10029),

Gene: GiKK_1 Start: 49, Stop: 504, Start Num: 30

Candidate Starts for GiKK_1:

(21, 22), (Start: 30 @49 has 24 MA's), (69, 178), (92, 262), (96, 280), (118, 355), (126, 403), (149, 490),

Gene: Gibbous_2 Start: 442, Stop: 927, Start Num: 31

Candidate Starts for Gibbous_2:

(Start: 31 @442 has 16 MA's), (Start: 55 @523 has 1 MA's), (68, 562), (92, 676), (97, 697), (101, 709), (118, 769),

Gene: GoldHunter_1 Start: 52, Stop: 543, Start Num: 30

Candidate Starts for GoldHunter_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (86, 241), (92, 271), (105, 319), (118, 364),

Gene: Gretchen_1 Start: 128, Stop: 607, Start Num: 39

Candidate Starts for Gretchen_1:

(Start: 39 @128 has 8 MA's), (100, 356), (106, 377), (122, 452), (130, 515), (140, 551),

Gene: HC_01 Start: 67, Stop: 540, Start Num: 37

Candidate Starts for HC_01:

(Start: 37 @67 has 55 MA's), (63, 151), (97, 292), (101, 304), (102, 307), (113, 340), (116, 352), (124, 403), (148, 508),

Gene: Halsey_1 Start: 139, Stop: 579, Start Num: 39

Candidate Starts for Halsey_1:

(Start: 39 @139 has 8 MA's), (67, 232),

Gene: Hexbug_1 Start: 50, Stop: 505, Start Num: 30

Candidate Starts for Hexbug_1:

(Start: 30 @50 has 24 MA's), (Start: 44 @89 has 2 MA's), (69, 179), (92, 263), (118, 356), (126, 404), (149, 491),

Gene: HippoPololi_2 Start: 449, Stop: 934, Start Num: 31

Candidate Starts for HippoPololi_2:

(9, 380), (Start: 24 @425 has 1 MA's), (Start: 31 @449 has 16 MA's), (Start: 55 @530 has 1 MA's), (68, 569), (92, 683), (97, 704), (101, 716), (118, 776),

Gene: Honk_1 Start: 161, Stop: 634, Start Num: 39

Candidate Starts for Honk_1:

(28, 128), (Start: 39 @161 has 8 MA's), (103, 383), (117, 437), (122, 467), (134, 530),

Gene: Horseradish_1 Start: 53, Stop: 535, Start Num: 30

Candidate Starts for Horseradish_1:

(18, 14), (Start: 30 @53 has 24 MA's), (Start: 44 @98 has 2 MA's), (69, 188), (86, 242), (92, 272), (118, 365), (126, 413), (154, 524),

Gene: Huphlepuuff_35 Start: 10228, Stop: 10662, Start Num: 42

Candidate Starts for Huphlepuuff_35:

(3, 10093), (Start: 42 @10228 has 9 MA's), (Start: 64 @10309 has 5 MA's), (93, 10429), (101, 10459), (118, 10519), (146, 10654),

Gene: Ibantik_65 Start: 27614, Stop: 28042, Start Num: 37

Candidate Starts for Ibantik_65:

(Start: 37 @27614 has 55 MA's), (98, 27824), (99, 27827), (110, 27869), (125, 27938), (135, 27995), (136, 27998),

Gene: Island3_1 Start: 62, Stop: 541, Start Num: 35

Candidate Starts for Island3_1:

(18, 14), (Start: 35 @62 has 2 MA's), (Start: 37 @68 has 55 MA's), (63, 152), (97, 293), (101, 305), (102, 308), (113, 341), (132, 458), (148, 509),

Gene: Iter_1 Start: 85, Stop: 537, Start Num: 37

Candidate Starts for Iter_1:

(Start: 37 @85 has 55 MA's), (130, 472), (135, 490), (141, 511),

Gene: IttyBittyPiggy_1 Start: 86, Stop: 538, Start Num: 37

Candidate Starts for IttyBittyPiggy_1:

(Start: 37 @86 has 55 MA's), (77, 215), (130, 473), (135, 491), (144, 521),

Gene: Jablanski_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for Jablanski_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: JacoRen57_1 Start: 190, Stop: 669, Start Num: 40

Candidate Starts for JacoRen57_1:

(4, 61), (8, 91), (10, 94), (Start: 27 @154 has 6 MA's), (Start: 40 @190 has 3 MA's), (57, 253), (62, 271), (101, 424), (109, 457), (127, 538), (133, 574), (138, 598), (142, 607),

Gene: Jamzy_1 Start: 49, Stop: 504, Start Num: 30

Candidate Starts for Jamzy_1:

(Start: 30 @49 has 24 MA's), (Start: 44 @88 has 2 MA's), (69, 178), (92, 262), (117, 349), (118, 355), (126, 403), (149, 490), (151, 499),

Gene: Janeemi_2 Start: 1168, Stop: 1620, Start Num: 37

Candidate Starts for Janeemi_2:

(Start: 37 @1168 has 55 MA's), (130, 1555), (135, 1573), (141, 1594),

Gene: JasmineDragon_1 Start: 132, Stop: 560, Start Num: 37

Candidate Starts for JasmineDragon_1:

(Start: 37 @132 has 55 MA's), (114, 417), (135, 534),

Gene: Joemato_1 Start: 84, Stop: 536, Start Num: 37

Candidate Starts for Joemato_1:

(25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: JohnDoe_1 Start: 84, Stop: 536, Start Num: 37

Candidate Starts for JohnDoe_1:

(25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: JoieB_34 Start: 10528, Stop: 10881, Start Num: 64

Candidate Starts for JoieB_34:

(3, 10312), (Start: 42 @10447 has 9 MA's), (Start: 64 @10528 has 5 MA's), (93, 10648), (101, 10678), (118, 10738), (146, 10873),

Gene: Jstan_1 Start: 85, Stop: 537, Start Num: 37

Candidate Starts for Jstan_1:

(Start: 37 @85 has 55 MA's), (77, 214), (130, 472), (135, 490), (141, 511), (144, 520),

Gene: JuneStar_1 Start: 84, Stop: 548, Start Num: 37

Candidate Starts for JuneStar_1:

(25, 54), (Start: 37 @84 has 55 MA's), (135, 501), (144, 531),

Gene: KayGee_1 Start: 56, Stop: 547, Start Num: 31

Candidate Starts for KayGee_1:

(Start: 31 @56 has 16 MA's), (Start: 44 @98 has 2 MA's), (Start: 59 @146 has 1 MA's), (82, 221), (83, 224), (92, 272), (94, 284), (117, 359), (118, 365), (124, 404), (126, 413), (129, 434),

Gene: Kaylissa_1 Start: 84, Stop: 536, Start Num: 37

Candidate Starts for Kaylissa_1:

(25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: KeAlii_1 Start: 69, Stop: 521, Start Num: 37
Candidate Starts for KeAlii_1:
(Start: 37 @69 has 55 MA's), (141, 492), (144, 501),

Gene: Kuwabara_1 Start: 50, Stop: 484, Start Num: 27
Candidate Starts for Kuwabara_1:
(Start: 27 @50 has 6 MA's), (50, 125), (54, 134), (Start: 64 @167 has 5 MA's), (66, 170), (85, 218),
(92, 254), (96, 272), (109, 317), (118, 347), (124, 386),

Gene: Lauer_1 Start: 146, Stop: 547, Start Num: 59
Candidate Starts for Lauer_1:
(Start: 31 @56 has 16 MA's), (Start: 44 @98 has 2 MA's), (Start: 59 @146 has 1 MA's), (82, 221), (83,
224), (92, 272), (94, 284), (117, 359), (118, 365), (124, 404), (126, 413), (129, 434),

Gene: Lego_1 Start: 84, Stop: 536, Start Num: 37
Candidate Starts for Lego_1:
(25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: Liebe_1 Start: 80, Stop: 535, Start Num: 37
Candidate Starts for Liebe_1:
(Start: 37 @80 has 55 MA's), (98, 311),

Gene: Lilas_1 Start: 73, Stop: 504, Start Num: 29
Candidate Starts for Lilas_1:
(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436),
(133, 472), (136, 481),

Gene: Lilbit_34 Start: 10424, Stop: 10858, Start Num: 42
Candidate Starts for Lilbit_34:
(3, 10289), (Start: 42 @10424 has 9 MA's), (Start: 64 @10505 has 5 MA's), (93, 10625), (101, 10655),
(118, 10715), (146, 10850),

Gene: LittleLaf_33 Start: 10153, Stop: 10587, Start Num: 42
Candidate Starts for LittleLaf_33:
(3, 10018), (Start: 42 @10153 has 9 MA's), (Start: 64 @10234 has 5 MA's), (93, 10354), (101, 10384),
(118, 10444), (146, 10579),

Gene: Lizalica_1 Start: 85, Stop: 534, Start Num: 37
Candidate Starts for Lizalica_1:
(Start: 37 @85 has 55 MA's), (77, 214), (130, 469), (135, 487), (141, 508), (144, 517),

Gene: London_1 Start: 85, Stop: 537, Start Num: 37
Candidate Starts for London_1:
(Start: 37 @85 has 55 MA's), (77, 214), (130, 472), (135, 490), (141, 511), (144, 520),

Gene: LonelyBoi_1 Start: 82, Stop: 504, Start Num: 33
Candidate Starts for LonelyBoi_1:
(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436),
(133, 472), (136, 481),

Gene: LunaStella_1 Start: 55, Stop: 477, Start Num: 33
Candidate Starts for LunaStella_1:

(15, 7), (17, 16), (Start: 33 @55 has 24 MA's), (56, 136), (88, 238), (104, 307), (105, 310), (121, 376), (128, 409), (133, 445), (136, 454),

Gene: MAnor_1 Start: 56, Stop: 547, Start Num: 31

Candidate Starts for MAnor_1:

(Start: 31 @56 has 16 MA's), (Start: 44 @98 has 2 MA's), (Start: 59 @146 has 1 MA's), (82, 221), (83, 224), (92, 272), (117, 359), (118, 365), (124, 404), (126, 413), (129, 434),

Gene: MScarn_1 Start: 53, Stop: 535, Start Num: 30

Candidate Starts for MScarn_1:

(18, 14), (Start: 30 @53 has 24 MA's), (Start: 44 @98 has 2 MA's), (69, 188), (86, 242), (92, 272), (118, 365), (126, 413), (154, 524),

Gene: MaGuCo_1 Start: 80, Stop: 535, Start Num: 37

Candidate Starts for MaGuCo_1:

(Start: 37 @80 has 55 MA's), (98, 311), (131, 473),

Gene: MaVan_2 Start: 426, Stop: 923, Start Num: 31

Candidate Starts for MaVan_2:

(23, 399), (Start: 31 @426 has 16 MA's), (Start: 55 @507 has 1 MA's), (92, 660), (97, 681), (118, 753), (124, 792), (150, 900),

Gene: Mabodamaca_1 Start: 146, Stop: 604, Start Num: 45

Candidate Starts for Mabodamaca_1:

(Start: 39 @125 has 8 MA's), (Start: 45 @146 has 1 MA's), (106, 374), (123, 458), (135, 527),

Gene: Maco6_2 Start: 581, Stop: 1054, Start Num: 40

Candidate Starts for Maco6_2:

(22, 533), (Start: 40 @581 has 3 MA's), (57, 644), (Start: 59 @647 has 1 MA's), (68, 677), (91, 779), (142, 1004), (152, 1025), (153, 1034),

Gene: Margaret_1 Start: 49, Stop: 504, Start Num: 30

Candidate Starts for Margaret_1:

(Start: 30 @49 has 24 MA's), (92, 262), (118, 355), (126, 403), (149, 490),

Gene: Marteena_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for Marteena_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: Marvin_31 Start: 10504, Stop: 10857, Start Num: 64

Candidate Starts for Marvin_31:

(3, 10288), (Start: 42 @10423 has 9 MA's), (Start: 64 @10504 has 5 MA's), (93, 10624), (101, 10654), (118, 10714), (146, 10849),

Gene: Maureen_1 Start: 80, Stop: 535, Start Num: 37

Candidate Starts for Maureen_1:

(Start: 37 @80 has 55 MA's), (98, 311),

Gene: Mayweather_2 Start: 513, Stop: 962, Start Num: 44

Candidate Starts for Mayweather_2:

(Start: 31 @474 has 16 MA's), (Start: 44 @513 has 2 MA's), (82, 636), (83, 639), (92, 687), (94, 699), (117, 774), (118, 780), (124, 819), (126, 828), (129, 849),

Gene: MiniMommy_1 Start: 132, Stop: 560, Start Num: 37

Candidate Starts for MiniMommy_1:

(Start: 37 @132 has 55 MA's), (114, 417), (135, 534),

Gene: MissSwiss_1 Start: 87, Stop: 554, Start Num: 37

Candidate Starts for MissSwiss_1:

(Start: 37 @87 has 55 MA's), (77, 216), (126, 453), (135, 504), (141, 525), (144, 534),

Gene: MortyNRick_1 Start: 50, Stop: 484, Start Num: 27

Candidate Starts for MortyNRick_1:

(Start: 27 @50 has 6 MA's), (50, 125), (54, 134), (Start: 64 @167 has 5 MA's), (66, 170), (85, 218), (92, 254), (96, 272), (109, 317), (118, 347), (124, 386),

Gene: MosMoris_31 Start: 9684, Stop: 10037, Start Num: 64

Candidate Starts for MosMoris_31:

(3, 9468), (Start: 42 @9603 has 9 MA's), (Start: 64 @9684 has 5 MA's), (93, 9804), (101, 9834), (118, 9894), (146, 10029),

Gene: Moss_1 Start: 139, Stop: 579, Start Num: 39

Candidate Starts for Moss_1:

(Start: 39 @139 has 8 MA's), (67, 232),

Gene: Muddy_4 Start: 1535, Stop: 2008, Start Num: 40

Candidate Starts for Muddy_4:

(22, 1487), (Start: 40 @1535 has 3 MA's), (57, 1598), (Start: 59 @1601 has 1 MA's), (68, 1631), (91, 1733), (142, 1958), (152, 1979), (153, 1988),

Gene: Mudpuppy_1 Start: 84, Stop: 536, Start Num: 37

Candidate Starts for Mudpuppy_1:

(6, 12), (25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: MunkgeeRoachy_1 Start: 52, Stop: 543, Start Num: 30

Candidate Starts for MunkgeeRoachy_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (92, 271), (105, 319), (117, 358), (118, 364), (155, 526),

Gene: Nebkiss_1 Start: 130, Stop: 579, Start Num: 33

Candidate Starts for Nebkiss_1:

(8, 58), (Start: 33 @130 has 24 MA's), (38, 145), (51, 187), (Start: 59 @214 has 1 MA's), (67, 238), (70, 262), (72, 268), (76, 283), (78, 286), (85, 331), (88, 343), (91, 364), (116, 451), (128, 517), (133, 550), (134, 553),

Gene: Nibbles_2 Start: 426, Stop: 923, Start Num: 31

Candidate Starts for Nibbles_2:

(23, 399), (Start: 31 @426 has 16 MA's), (Start: 55 @507 has 1 MA's), (92, 660), (97, 681), (118, 753), (124, 792), (150, 900),

Gene: Nina_1 Start: 52, Stop: 543, Start Num: 30

Candidate Starts for Nina_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (86, 241), (92, 271), (105, 319), (118, 364),

Gene: Niobe_1 Start: 85, Stop: 537, Start Num: 37

Candidate Starts for Niobe_1:

(Start: 37 @85 has 55 MA's), (77, 214), (130, 472), (135, 490), (141, 511), (144, 520),

Gene: Nitro_1 Start: 86, Stop: 538, Start Num: 37

Candidate Starts for Nitro_1:

(Start: 37 @86 has 55 MA's), (77, 215), (130, 473), (141, 512), (144, 521),

Gene: NoShow_1 Start: 166, Stop: 675, Start Num: 24

Candidate Starts for NoShow_1:

(3, 82), (7, 115), (Start: 24 @166 has 1 MA's), (Start: 35 @199 has 2 MA's), (48, 244), (57, 277), (86, 379), (99, 436), (109, 478), (118, 508), (128, 562), (142, 625),

Gene: Nodigi_1 Start: 50, Stop: 505, Start Num: 30

Candidate Starts for Nodigi_1:

(Start: 30 @50 has 24 MA's), (Start: 44 @89 has 2 MA's), (69, 179), (92, 263), (118, 356), (126, 404), (149, 491),

Gene: ObiToo_1 Start: 85, Stop: 549, Start Num: 37

Candidate Starts for ObiToo_1:

(Start: 37 @85 has 55 MA's), (141, 523),

Gene: Orla_1 Start: 49, Stop: 504, Start Num: 30

Candidate Starts for Orla_1:

(Start: 30 @49 has 24 MA's), (Start: 44 @88 has 2 MA's), (69, 178), (92, 262), (118, 355), (126, 403), (149, 490),

Gene: Percival_1 Start: 128, Stop: 607, Start Num: 39

Candidate Starts for Percival_1:

(12, 56), (Start: 39 @128 has 8 MA's), (43, 140), (100, 356), (106, 377), (122, 452), (130, 515), (140, 551),

Gene: Phives_2 Start: 1157, Stop: 1609, Start Num: 37

Candidate Starts for Phives_2:

(2, 1052), (Start: 37 @1157 has 55 MA's), (130, 1544), (135, 1562), (141, 1583),

Gene: Pixelle_1 Start: 84, Stop: 536, Start Num: 36

Candidate Starts for Pixelle_1:

(6, 12), (25, 54), (Start: 36 @84 has 1 MA's), (130, 471), (141, 510),

Gene: Poise_33 Start: 9822, Stop: 10175, Start Num: 64

Candidate Starts for Poise_33:

(Start: 37 @9732 has 55 MA's), (Start: 41 @9741 has 1 MA's), (Start: 64 @9822 has 5 MA's), (93, 9942), (101, 9972), (118, 10032), (146, 10167),

Gene: Pollux_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for Pollux_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: Pons_1 Start: 56, Stop: 547, Start Num: 31

Candidate Starts for Pons_1:

(Start: 31 @56 has 16 MA's), (Start: 44 @98 has 2 MA's), (Start: 59 @146 has 1 MA's), (82, 221), (83, 224), (92, 272), (117, 359), (118, 365), (124, 404), (126, 413), (129, 434),

Gene: Posh_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for Posh_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: PotPie_1 Start: 56, Stop: 547, Start Num: 31

Candidate Starts for PotPie_1:

(Start: 31 @56 has 16 MA's), (Start: 44 @98 has 2 MA's), (Start: 59 @146 has 1 MA's), (83, 224), (92, 272), (94, 284), (117, 359), (118, 365), (124, 404), (126, 413), (129, 434),

Gene: Powerpuff_1 Start: 84, Stop: 536, Start Num: 37

Candidate Starts for Powerpuff_1:

(25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: Pringar_33 Start: 10053, Stop: 10487, Start Num: 42

Candidate Starts for Pringar_33:

(3, 9918), (Start: 42 @10053 has 9 MA's), (Start: 64 @10134 has 5 MA's), (93, 10254), (101, 10284), (118, 10344), (146, 10479),

Gene: PsychoKiller_1 Start: 52, Stop: 543, Start Num: 30

Candidate Starts for PsychoKiller_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (92, 271), (105, 319), (118, 364),

Gene: Pumpkins_1 Start: 86, Stop: 550, Start Num: 37

Candidate Starts for Pumpkins_1:

(Start: 37 @86 has 55 MA's), (96, 305), (135, 503), (144, 533),

Gene: Pytheas_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for Pytheas_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (128, 436), (133, 472), (136, 481),

Gene: Quasar_1 Start: 679, Stop: 1164, Start Num: 30

Candidate Starts for Quasar_1:

(Start: 30 @679 has 24 MA's), (Start: 55 @757 has 1 MA's), (69, 808), (86, 862), (92, 892), (94, 904), (105, 940), (118, 985),

Gene: QueenHazel_1 Start: 67, Stop: 540, Start Num: 37

Candidate Starts for QueenHazel_1:

(Start: 31 @55 has 16 MA's), (Start: 37 @67 has 55 MA's), (63, 151), (73, 187), (97, 292), (101, 304), (102, 307), (113, 340), (116, 352), (124, 403), (145, 499), (148, 508),

Gene: Raela_33 Start: 10296, Stop: 10730, Start Num: 41

Candidate Starts for Raela_33:

(Start: 37 @10287 has 55 MA's), (Start: 41 @10296 has 1 MA's), (Start: 64 @10377 has 5 MA's), (93, 10497), (101, 10527), (118, 10587), (146, 10722),

Gene: RedBaron_1 Start: 52, Stop: 543, Start Num: 30

Candidate Starts for RedBaron_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (86, 241), (92, 271), (105, 319), (118, 364), (155, 526),

Gene: RedRaider77_33 Start: 10197, Stop: 10631, Start Num: 42

Candidate Starts for RedRaider77_33:

(3, 10062), (Start: 42 @10197 has 9 MA's), (Start: 64 @10278 has 5 MA's), (93, 10398), (101, 10428), (118, 10488), (146, 10623),

Gene: Reedo_1 Start: 95, Stop: 547, Start Num: 37

Candidate Starts for Reedo_1:

(Start: 37 @95 has 55 MA's), (Start: 45 @122 has 1 MA's), (77, 224), (135, 497), (141, 518), (144, 527),

Gene: Renaud18_1 Start: 55, Stop: 477, Start Num: 33

Candidate Starts for Renaud18_1:

(17, 16), (Start: 33 @55 has 24 MA's), (56, 136), (88, 238), (104, 307), (121, 376), (133, 445), (136, 454),

Gene: SPB78_1 Start: 51220, Stop: 426, Start Num: 27

Candidate Starts for SPB78_1:

(16, 51184), (Start: 27 @51220 has 6 MA's), (Start: 30 @51229 has 24 MA's), (52, 51298), (74, 51373), (85, 51406), (125, 51580),

Gene: Samy_4 Start: 1334, Stop: 1780, Start Num: 37

Candidate Starts for Samy_4:

(Start: 37 @1334 has 55 MA's), (81, 1484), (89, 1523), (102, 1577), (117, 1631),

Gene: ShakeltOph_1 Start: 132, Stop: 560, Start Num: 37

Candidate Starts for ShakeltOph_1:

(Start: 37 @132 has 55 MA's), (114, 417), (135, 534),

Gene: SheckWes_1 Start: 98, Stop: 547, Start Num: 44

Candidate Starts for SheckWes_1:

(Start: 31 @56 has 16 MA's), (Start: 44 @98 has 2 MA's), (Start: 59 @146 has 1 MA's), (82, 221), (83, 224), (92, 272), (94, 284), (117, 359), (118, 365), (124, 404), (126, 413), (129, 434),

Gene: Simpson_1 Start: 84, Stop: 536, Start Num: 37

Candidate Starts for Simpson_1:

(25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: SketchMex_1 Start: 52, Stop: 534, Start Num: 30

Candidate Starts for SketchMex_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (86, 241), (92, 271), (118, 364), (126, 412), (154, 523),

Gene: Snek_2 Start: 958, Stop: 1422, Start Num: 37

Candidate Starts for Snek_2:

(Start: 37 @958 has 55 MA's), (105, 1207), (141, 1396), (144, 1405),

Gene: Soondubu_1 Start: 140, Stop: 571, Start Num: 37

Candidate Starts for Soondubu_1:

(Start: 37 @140 has 55 MA's), (141, 545), (144, 554),

Gene: Sopespian_1 Start: 52, Stop: 543, Start Num: 30

Candidate Starts for Sopespian_1:

(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (92, 271), (105, 319), (118, 364),

Gene: Sparky_1 Start: 98, Stop: 529, Start Num: 33

Candidate Starts for Sparky_1:

(5, 2), (14, 35), (26, 74), (Start: 33 @98 has 24 MA's), (67, 209), (88, 281), (119, 407), (121, 422), (133, 497),

Gene: SteamedHams_1 Start: 59, Stop: 535, Start Num: 32

Candidate Starts for SteamedHams_1:

(18, 14), (Start: 32 @59 has 5 MA's), (47, 107), (69, 188), (86, 242), (92, 272), (118, 365), (126, 413), (154, 524),

Gene: SuMoo_1 Start: 124, Stop: 603, Start Num: 39

Candidate Starts for SuMoo_1:

(14, 58), (20, 79), (Start: 39 @124 has 8 MA's), (Start: 45 @145 has 1 MA's), (106, 373), (123, 457), (135, 526),

Gene: Success_49 Start: 25367, Stop: 25792, Start Num: 37

Candidate Starts for Success_49:

(Start: 37 @25367 has 55 MA's), (53, 25412), (58, 25433), (96, 25568), (102, 25586), (110, 25619), (121, 25664), (125, 25688), (135, 25748), (137, 25754),

Gene: Sue2_1 Start: 75, Stop: 542, Start Num: 37

Candidate Starts for Sue2_1:

(6, 12), (Start: 37 @75 has 55 MA's), (Start: 45 @102 has 1 MA's), (87, 249), (107, 342), (141, 513), (144, 522),

Gene: SummitAcademy_1 Start: 56, Stop: 547, Start Num: 31

Candidate Starts for SummitAcademy_1:

(Start: 31 @56 has 16 MA's), (Start: 44 @98 has 2 MA's), (Start: 59 @146 has 1 MA's), (82, 221), (83, 224), (92, 272), (117, 359), (118, 365), (124, 404), (126, 413), (129, 434),

Gene: Survivors_2 Start: 426, Stop: 911, Start Num: 31

Candidate Starts for Survivors_2:

(23, 399), (Start: 31 @426 has 16 MA's), (Start: 55 @507 has 1 MA's), (92, 660), (97, 681), (118, 753), (124, 792),

Gene: SweatNTears_2 Start: 757, Stop: 1155, Start Num: 55

Candidate Starts for SweatNTears_2:

(Start: 30 @679 has 24 MA's), (Start: 55 @757 has 1 MA's), (69, 808), (86, 862), (92, 892), (94, 904), (105, 940), (118, 985), (154, 1144),

Gene: TChen_1 Start: 55, Stop: 477, Start Num: 33

Candidate Starts for TChen_1:

(15, 7), (17, 16), (Start: 33 @55 has 24 MA's), (56, 136), (88, 238), (104, 307), (105, 310), (121, 376), (128, 409), (133, 445), (136, 454),

Gene: Tallboi_1 Start: 85, Stop: 537, Start Num: 37

Candidate Starts for Tallboi_1:

(Start: 37 @85 has 55 MA's), (141, 511),

Gene: Tbone_1 Start: 84, Stop: 536, Start Num: 37
Candidate Starts for Tbone_1:
(25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: Tesla_32 Start: 10046, Stop: 10480, Start Num: 42
Candidate Starts for Tesla_32:
(3, 9911), (Start: 42 @10046 has 9 MA's), (Start: 64 @10127 has 5 MA's), (93, 10247), (101, 10277),
(118, 10337), (146, 10472),

Gene: TforTroy_1 Start: 86, Stop: 550, Start Num: 37
Candidate Starts for TforTroy_1:
(Start: 37 @86 has 55 MA's), (60, 167), (96, 305), (135, 503), (144, 533),

Gene: ThetaBob_1 Start: 55, Stop: 477, Start Num: 33
Candidate Starts for ThetaBob_1:
(17, 16), (Start: 33 @55 has 24 MA's), (56, 136), (88, 238), (104, 307), (105, 310), (121, 376), (133,
445), (136, 454),

Gene: Tian_1 Start: 84, Stop: 536, Start Num: 36
Candidate Starts for Tian_1:
(6, 12), (25, 54), (Start: 36 @84 has 1 MA's), (130, 471), (141, 510),

Gene: Tolls_1 Start: 59, Stop: 535, Start Num: 32
Candidate Starts for Tolls_1:
(18, 14), (Start: 32 @59 has 5 MA's), (47, 107), (69, 188), (86, 242), (92, 272), (105, 320), (118, 365),
(126, 413), (154, 524),

Gene: Troje_1 Start: 53, Stop: 535, Start Num: 30
Candidate Starts for Troje_1:
(18, 14), (Start: 30 @53 has 24 MA's), (Start: 44 @98 has 2 MA's), (69, 188), (86, 242), (92, 272),
(118, 365), (126, 413), (154, 524),

Gene: Tuck_2 Start: 1145, Stop: 1597, Start Num: 37
Candidate Starts for Tuck_2:
(2, 1040), (Start: 37 @1145 has 55 MA's), (130, 1532), (135, 1550), (141, 1571),

Gene: Turab_1 Start: 85, Stop: 540, Start Num: 37
Candidate Starts for Turab_1:
(Start: 37 @85 has 55 MA's), (77, 214), (141, 511), (144, 520),

Gene: Tutumahutu_1 Start: 84, Stop: 536, Start Num: 37
Candidate Starts for Tutumahutu_1:
(25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: Tweety19_2 Start: 958, Stop: 1422, Start Num: 37
Candidate Starts for Tweety19_2:
(Start: 37 @958 has 55 MA's), (105, 1207), (141, 1396), (144, 1405),

Gene: Typhonomachy_1 Start: 52, Stop: 543, Start Num: 30
Candidate Starts for Typhonomachy_1:
(21, 22), (Start: 30 @52 has 24 MA's), (Start: 44 @97 has 2 MA's), (69, 187), (83, 223), (86, 241), (92,
271), (105, 319), (118, 364),

Gene: UtzChips_1 Start: 114, Stop: 596, Start Num: 39

Candidate Starts for UtzChips_1:

(Start: 35 @108 has 2 MA's), (Start: 39 @114 has 8 MA's), (106, 363), (123, 447), (135, 519),

Gene: VResidence_1 Start: 140, Stop: 604, Start Num: 37

Candidate Starts for VResidence_1:

(Start: 37 @140 has 55 MA's), (Start: 45 @167 has 1 MA's), (87, 314), (125, 503), (135, 557), (141, 578), (144, 587),

Gene: VWB_1 Start: 1, Stop: 480, Start Num: 27

Candidate Starts for VWB_1:

(Start: 27 @1 has 6 MA's), (Start: 30 @10 has 24 MA's), (50, 76), (74, 154), (85, 187), (125, 361), (126, 364),

Gene: VasuNzinga_33 Start: 9630, Stop: 10064, Start Num: 42

Candidate Starts for VasuNzinga_33:

(3, 9495), (Start: 42 @9630 has 9 MA's), (Start: 64 @9711 has 5 MA's), (93, 9831), (101, 9861), (118, 9921), (146, 10056),

Gene: Vine_2 Start: 681, Stop: 1172, Start Num: 31

Candidate Starts for Vine_2:

(Start: 31 @681 has 16 MA's), (47, 732), (Start: 55 @762 has 1 MA's), (69, 813), (83, 849), (92, 897), (94, 909), (105, 945), (117, 984), (118, 990), (124, 1029), (126, 1038), (129, 1059),

Gene: VroomVroom_1 Start: 132, Stop: 563, Start Num: 37

Candidate Starts for VroomVroom_1:

(Start: 37 @132 has 55 MA's), (65, 228), (108, 393), (130, 519),

Gene: Warda_1 Start: 84, Stop: 536, Start Num: 37

Candidate Starts for Warda_1:

(25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: Wildwest_2 Start: 1032, Stop: 1481, Start Num: 37

Candidate Starts for Wildwest_2:

(1, 825), (Start: 37 @1032 has 55 MA's), (95, 1248), (141, 1455), (144, 1464),

Gene: Wrigley_1 Start: 82, Stop: 504, Start Num: 33

Candidate Starts for Wrigley_1:

(Start: 29 @73 has 1 MA's), (Start: 33 @82 has 24 MA's), (80, 226), (88, 265), (102, 325), (119, 388), (128, 436), (133, 472), (136, 481),

Gene: Xula_1 Start: 67, Stop: 540, Start Num: 37

Candidate Starts for Xula_1:

(Start: 31 @55 has 16 MA's), (Start: 37 @67 has 55 MA's), (63, 151), (73, 187), (97, 292), (101, 304), (102, 307), (113, 340), (116, 352), (124, 403), (148, 508),

Gene: Yakult_1 Start: 48, Stop: 503, Start Num: 30

Candidate Starts for Yakult_1:

(Start: 30 @48 has 24 MA's), (Start: 59 @135 has 1 MA's), (69, 177), (92, 261), (118, 354), (126, 402), (149, 489),

Gene: Yang_1 Start: 84, Stop: 548, Start Num: 37

Candidate Starts for Yang_1:

(25, 54), (Start: 37 @84 has 55 MA's), (135, 501), (144, 531),

Gene: Yarn_1 Start: 59, Stop: 535, Start Num: 32

Candidate Starts for Yarn_1:

(18, 14), (Start: 32 @59 has 5 MA's), (47, 107), (69, 188), (86, 242), (92, 272), (105, 320), (118, 365), (126, 413), (154, 524),

Gene: YesChef_1 Start: 84, Stop: 536, Start Num: 37

Candidate Starts for YesChef_1:

(25, 54), (Start: 37 @84 has 55 MA's), (77, 213), (130, 471), (141, 510), (144, 519),

Gene: Yummy_1 Start: 53, Stop: 535, Start Num: 30

Candidate Starts for Yummy_1:

(18, 14), (Start: 30 @53 has 24 MA's), (Start: 44 @98 has 2 MA's), (69, 188), (86, 242), (92, 272), (118, 365), (126, 413), (154, 524),

Gene: Zareef_2 Start: 426, Stop: 923, Start Num: 31

Candidate Starts for Zareef_2:

(23, 399), (Start: 31 @426 has 16 MA's), (Start: 55 @507 has 1 MA's), (92, 660), (97, 681), (118, 753), (124, 792), (150, 900),