Pham 290856

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Row labels (left side):
- fr01: Phineas_22
- fr02: Chubbello_22
- fr03: Camster_22
- fr04: Langerak_22 + 1
- fr05: PeanutPie_22
- fr06: Jung_22
- fr07: Tortellini_22
- fr08: Xavia_22
- fr09: Nazo_22 + 1
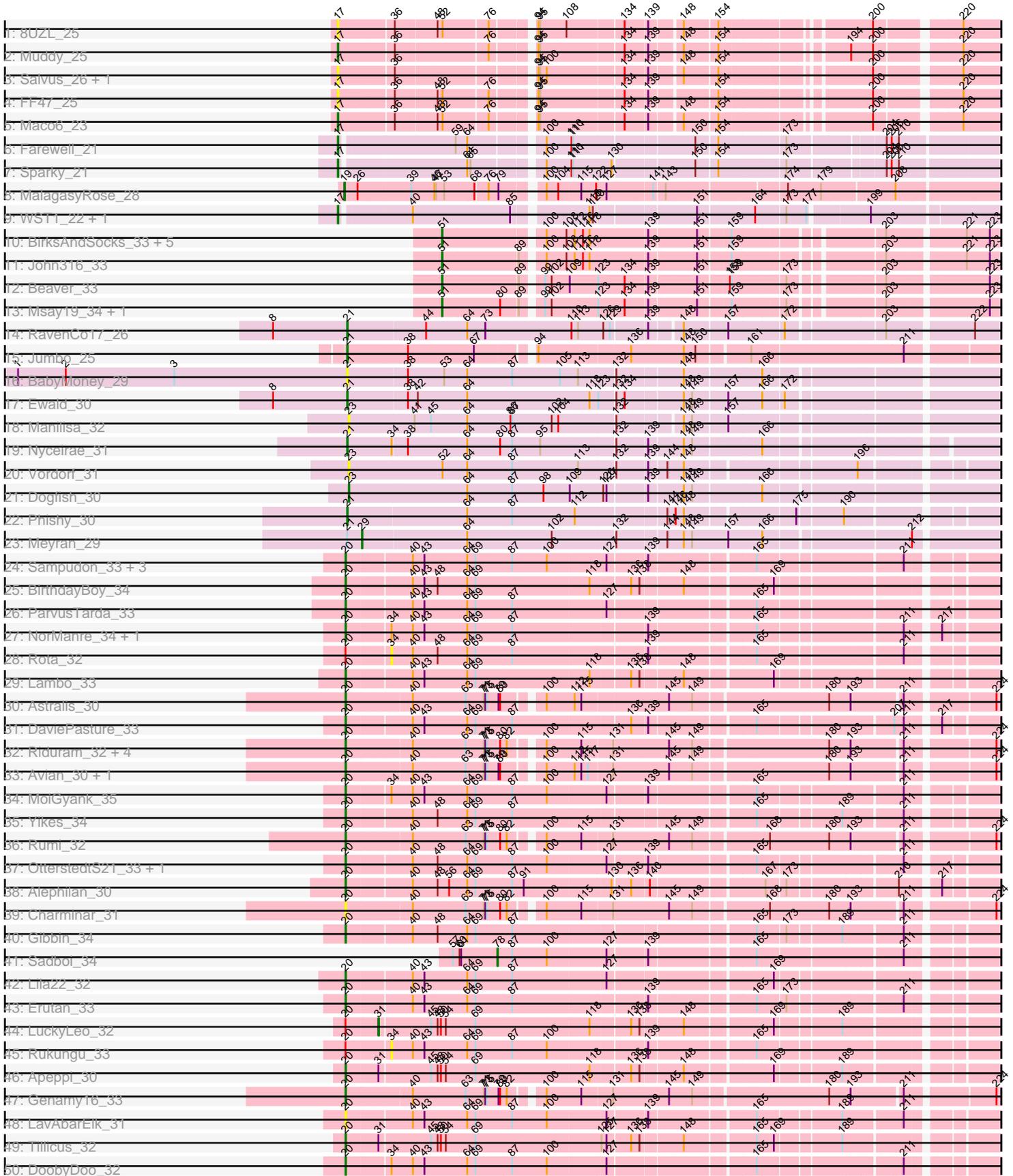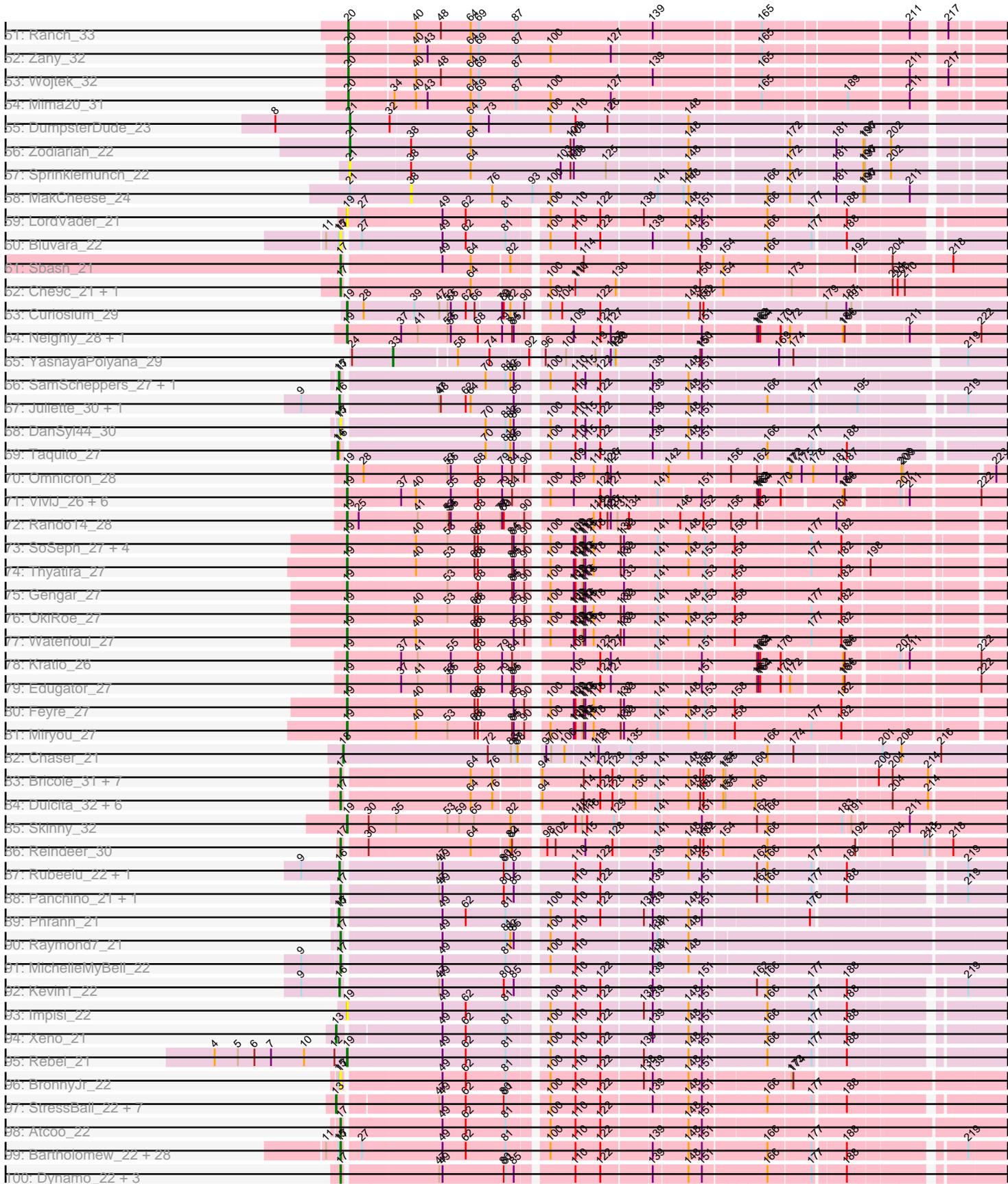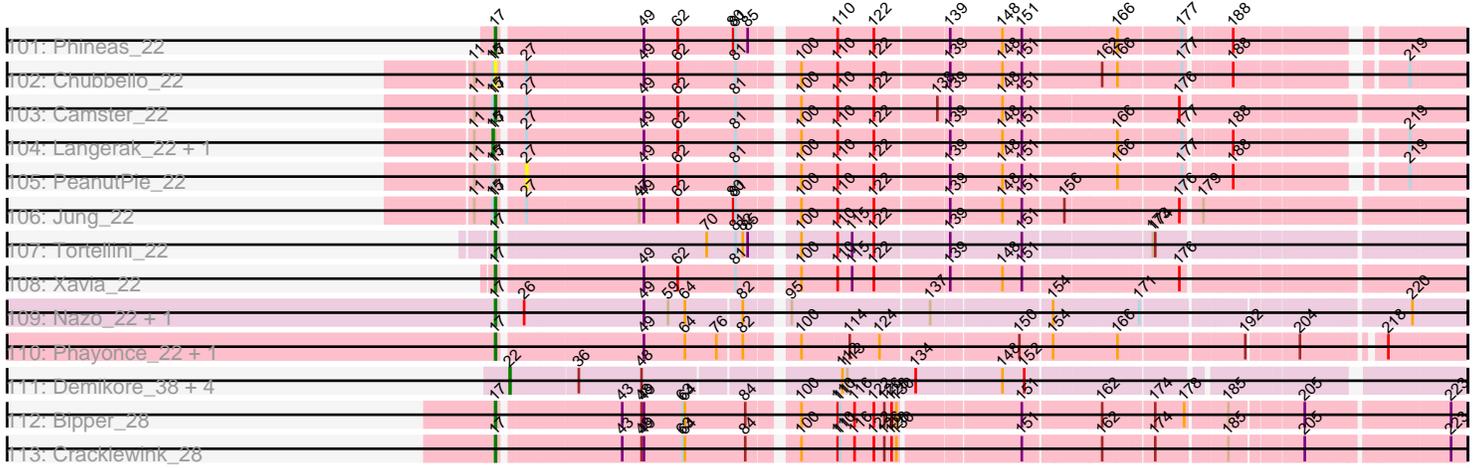- fr10: Phayonce_22 + 1
- fr11: Demikore_38 + 4
- fr12: Bipper_28
- fr13: Cracklewink_28

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 290856 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290856 has 205 members, 37 are drafts.

Phages represented in each track:
• Track 1 : 8UZL_25
• Track 2 : Muddy_25
• Track 3 : Salvus_26, LongHai_26
• Track 4 : FF47_25
• Track 5 : Maco6_23
• Track 6 : Farewell_21
• Track 7 : Sparky_21
• Track 8 : MalagasyRose_28
• Track 9 : WST1_22, IdentityCrisis_21
• Track 10 : BirksAndSocks_33, BillyBobJr_34, Jellybones_33, CinnamonToast_34, Boneham_33, Butterball_33
• Track 11 : John316_33
• Track 12 : Beaver_33
• Track 13 : Msay19_34, Poland_34
• Track 14 : RavenCo17_26
• Track 15 : Jumbo_25
• Track 16 : BabyMoney_29
• Track 17 : Ewald_30
• Track 18 : Manilisa_32
• Track 19 : Nyceirae_31
• Track 20 : Vordorf_31
• Track 21 : Dogfish_30
• Track 22 : Phishy_30
• Track 23 : Meyran_29
• Track 24 : Sampudon_33, Fulcrum_34, GOATification_34, Jalebi_32
• Track 25 : BirthdayBoy_34
• Track 26 : ParvusTarda_33
• Track 27 : NorManre_34, Patos_34
• Track 28 : Rota_32
• Track 29 : Lambo_33
• Track 30 : Astralis_30
• Track 31 : DaviePasture_33
• Track 32 : Riduram_32, NovaSharks_32, Jamemuya19_30, Alyssamiracle_33, RazorC_31
• Track 33 : Avian_30, Stormer_32
• Track 34 : MoiGyank_35
• Track 35 : Yikes_34

- Track 36 : Rumi_32
- Track 37 : OtterstedtS21_33, GretelLyn_33
- Track 38 : Alephilan_30
- Track 39 : Charminar_31
- Track 40 : Gibbin_34
- Track 41 : Sadboi_34
- Track 42 : Lila22_32
- Track 43 : Erutan_33
- Track 44 : LuckyLeo_32
- Track 45 : Rukungu_33
- Track 46 : Apeppi_30
- Track 47 : Genamy16_33
- Track 48 : LavAbarElk_31
- Track 49 : Tillicus_32
- Track 50 : DoobyDoo_32
- Track 51 : Ranch_33
- Track 52 : Zany_32
- Track 53 : Wojtek_32
- Track 54 : Mima20_31
- Track 55 : DumpsterDude_23
- Track 56 : Zodiariah_22
- Track 57 : Sprinklemunch_22
- Track 58 : MakCheese_24
- Track 59 : LordVader_21
- Track 60 : Bluvara_22
- Track 61 : Sbash_21
- Track 62 : Che9c_21, Purky_22
- Track 63 : Curiosium_29
- Track 64 : Neighly_28, Larva_28
- Track 65 : YasnayaPolyana_29
- Track 66 : SamScheppers_27, Eponine_29
- Track 67 : Juliette_30, Ruthiejr_29
- Track 68 : DanSyl44_30
- Track 69 : Taquito_27
- Track 70 : Omnicron_28
- Track 71 : ViviJ_26, InvictusManeo_27, LilDirt_26, Collard_27, BananenDer11_27, DoubleChamp_27, Agent47_27
- Track 72 : Rando14_28
- Track 73 : SoSeph_27, Heftyboy_27, Paola_27, Guillsminger_27, Leston_27
- Track 74 : Thyatira_27
- Track 75 : Gengar_27
- Track 76 : OkiRoe_27
- Track 77 : Waterfoul_27
- Track 78 : Kratio_26
- Track 79 : Edugator_27
- Track 80 : Feyre_27
- Track 81 : Miryou_27
- Track 82 : Chaser_21
- Track 83 : Bricole_31, FreakyGoo_32, IPhane7_31, TpudiCK_32, TyDawg_31, Bongo_31, PegLeg_31, LilhomieP_30
- Track 84 : Dulcita_32, Izel_32, Auspice_31, SlimJimmy_30, Diminimus_32, Glaske16_32, KleverKiS_31
- Track 85 : Skinny_32

- Track 86 : Reindeer_30
- Track 87 : Rubeelu_22, Butters_22
- Track 88 : Panchino_21, SkinnyPete_21
- Track 89 : Phrann_21
- Track 90 : Raymond7_21
- Track 91 : MichelleMyBell_22
- Track 92 : Kevin1_22
- Track 93 : Impisi_22
- Track 94 : Xeno_21
- Track 95 : Rebel_21
- Track 96 : BronnyJr_22
- Track 97 : StressBall_22, Glaske_22, Gavriela_22, KilKor_22, Phalm_22, Shweta_21, Megiddo_22, CactusJack_22
- Track 98 : Atcoo_22
- Track 99 : Bartholomew_22, Venti_22, Polkaroo_22, Bhagsy_22, Brusacoram_22, HUHilltop_22, Mangethe_22, Necropolis_22, Majeke_22, Babsiella_22, StevieRay_22, Bunnies_22, Vidya_22, Jebeks_22, Etoile_22, Donovan_22, Ksquared_22, Sonah_22, Thespis_22, HC_22, Zilizebeth_22, Kari_22, Phegasus_22, Arib1_22, Juniormint_22, Fishburne_22, GaloreK_22, FirstPlacePfu_22, Techage_22
- Track 100 : Dynamo_22, Andies_21, Willsammy_22, Scitech_21
- Track 101 : Phineas_22
- Track 102 : Chubbello_22
- Track 103 : Camster_22
- Track 104 : Langerak_22, Malithi_22
- Track 105 : PeanutPie_22
- Track 106 : Jung_22
- Track 107 : Tortellini_22
- Track 108 : Xavia_22
- Track 109 : Nazo_22, BigNuz_22
- Track 110 : Phayonce_22, ThulaThula_22
- Track 111 : Demikore_38, Labelle_37, Madruga_36, SuperSonics_37, Patience_38
- Track 112 : Bipper_28
- Track 113 : Cracklewink_28

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

The start number called the most often in the published annotations is 17, it was called in 67 of the 168 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- 8UZL_25, Andies_21, Arib1_22, Atcoo_22, Auspice_31, Babsiella_22, Bartholomew_22, Bhagsy_22, BigNuz_22, Bipper_28, Bluvara_22, Bongo_31, Bricole_31, BronnyJr_22, Brusacoram_22, Bunnies_22, Camster_22, Che9c_21, Chubbello_22, Cracklewink_28, DanSyl44_30, Diminimus_32, Donovan_22, Dulcita_32, Dynamo_22, Etoile_22, FF47_25, Farewell_21, FirstPlacePfu_22, Fishburne_22, FreakyGoo_32, GaloreK_22, Glaske16_32, HC_22, HUHilltop_22, IPhane7_31, IdentityCrisis_21, Izel_32, Jebeks_22, Jung_22, Juniormint_22, Kari_22, KleverKiS_31, Ksquared_22, LilhomieP_30, LongHai_26, Maco6_23, Majeke_22, Mangethe_22, MichelleMyBell_22, Muddy_25, Nazo_22, Necropolis_22, Panchino_21, PegLeg_31, Phayonce_22, Phegasus_22, Phineas_22, Polkaroo_22,

Purky_22, Raymond7_21, Reindeer_30, Salvus_26, Sbash_21, Scitech_21, SkinnyPete_21, SlimJimmy_30, Sonah_22, Sparky_21, StevieRay_22, Techage_22, Thespis_22, ThulaThula_22, Tortellini_22, TpudiCK_32, TyDawg_31, Venti_22, Vidya_22, WST1_22, Willsammy_22, Xavia_22, Zilizebeth_22,

Genes that have the "Most Annotated" start but do not call it:
• Eponine_29, Langerak_22, Malithi_22, PeanutPie_22, Phrann_21, SamScheppers_27,

Genes that do not have the "Most Annotated" start:
• Agent47_27, Alephilan_30, Alyssamiracle_33, Apeppi_30, Astralis_30, Avian_30, BabyMoney_29, BananenDer11_27, Beaver_33, BillyBobJr_34, BirksAndSocks_33, BirthdayBoy_34, Boneham_33, Butterball_33, Butters_22, CactusJack_22, Charminar_31, Chaser_21, CinnamonToast_34, Collard_27, Curiosium_29, DaviePasture_33, Demikore_38, Dogfish_30, DoobyDoo_32, DoubleChamp_27, DumpsterDude_23, Edugator_27, Erutan_33, Ewald_30, Feyre_27, Fulcrum_34, GOATification_34, Gavriela_22, Genamy16_33, Gengar_27, Gibbin_34, Glaske_22, GretelLyn_33, Guillsminger_27, Heftyboy_27, Impisi_22, InvictusManeo_27, Jalebi_32, Jamemuya19_30, Jellybones_33, John316_33, Juliette_30, Jumbo_25, Kevin1_22, KilKor_22, Kratio_26, Labelle_37, Lambo_33, Larva_28, LavAbarElk_31, Leston_27, LilDirt_26, Lila22_32, LordVader_21, LuckyLeo_32, Madruga_36, MakCheese_24, MalagasyRose_28, Manilisa_32, Megiddo_22, Meyran_29, Mima20_31, Miryou_27, MoiGyank_35, Msay19_34, Neighly_28, NorManre_34, NovaSharks_32, Nyceirae_31, OkiRoe_27, Omnicron_28, OtterstedtS21_33, Paola_27, ParvusTarda_33, Patience_38, Patos_34, Phalm_22, Phishy_30, Poland_34, Ranch_33, Rando14_28, RavenCo17_26, RazorC_31, Rebel_21, Riduram_32, Rota_32, Rubeelu_22, Rukungu_33, Rumi_32, Ruthiejr_29, Sadboi_34, Sampudon_33, Shweta_21, Skinny_32, SoSeph_27, Sprinklemunch_22, Stormer_32, StressBall_22, SuperSonics_37, Taquito_27, Thyatira_27, Tillicus_32, ViviJ_26, Vordorf_31, Waterfoul_27, Wojtek_32, Xeno_21, YasnayaPolyana_29, Yikes_34, Zany_32, Zodiariah_22,

Summary by start number:

Start 13:
• Found in 9 of 205 (4.4%) of genes in pham
• Manual Annotations of this start: 9 of 168
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CactusJack_22 (P1), Gavriela_22 (P1), Glaske_22 (P1), KilKor_22 (P1), Megiddo_22 (P1), Phalm_22 (P1), Shweta_21 (N), StressBall_22 (P1), Xeno_21 (N),

Start 14:
• Found in 1 of 205 (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: Taquito_27 (K4),

Start 15:
• Found in 41 of 205 (20.0%) of genes in pham
• Manual Annotations of this start: 5 of 168
• Called 12.2% of time when present

• Phage (with cluster) where this start called: Eponine_29 (K4), Langerak_22 (P1), Malithi_22 (P1), Phrann_21 (N), SamScheppers_27 (K4),

Start 16:
• Found in 6 of 205 (2.9%) of genes in pham
• Manual Annotations of this start: 5 of 168
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Butters_22 (N), Juliette_30 (K4), Kevin1_22 (N), Rubeelu_22 (N), Ruthiejr_29 (K4),

Start 17:
• Found in 88 of 205 (42.9%) of genes in pham
• Manual Annotations of this start: 67 of 168
• Called 93.2% of time when present
• Phage (with cluster) where this start called: 8UZL_25 (AB), Andies_21 (N), Arib1_22 (P1), Atcoo_22 (P1), Auspice_31 (M1), Babsiella_22 (I1), Bartholomew_22 (P1), Bhagsy_22 (P1), BigNuz_22 (P4), Bipper_28 (Y), Bluvara_22 (I), Bongo_31 (M1), Bricole_31 (M1), BronnyJr_22 (P1), Brusacoram_22 (P1), Bunnies_22 (P1), Camster_22 (P1), Che9c_21 (I2), Chubbello_22 (P1), Cracklewink_28 (Y), DanSyl44_30 (K4), Diminimus_32 (M1), Donovan_22 (P1), Dulcita_32 (M1), Dynamo_22 (P1), Etoile_22 (P1), FF47_25 (AB), Farewell_21 (AF), FirstPlacePfu_22 (P1), Fishburne_22 (P1), FreakyGoo_32 (M1), GaloreK_22 (P1), Glaske16_32 (M1), HC_22 (I1), HUHilltop_22 (P1), IPhane7_31 (M1), IdentityCrisis_21 (AJ), Izel_32 (M1), Jebeks_22 (P1), Jung_22 (P1), Juniormint_22 (P1), Kari_22 (P1), KleverKiS_31 (M1), Ksquared_22 (P1), LilhomieP_30 (M1), LongHai_26 (AB), Maco6_23 (AB), Majeke_22 (P1), Mangethe_22 (P1), MichelleMyBell_22 (N), Muddy_25 (AB), Nazo_22 (P4), Necropolis_22 (P1), Panchino_21 (N), PegLeg_31 (M1), Phayonce_22 (P5), Phegasus_22 (P1), Phineas_22 (P1), Polkaroo_22 (P1), Purky_22 (P6), Raymond7_21 (N), Reindeer_30 (M1), Salvus_26 (AB), Sbash_21 (I2), Scitech_21 (N), SkinnyPete_21 (N), SlimJimmy_30 (M1), Sonah_22 (P1), Sparky_21 (AF), StevieRay_22 (P1), Techage_22 (P1), Thespis_22 (P1), ThulaThula_22 (P5), Tortellini_22 (P2), TpudiCK_32 (M1), TyDawg_31 (M1), Venti_22 (P1), Vidya_22 (P1), WST1_22 (AJ), Willsammy_22 (P1), Xavia_22 (P3), Zilizebeth_22 (P1),

Start 18:
• Found in 1 of 205 (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: Chaser_21 (L4),

Start 19:
• Found in 30 of 205 (14.6%) of genes in pham
• Manual Annotations of this start: 24 of 168
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agent47_27 (K5), BananenDer11_27 (K5), Collard_27 (K5), Curiosium_29 (K1), DoubleChamp_27 (K5), Edugator_27 (K5), Feyre_27 (K5), Gengar_27 (K5), Guillsminger_27 (K5), Heftyboy_27 (K5), Impisi_22 (N), InvictusManeo_27 (K5), Kratio_26 (K5), Larva_28 (K5), Leston_27 (K5), LilDirt_26 (K5), LordVader_21 (F), MalagasyRose_28 (AG), Miryou_27 (K5), Neighly_28 (K3), OkiRoe_27 (K5), Omnicron_28 (K5), Paola_27 (K5), Rando14_28 (K5), Rebel_21 (N), Skinny_32 (M1), SoSeph_27 (K5), Thyatira_27 (K5), ViviJ_26 (K5), Waterfoul_27 (K5),

Start 20:
- Found in 40 of 205 (19.5%) of genes in pham
- Manual Annotations of this start: 33 of 168
- Called 92.5% of time when present
- Phage (with cluster) where this start called: Alephilan_30 (DV), Alyssamiracle_33 (DV), Apeppi_30 (DV), Astralis_30 (DV), Avian_30 (DV), BirthdayBoy_34 (DV), Charminar_31 (DV), DaviePasture_33 (DV), DoobyDoo_32 (DV), Erutan_33 (DV), Fulcrum_34 (DV), GOATification_34 (DV), Genamy16_33 (DV), Gibbin_34 (DV), GretelLyn_33 (DV), Jalebi_32 (DV), Jamemuya19_30 (DV), Lambo_33 (DV), LavAbarElk_31 (DV), Lila22_32 (DV), Mima20_31 (DV), MoiGyank_35 (DV), NorManre_34 (DV), NovaSharks_32 (DV), OtterstedtS21_33 (DV), ParvusTarda_33 (DV), Patos_34 (DV), Ranch_33 (DV), RazorC_31 (DV), Riduram_32 (DV), Rumi_32 (DV), Sampudon_33 (DV), Stormer_32 (DV), Tillicus_32 (DV), Wojtek_32 (DV), Yikes_34 (DV), Zany_32 (DV),

Start 21:
- Found in 11 of 205 (5.4%) of genes in pham
- Manual Annotations of this start: 7 of 168
- Called 81.8% of time when present
- Phage (with cluster) where this start called: BabyMoney_29 (DT), DumpsterDude_23 (DW), Ewald_30 (DT), Jumbo_25 (DF3), Nyceirae_31 (DT), Phishy_30 (DT), RavenCo17_26 (CZ8), Sprinklemunch_22 (DW), Zodiariah_22 (DW),

Start 22:
- Found in 5 of 205 (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: Demikore_38 (U), Labelle_37 (U), Madruga_36 (U), Patience_38 (U), SuperSonics_37 (U),

Start 23:
- Found in 3 of 205 (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: Dogfish_30 (DT), Manilisa_32 (DT), Vordorf_31 (DT),

Start 27:
- Found in 37 of 205 (18.0%) of genes in pham
- No Manual Annotations of this start.
- Called 2.7% of time when present
- Phage (with cluster) where this start called: PeanutPie_22 (P1),

Start 29:
- Found in 1 of 205 (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: Meyran_29 (DT),

Start 31:
- Found in 3 of 205 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 168
- Called 33.3% of time when present

• Phage (with cluster) where this start called: LuckyLeo_32 (DV),

Start 33:
• Found in 1 of 205 (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: YasnayaPolyana_29 (K4),

Start 34:
• Found in 8 of 205 (3.9%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Rota_32 (DV), Rukungu_33 (DV),

Start 38:
• Found in 7 of 205 (3.4%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: MakCheese_24 (DW),

Start 51:
• Found in 10 of 205 (4.9%) of genes in pham
• Manual Annotations of this start: 8 of 168
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beaver_33 (CS2), BillyBobJr_34 (CS2), BirksAndSocks_33 (CS2), Boneham_33 (CS2), Butterball_33 (CS2), CinnamonToast_34 (CS2), Jellybones_33 (CS2), John316_33 (CS2), Msay19_34 (CS2), Poland_34 (CS2),

Start 78:
• Found in 1 of 205 (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: Sadboi_34 (DV),

Summary by clusters:

There are 29 clusters represented in this pham: CZ8, K3, K1, P1, M1, K5, K4, DV, DW, DT, F, AG, I1, I2, DF3, CS2, P2, P3, AB, P6, P4, P5, I, AJ, N, L4, U, Y, AF,

Info for manual annotations of cluster AB:
•Start number 17 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster AF:
•Start number 17 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:
•Start number 19 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AJ:
•Start number 17 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster CS2:

•Start number 51 was manually annotated 8 times for cluster CS2.

Info for manual annotations of cluster CZ8:
•Start number 21 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DF3:
•Start number 21 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DT:
•Start number 21 was manually annotated 3 times for cluster DT.
•Start number 23 was manually annotated 1 time for cluster DT.
•Start number 29 was manually annotated 1 time for cluster DT.

Info for manual annotations of cluster DV:
•Start number 20 was manually annotated 33 times for cluster DV.
•Start number 31 was manually annotated 1 time for cluster DV.
•Start number 78 was manually annotated 1 time for cluster DV.

Info for manual annotations of cluster DW:
•Start number 21 was manually annotated 2 times for cluster DW.

Info for manual annotations of cluster I1:
•Start number 17 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 17 was manually annotated 2 times for cluster I2.

Info for manual annotations of cluster K1:
•Start number 19 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K4:
•Start number 14 was manually annotated 1 time for cluster K4.
•Start number 15 was manually annotated 2 times for cluster K4.
•Start number 16 was manually annotated 2 times for cluster K4.
•Start number 33 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:
•Start number 19 was manually annotated 20 times for cluster K5.

Info for manual annotations of cluster L4:
•Start number 18 was manually annotated 1 time for cluster L4.

Info for manual annotations of cluster M1:
•Start number 17 was manually annotated 14 times for cluster M1.
•Start number 19 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster N:
•Start number 13 was manually annotated 2 times for cluster N.
•Start number 15 was manually annotated 1 time for cluster N.
•Start number 16 was manually annotated 3 times for cluster N.

•Start number 17 was manually annotated 5 times for cluster N.
•Start number 19 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:
•Start number 13 was manually annotated 7 times for cluster P1.
•Start number 15 was manually annotated 2 times for cluster P1.
•Start number 17 was manually annotated 30 times for cluster P1.

Info for manual annotations of cluster P2:
•Start number 17 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:
•Start number 17 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:
•Start number 17 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:
•Start number 17 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:
•Start number 17 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster U:
•Start number 22 was manually annotated 3 times for cluster U.

Info for manual annotations of cluster Y:
•Start number 17 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: 8UZL_25 Start: 21727, Stop: 22752, Start Num: 17
Candidate Starts for 8UZL_25:
(Start: 17 @21727 has 67 MA's), (36, 21817), (48, 21886), (52, 21895), (76, 21973), (94, 22036), (95, 22039), (108, 22087), (134, 22183), (139, 22219), (148, 22270), (154, 22327), (200, 22564), (220, 22690),

Gene: Agent47_27 Start: 24079, Stop: 25143, Start Num: 19
Candidate Starts for Agent47_27:
(Start: 19 @24079 has 24 MA's), (37, 24169), (40, 24196), (55, 24259), (68, 24307), (79, 24346), (84, 24364), (100, 24409), (109, 24448), (122, 24496), (127, 24514), (141, 24589), (151, 24655), (162, 24745), (163, 24748), (164, 24751), (170, 24784), (184, 24883), (186, 24886), (207, 24970), (211, 24982), (222, 25099),

Gene: Alephilan_30 Start: 28717, Stop: 29766, Start Num: 20
Candidate Starts for Alephilan_30:
(Start: 20 @28717 has 33 MA's), (40, 28831), (48, 28873), (56, 28894), (64, 28927), (69, 28942), (87, 29005), (91, 29023), (130, 29176), (136, 29206), (140, 29233), (167, 29416), (173, 29446), (210, 29620), (217, 29674),

Gene: Alyssamiracle_33 Start: 27521, Stop: 28618, Start Num: 20

Candidate Starts for Alyssamiracle_33:
(Start: 20 @27521 has 33 MA's), (40, 27635), (63, 27728), (71, 27761), (73, 27764), (75, 27767), (80, 27788), (82, 27800), (100, 27848), (115, 27911), (131, 27965), (145, 28061), (149, 28103), (180, 28337), (193, 28376), (211, 28463), (224, 28610),

Gene: Andies_21 Start: 20194, Stop: 21228, Start Num: 17
Candidate Starts for Andies_21:
(Start: 17 @20194 has 67 MA's), (47, 20350), (49, 20356), (80, 20464), (81, 20467), (85, 20482), (110, 20569), (122, 20614), (139, 20695), (148, 20752), (151, 20776), (166, 20881), (177, 20953), (188, 20998),

Gene: Apeppi_30 Start: 28862, Stop: 29908, Start Num: 20
Candidate Starts for Apeppi_30:
(Start: 20 @28862 has 33 MA's), (Start: 31 @28919 has 1 MA's), (45, 29009), (48, 29018), (50, 29024), (54, 29033), (69, 29087), (118, 29285), (136, 29351), (138, 29363), (148, 29432), (169, 29573), (189, 29681),

Gene: Arib1_22 Start: 21305, Stop: 22342, Start Num: 17
Candidate Starts for Arib1_22:
(11, 21281), (Start: 15 @21302 has 5 MA's), (Start: 17 @21305 has 67 MA's), (27, 21329), (49, 21467), (62, 21509), (81, 21578), (100, 21638), (110, 21683), (122, 21728), (139, 21809), (148, 21866), (151, 21890), (166, 21995), (177, 22067), (188, 22112), (219, 22277),

Gene: Astralis_30 Start: 27111, Stop: 28208, Start Num: 20
Candidate Starts for Astralis_30:
(Start: 20 @27111 has 33 MA's), (40, 27225), (63, 27318), (71, 27351), (73, 27354), (75, 27357), (79, 27375), (80, 27378), (100, 27438), (112, 27489), (115, 27501), (145, 27651), (149, 27693), (180, 27927), (193, 27966), (211, 28053), (224, 28200),

Gene: Atcoo_22 Start: 21759, Stop: 22826, Start Num: 17
Candidate Starts for Atcoo_22:
(Start: 17 @21759 has 67 MA's), (49, 21921), (62, 21963), (81, 22032), (100, 22092), (110, 22137), (122, 22182), (148, 22320), (151, 22344),

Gene: Auspice_31 Start: 26992, Stop: 28047, Start Num: 17
Candidate Starts for Auspice_31:
(Start: 17 @26992 has 67 MA's), (64, 27205), (76, 27241), (94, 27304), (114, 27376), (122, 27406), (128, 27427), (136, 27463), (141, 27499), (148, 27547), (150, 27568), (152, 27574), (154, 27604), (155, 27607), (160, 27655), (204, 27865), (214, 27919),

Gene: Avian_30 Start: 27503, Stop: 28600, Start Num: 20
Candidate Starts for Avian_30:
(Start: 20 @27503 has 33 MA's), (40, 27617), (63, 27710), (71, 27743), (73, 27746), (75, 27749), (79, 27767), (80, 27770), (100, 27830), (112, 27881), (115, 27893), (117, 27905), (131, 27947), (145, 28043), (149, 28085), (180, 28319), (193, 28358), (211, 28445), (224, 28592),

Gene: Babsiella_22 Start: 21313, Stop: 22350, Start Num: 17
Candidate Starts for Babsiella_22:
(11, 21289), (Start: 15 @21310 has 5 MA's), (Start: 17 @21313 has 67 MA's), (27, 21337), (49, 21475), (62, 21517), (81, 21586), (100, 21646), (110, 21691), (122, 21736), (139, 21817), (148, 21874), (151, 21898), (166, 22003), (177, 22075), (188, 22120), (219, 22285),

Gene: BabyMoney_29 Start: 25948, Stop: 27033, Start Num: 21

Candidate Starts for BabyMoney_29:
(1, 25351), (2, 25438), (3, 25636), (Start: 21 @25948 has 7 MA's), (38, 26053), (53, 26116), (64, 26158), (87, 26236), (105, 26320), (113, 26350), (132, 26413), (148, 26521), (166, 26653),

Gene: BananenDer11_27 Start: 24040, Stop: 25104, Start Num: 19
Candidate Starts for BananenDer11_27:
(Start: 19 @24040 has 24 MA's), (37, 24130), (40, 24157), (55, 24220), (68, 24268), (79, 24307), (84, 24325), (100, 24370), (109, 24409), (122, 24457), (127, 24475), (141, 24550), (151, 24616), (162, 24706), (163, 24709), (164, 24712), (170, 24745), (184, 24844), (186, 24847), (207, 24931), (211, 24943), (222, 25060),

Gene: Bartholomew_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for Bartholomew_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: Beaver_33 Start: 37866, Stop: 38768, Start Num: 51
Candidate Starts for Beaver_33:
(Start: 51 @37866 has 8 MA's), (89, 38001), (99, 38031), (102, 38043), (109, 38076), (123, 38127), (134, 38175), (139, 38211), (151, 38292), (158, 38343), (159, 38346), (173, 38436), (203, 38583), (223, 38751),

Gene: Bhagsy_22 Start: 21306, Stop: 22343, Start Num: 17
Candidate Starts for Bhagsy_22:
(11, 21282), (Start: 15 @21303 has 5 MA's), (Start: 17 @21306 has 67 MA's), (27, 21330), (49, 21468), (62, 21510), (81, 21579), (100, 21639), (110, 21684), (122, 21729), (139, 21810), (148, 21867), (151, 21891), (166, 21996), (177, 22068), (188, 22113), (219, 22278),

Gene: BigNuz_22 Start: 21497, Stop: 22546, Start Num: 17
Candidate Starts for BigNuz_22:
(Start: 17 @21497 has 67 MA's), (26, 21518), (49, 21659), (59, 21689), (64, 21710), (82, 21773), (95, 21812), (137, 21971), (154, 22103), (171, 22199), (220, 22484),

Gene: BillyBobJr_34 Start: 37893, Stop: 38795, Start Num: 51
Candidate Starts for BillyBobJr_34:
(Start: 51 @37893 has 8 MA's), (100, 38061), (108, 38097), (112, 38112), (116, 38127), (118, 38139), (139, 38238), (151, 38319), (159, 38373), (203, 38610), (221, 38736), (223, 38778),

Gene: Bipper_28 Start: 26155, Stop: 27216, Start Num: 17
Candidate Starts for Bipper_28:
(Start: 17 @26155 has 67 MA's), (43, 26293), (48, 26314), (49, 26317), (63, 26365), (64, 26368), (84, 26443), (100, 26488), (110, 26530), (111, 26533), (116, 26551), (122, 26575), (126, 26587), (128, 26596), (130, 26602), (151, 26734), (162, 26824), (174, 26881), (178, 26917), (185, 26956), (205, 27037), (223, 27199),

Gene: BirksAndSocks_33 Start: 37840, Stop: 38742, Start Num: 51
Candidate Starts for BirksAndSocks_33:
(Start: 51 @37840 has 8 MA's), (100, 38008), (108, 38044), (112, 38059), (116, 38074), (118, 38086), (139, 38185), (151, 38266), (159, 38320), (203, 38557), (221, 38683), (223, 38725),

Gene: BirthdayBoy_34 Start: 29543, Stop: 30589, Start Num: 20
Candidate Starts for BirthdayBoy_34:

(Start: 20 @29543 has 33 MA's), (40, 29657), (43, 29678), (48, 29699), (64, 29753), (69, 29768), (118, 29966), (136, 30032), (138, 30044), (148, 30113), (169, 30254),

Gene: Bluvara_22 Start: 21380, Stop: 22417, Start Num: 17
Candidate Starts for Bluvara_22:
(11, 21356), (Start: 15 @21377 has 5 MA's), (Start: 17 @21380 has 67 MA's), (27, 21404), (49, 21542), (62, 21584), (81, 21653), (100, 21713), (110, 21758), (122, 21803), (139, 21884), (148, 21941), (151, 21965), (166, 22070), (177, 22142), (188, 22187),

Gene: Boneham_33 Start: 37839, Stop: 38741, Start Num: 51
Candidate Starts for Boneham_33:
(Start: 51 @37839 has 8 MA's), (100, 38007), (108, 38043), (112, 38058), (116, 38073), (118, 38085), (139, 38184), (151, 38265), (159, 38319), (203, 38556), (221, 38682), (223, 38724),

Gene: Bongo_31 Start: 26992, Stop: 28047, Start Num: 17
Candidate Starts for Bongo_31:
(Start: 17 @26992 has 67 MA's), (64, 27205), (76, 27241), (94, 27304), (114, 27376), (122, 27406), (128, 27427), (136, 27463), (141, 27499), (148, 27547), (150, 27568), (152, 27574), (154, 27604), (155, 27607), (160, 27655), (200, 27844), (204, 27865), (214, 27919),

Gene: Bricole_31 Start: 26978, Stop: 28033, Start Num: 17
Candidate Starts for Bricole_31:
(Start: 17 @26978 has 67 MA's), (64, 27191), (76, 27227), (94, 27290), (114, 27362), (122, 27392), (128, 27413), (136, 27449), (141, 27485), (148, 27533), (150, 27554), (152, 27560), (154, 27590), (155, 27593), (160, 27641), (200, 27830), (204, 27851), (214, 27905),

Gene: BronnyJr_22 Start: 21730, Stop: 22797, Start Num: 17
Candidate Starts for BronnyJr_22:
(Start: 15 @21727 has 5 MA's), (Start: 17 @21730 has 67 MA's), (49, 21892), (62, 21934), (81, 22003), (100, 22063), (110, 22108), (122, 22153), (138, 22222), (139, 22234), (148, 22291), (151, 22315), (173, 22453), (174, 22456),

Gene: Brusacoram_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for Brusacoram_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: Bunnies_22 Start: 21321, Stop: 22358, Start Num: 17
Candidate Starts for Bunnies_22:
(11, 21297), (Start: 15 @21318 has 5 MA's), (Start: 17 @21321 has 67 MA's), (27, 21345), (49, 21483), (62, 21525), (81, 21594), (100, 21654), (110, 21699), (122, 21744), (139, 21825), (148, 21882), (151, 21906), (166, 22011), (177, 22083), (188, 22128), (219, 22293),

Gene: Butterball_33 Start: 37839, Stop: 38741, Start Num: 51
Candidate Starts for Butterball_33:
(Start: 51 @37839 has 8 MA's), (100, 38007), (108, 38043), (112, 38058), (116, 38073), (118, 38085), (139, 38184), (151, 38265), (159, 38319), (203, 38556), (221, 38682), (223, 38724),

Gene: Butters_22 Start: 19998, Stop: 21038, Start Num: 16
Candidate Starts for Butters_22:
(9, 19932), (Start: 16 @19998 has 5 MA's), (47, 20157), (49, 20163), (80, 20271), (81, 20274), (85, 20289), (110, 20379), (122, 20424), (139, 20505), (148, 20562), (151, 20586), (162, 20673), (166,

20691), (177, 20763), (188, 20808), (219, 20973),

Gene: CactusJack_22 Start: 21561, Stop: 22601, Start Num: 13
Candidate Starts for CactusJack_22:
(Start: 13 @21561 has 9 MA's), (47, 21720), (49, 21726), (62, 21768), (80, 21834), (81, 21837), (100, 21897), (110, 21942), (122, 21987), (139, 22068), (148, 22125), (151, 22149), (166, 22254), (177, 22326), (188, 22371),

Gene: Camster_22 Start: 21300, Stop: 22367, Start Num: 17
Candidate Starts for Camster_22:
(11, 21276), (Start: 15 @21297 has 5 MA's), (Start: 17 @21300 has 67 MA's), (27, 21324), (49, 21462), (62, 21504), (81, 21573), (100, 21633), (110, 21678), (122, 21723), (138, 21792), (139, 21804), (148, 21861), (151, 21885), (176, 22056),

Gene: Charminar_31 Start: 27114, Stop: 28211, Start Num: 20
Candidate Starts for Charminar_31:
(Start: 20 @27114 has 33 MA's), (40, 27228), (63, 27321), (71, 27354), (73, 27357), (75, 27360), (80, 27381), (82, 27393), (100, 27441), (115, 27504), (131, 27558), (145, 27654), (149, 27696), (168, 27822), (180, 27930), (193, 27969), (211, 28056), (224, 28203),

Gene: Chaser_21 Start: 21531, Stop: 22616, Start Num: 18
Candidate Starts for Chaser_21:
(Start: 18 @21531 has 1 MA's), (72, 21783), (83, 21822), (87, 21831), (88, 21834), (97, 21861), (101, 21870), (106, 21894), (119, 21945), (121, 21951), (135, 22005), (166, 22221), (174, 22260), (201, 22401), (208, 22434), (216, 22503),

Gene: Che9c_21 Start: 21007, Stop: 22053, Start Num: 17
Candidate Starts for Che9c_21:
(Start: 17 @21007 has 67 MA's), (64, 21220), (100, 21331), (110, 21373), (111, 21376), (130, 21445), (150, 21577), (154, 21613), (173, 21721), (204, 21874), (206, 21883), (210, 21895),

Gene: Chubbello_22 Start: 21298, Stop: 22335, Start Num: 17
Candidate Starts for Chubbello_22:
(11, 21274), (Start: 15 @21295 has 5 MA's), (Start: 17 @21298 has 67 MA's), (27, 21322), (49, 21460), (62, 21502), (81, 21571), (100, 21631), (110, 21676), (122, 21721), (139, 21802), (148, 21859), (151, 21883), (162, 21970), (166, 21988), (177, 22060), (188, 22105), (219, 22270),

Gene: CinnamonToast_34 Start: 37893, Stop: 38795, Start Num: 51
Candidate Starts for CinnamonToast_34:
(Start: 51 @37893 has 8 MA's), (100, 38061), (108, 38097), (112, 38112), (116, 38127), (118, 38139), (139, 38238), (151, 38319), (159, 38373), (203, 38610), (221, 38736), (223, 38778),

Gene: Collard_27 Start: 24040, Stop: 25104, Start Num: 19
Candidate Starts for Collard_27:
(Start: 19 @24040 has 24 MA's), (37, 24130), (40, 24157), (55, 24220), (68, 24268), (79, 24307), (84, 24325), (100, 24370), (109, 24409), (122, 24457), (127, 24475), (141, 24550), (151, 24616), (162, 24706), (163, 24709), (164, 24712), (170, 24745), (184, 24844), (186, 24847), (207, 24931), (211, 24943), (222, 25060),

Gene: Cracklewink_28 Start: 26155, Stop: 27216, Start Num: 17
Candidate Starts for Cracklewink_28:
(Start: 17 @26155 has 67 MA's), (43, 26293), (48, 26314), (49, 26317), (63, 26365), (64, 26368), (84, 26443), (100, 26488), (110, 26530), (111, 26533), (116, 26551), (122, 26575), (126, 26587), (128,

26596), (130, 26602), (151, 26734), (162, 26824), (174, 26881), (185, 26956), (205, 27037), (223, 27199),

Gene: Curiosium_29 Start: 23069, Stop: 24148, Start Num: 19
Candidate Starts for Curiosium_29:
(Start: 19 @23069 has 24 MA's), (28, 23096), (39, 23183), (47, 23228), (53, 23243), (55, 23249), (62, 23276), (66, 23291), (79, 23336), (80, 23339), (82, 23351), (90, 23372), (100, 23399), (104, 23420), (122, 23486), (148, 23630), (150, 23651), (152, 23657), (179, 23855), (187, 23888), (191, 23897),

Gene: DanSyl44_30 Start: 25030, Stop: 26100, Start Num: 17
Candidate Starts for DanSyl44_30:
(Start: 15 @25027 has 5 MA's), (Start: 17 @25030 has 67 MA's), (70, 25270), (81, 25306), (82, 25315), (85, 25321), (100, 25366), (110, 25411), (115, 25429), (122, 25456), (139, 25537), (148, 25594), (151, 25618),

Gene: DaviePasture_33 Start: 29342, Stop: 30391, Start Num: 20
Candidate Starts for DaviePasture_33:
(Start: 20 @29342 has 33 MA's), (40, 29456), (43, 29477), (64, 29552), (69, 29567), (87, 29630), (136, 29831), (139, 29855), (165, 30026), (207, 30239), (211, 30254), (217, 30299),

Gene: Demikore_38 Start: 32041, Stop: 33081, Start Num: 22
Candidate Starts for Demikore_38:
(Start: 22 @32041 has 3 MA's), (36, 32119), (48, 32197), (112, 32410), (113, 32416), (134, 32494), (148, 32587), (152, 32614),

Gene: Diminimus_32 Start: 26991, Stop: 28046, Start Num: 17
Candidate Starts for Diminimus_32:
(Start: 17 @26991 has 67 MA's), (64, 27204), (76, 27240), (94, 27303), (114, 27375), (122, 27405), (128, 27426), (136, 27462), (141, 27498), (148, 27546), (150, 27567), (152, 27573), (154, 27603), (155, 27606), (160, 27654), (204, 27864), (214, 27918),

Gene: Dogfish_30 Start: 26617, Stop: 27699, Start Num: 23
Candidate Starts for Dogfish_30:
(Start: 23 @26617 has 1 MA's), (64, 26827), (87, 26905), (98, 26959), (109, 27004), (126, 27061), (127, 27067), (139, 27130), (148, 27187), (149, 27202), (166, 27319),

Gene: Donovan_22 Start: 21288, Stop: 22325, Start Num: 17
Candidate Starts for Donovan_22:
(11, 21264), (Start: 15 @21285 has 5 MA's), (Start: 17 @21288 has 67 MA's), (27, 21312), (49, 21450), (62, 21492), (81, 21561), (100, 21621), (110, 21666), (122, 21711), (139, 21792), (148, 21849), (151, 21873), (166, 21978), (177, 22050), (188, 22095), (219, 22260),

Gene: DoobyDoo_32 Start: 28492, Stop: 29541, Start Num: 20
Candidate Starts for DoobyDoo_32:
(Start: 20 @28492 has 33 MA's), (34, 28567), (40, 28606), (43, 28627), (64, 28702), (69, 28717), (87, 28780), (100, 28840), (127, 28942), (165, 29176), (211, 29404),

Gene: DoubleChamp_27 Start: 24040, Stop: 25104, Start Num: 19
Candidate Starts for DoubleChamp_27:
(Start: 19 @24040 has 24 MA's), (37, 24130), (40, 24157), (55, 24220), (68, 24268), (79, 24307), (84, 24325), (100, 24370), (109, 24409), (122, 24457), (127, 24475), (141, 24550), (151, 24616), (162, 24706), (163, 24709), (164, 24712), (170, 24745), (184, 24844), (186, 24847), (207, 24931), (211, 24943), (222, 25060),

Gene: Dulcita_32 Start: 26991, Stop: 28046, Start Num: 17
Candidate Starts for Dulcita_32:
(Start: 17 @26991 has 67 MA's), (64, 27204), (76, 27240), (94, 27303), (114, 27375), (122, 27405), (128, 27426), (136, 27462), (141, 27498), (148, 27546), (150, 27567), (152, 27573), (154, 27603), (155, 27606), (160, 27654), (204, 27864), (214, 27918),

Gene: DumpsterDude_23 Start: 21990, Stop: 23072, Start Num: 21
Candidate Starts for DumpsterDude_23:
(8, 21855), (Start: 21 @21990 has 7 MA's), (32, 22062), (64, 22200), (73, 22230), (100, 22338), (110, 22380), (126, 22434), (148, 22560),

Gene: Dynamo_22 Start: 21688, Stop: 22722, Start Num: 17
Candidate Starts for Dynamo_22:
(Start: 17 @21688 has 67 MA's), (47, 21844), (49, 21850), (80, 21958), (81, 21961), (85, 21976), (110, 22063), (122, 22108), (139, 22189), (148, 22246), (151, 22270), (166, 22375), (177, 22447), (188, 22492),

Gene: Edugator_27 Start: 24010, Stop: 25074, Start Num: 19
Candidate Starts for Edugator_27:
(Start: 19 @24010 has 24 MA's), (37, 24100), (41, 24130), (53, 24184), (55, 24190), (68, 24238), (79, 24277), (84, 24295), (85, 24298), (109, 24379), (122, 24427), (127, 24445), (151, 24586), (162, 24676), (163, 24679), (164, 24682), (170, 24715), (172, 24727), (184, 24814), (186, 24817), (222, 25030),

Gene: Eponine_29 Start: 24914, Stop: 25987, Start Num: 15
Candidate Starts for Eponine_29:
(Start: 15 @24914 has 5 MA's), (Start: 17 @24917 has 67 MA's), (70, 25157), (81, 25193), (82, 25202), (85, 25208), (100, 25253), (110, 25298), (115, 25316), (122, 25343), (139, 25424), (148, 25481), (151, 25505),

Gene: Erutan_33 Start: 29002, Stop: 30048, Start Num: 20
Candidate Starts for Erutan_33:
(Start: 20 @29002 has 33 MA's), (40, 29116), (43, 29137), (64, 29212), (69, 29227), (87, 29290), (139, 29515), (165, 29686), (173, 29731), (211, 29914),

Gene: Etoile_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for Etoile_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: Ewald_30 Start: 26639, Stop: 27724, Start Num: 21
Candidate Starts for Ewald_30:
(8, 26504), (Start: 21 @26639 has 7 MA's), (38, 26744), (42, 26762), (64, 26849), (118, 27062), (123, 27077), (132, 27104), (134, 27119), (148, 27212), (149, 27227), (157, 27284), (166, 27344), (172, 27377),

Gene: FF47_25 Start: 21654, Stop: 22679, Start Num: 17
Candidate Starts for FF47_25:
(Start: 17 @21654 has 67 MA's), (36, 21744), (48, 21813), (52, 21822), (76, 21900), (94, 21963), (95, 21966), (134, 22110), (139, 22146), (154, 22254), (200, 22491), (220, 22617),

Gene: Farewell_21 Start: 21884, Stop: 22930, Start Num: 17
Candidate Starts for Farewell_21:
(Start: 17 @21884 has 67 MA's), (59, 22076), (64, 22097), (100, 22208), (110, 22250), (111, 22253), (150, 22454), (154, 22490), (173, 22598), (204, 22751), (206, 22760), (210, 22772),

Gene: Feyre_27 Start: 23851, Stop: 24918, Start Num: 19
Candidate Starts for Feyre_27:
(Start: 19 @23851 has 24 MA's), (40, 23968), (66, 24073), (68, 24079), (85, 24139), (90, 24154), (100, 24181), (109, 24220), (110, 24223), (113, 24235), (114, 24238), (115, 24241), (118, 24256), (132, 24301), (133, 24307), (141, 24361), (148, 24409), (153, 24439), (158, 24484), (182, 24667),

Gene: FirstPlacePfu_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for FirstPlacePfu_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: Fishburne_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for Fishburne_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: FreakyGoo_32 Start: 26992, Stop: 28047, Start Num: 17
Candidate Starts for FreakyGoo_32:
(Start: 17 @26992 has 67 MA's), (64, 27205), (76, 27241), (94, 27304), (114, 27376), (122, 27406), (128, 27427), (136, 27463), (141, 27499), (148, 27547), (150, 27568), (152, 27574), (154, 27604), (155, 27607), (160, 27655), (200, 27844), (204, 27865), (214, 27919),

Gene: Fulcrum_34 Start: 29520, Stop: 30569, Start Num: 20
Candidate Starts for Fulcrum_34:
(Start: 20 @29520 has 33 MA's), (40, 29634), (43, 29655), (64, 29730), (69, 29745), (87, 29808), (100, 29868), (127, 29970), (139, 30033), (165, 30204), (211, 30432),

Gene: GOATification_34 Start: 29520, Stop: 30569, Start Num: 20
Candidate Starts for GOATification_34:
(Start: 20 @29520 has 33 MA's), (40, 29634), (43, 29655), (64, 29730), (69, 29745), (87, 29808), (100, 29868), (127, 29970), (139, 30033), (165, 30204), (211, 30432),

Gene: GaloreK_22 Start: 21295, Stop: 22332, Start Num: 17
Candidate Starts for GaloreK_22:
(11, 21271), (Start: 15 @21292 has 5 MA's), (Start: 17 @21295 has 67 MA's), (27, 21319), (49, 21457), (62, 21499), (81, 21568), (100, 21628), (110, 21673), (122, 21718), (139, 21799), (148, 21856), (151, 21880), (166, 21985), (177, 22057), (188, 22102), (219, 22267),

Gene: Gavriela_22 Start: 21561, Stop: 22601, Start Num: 13
Candidate Starts for Gavriela_22:
(Start: 13 @21561 has 9 MA's), (47, 21720), (49, 21726), (62, 21768), (80, 21834), (81, 21837), (100, 21897), (110, 21942), (122, 21987), (139, 22068), (148, 22125), (151, 22149), (166, 22254), (177, 22326), (188, 22371),

Gene: Genamy16_33 Start: 27521, Stop: 28618, Start Num: 20
Candidate Starts for Genamy16_33:

(Start: 20 @27521 has 33 MA's), (40, 27635), (63, 27728), (71, 27761), (73, 27764), (75, 27767), (79, 27785), (80, 27788), (82, 27800), (100, 27848), (115, 27911), (131, 27965), (145, 28061), (149, 28103), (180, 28337), (193, 28376), (211, 28463), (224, 28610),

Gene: Gengar_27 Start: 23958, Stop: 25028, Start Num: 19
Candidate Starts for Gengar_27:
(Start: 19 @23958 has 24 MA's), (53, 24132), (68, 24186), (84, 24243), (85, 24246), (90, 24261), (100, 24288), (109, 24327), (110, 24330), (113, 24342), (114, 24345), (115, 24348), (133, 24417), (141, 24471), (153, 24549), (158, 24594), (182, 24777),

Gene: Gibbin_34 Start: 29619, Stop: 30668, Start Num: 20
Candidate Starts for Gibbin_34:
(Start: 20 @29619 has 33 MA's), (40, 29733), (48, 29775), (64, 29829), (69, 29844), (87, 29907), (165, 30303), (173, 30348), (189, 30438), (211, 30531),

Gene: Glaske_22 Start: 21561, Stop: 22601, Start Num: 13
Candidate Starts for Glaske_22:
(Start: 13 @21561 has 9 MA's), (47, 21720), (49, 21726), (62, 21768), (80, 21834), (81, 21837), (100, 21897), (110, 21942), (122, 21987), (139, 22068), (148, 22125), (151, 22149), (166, 22254), (177, 22326), (188, 22371),

Gene: Glaske16_32 Start: 26991, Stop: 28046, Start Num: 17
Candidate Starts for Glaske16_32:
(Start: 17 @26991 has 67 MA's), (64, 27204), (76, 27240), (94, 27303), (114, 27375), (122, 27405), (128, 27426), (136, 27462), (141, 27498), (148, 27546), (150, 27567), (152, 27573), (154, 27603), (155, 27606), (160, 27654), (204, 27864), (214, 27918),

Gene: GretelLyn_33 Start: 29878, Stop: 30933, Start Num: 20
Candidate Starts for GretelLyn_33:
(Start: 20 @29878 has 33 MA's), (40, 29992), (48, 30034), (64, 30088), (69, 30103), (87, 30166), (100, 30226), (127, 30328), (139, 30391), (165, 30562), (211, 30796),

Gene: Guillsminger_27 Start: 23933, Stop: 25000, Start Num: 19
Candidate Starts for Guillsminger_27:
(Start: 19 @23933 has 24 MA's), (40, 24050), (53, 24107), (66, 24155), (68, 24161), (84, 24218), (85, 24221), (90, 24236), (100, 24263), (109, 24302), (110, 24305), (113, 24317), (114, 24320), (115, 24323), (118, 24338), (132, 24383), (133, 24389), (141, 24443), (148, 24491), (153, 24521), (158, 24566), (177, 24695), (182, 24749),

Gene: HC_22 Start: 21369, Stop: 22406, Start Num: 17
Candidate Starts for HC_22:
(11, 21345), (Start: 15 @21366 has 5 MA's), (Start: 17 @21369 has 67 MA's), (27, 21393), (49, 21531), (62, 21573), (81, 21642), (100, 21702), (110, 21747), (122, 21792), (139, 21873), (148, 21930), (151, 21954), (166, 22059), (177, 22131), (188, 22176), (219, 22341),

Gene: HUHilltop_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for HUHilltop_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: Heftyboy_27 Start: 24081, Stop: 25148, Start Num: 19
Candidate Starts for Heftyboy_27:

(Start: 19 @24081 has 24 MA's), (40, 24198), (53, 24255), (66, 24303), (68, 24309), (84, 24366), (85, 24369), (90, 24384), (100, 24411), (109, 24450), (110, 24453), (113, 24465), (114, 24468), (115, 24471), (118, 24486), (132, 24531), (133, 24537), (141, 24591), (148, 24639), (153, 24669), (158, 24714), (177, 24843), (182, 24897),

Gene: IPhane7_31 Start: 26992, Stop: 28047, Start Num: 17
Candidate Starts for IPhane7_31:
(Start: 17 @26992 has 67 MA's), (64, 27205), (76, 27241), (94, 27304), (114, 27376), (122, 27406), (128, 27427), (136, 27463), (141, 27499), (148, 27547), (150, 27568), (152, 27574), (154, 27604), (155, 27607), (160, 27655), (200, 27844), (204, 27865), (214, 27919),

Gene: IdentityCrisis_21 Start: 19031, Stop: 20086, Start Num: 17
Candidate Starts for IdentityCrisis_21:
(Start: 17 @19031 has 67 MA's), (40, 19148), (85, 19322), (118, 19439), (120, 19445), (151, 19610), (164, 19703), (173, 19751), (177, 19787), (199, 19880),

Gene: Impisi_22 Start: 20207, Stop: 21247, Start Num: 19
Candidate Starts for Impisi_22:
(Start: 19 @20207 has 24 MA's), (49, 20372), (62, 20414), (81, 20483), (100, 20543), (110, 20588), (122, 20633), (138, 20702), (139, 20714), (148, 20771), (151, 20795), (166, 20900), (177, 20972), (188, 21017),

Gene: InvictusManeo_27 Start: 24083, Stop: 25147, Start Num: 19
Candidate Starts for InvictusManeo_27:
(Start: 19 @24083 has 24 MA's), (37, 24173), (40, 24200), (55, 24263), (68, 24311), (79, 24350), (84, 24368), (100, 24413), (109, 24452), (122, 24500), (127, 24518), (141, 24593), (151, 24659), (162, 24749), (163, 24752), (164, 24755), (170, 24788), (184, 24887), (186, 24890), (207, 24974), (211, 24986), (222, 25103),

Gene: Izel_32 Start: 26991, Stop: 28046, Start Num: 17
Candidate Starts for Izel_32:
(Start: 17 @26991 has 67 MA's), (64, 27204), (76, 27240), (94, 27303), (114, 27375), (122, 27405), (128, 27426), (136, 27462), (141, 27498), (148, 27546), (150, 27567), (152, 27573), (154, 27603), (155, 27606), (160, 27654), (204, 27864), (214, 27918),

Gene: Jalebi_32 Start: 30054, Stop: 31103, Start Num: 20
Candidate Starts for Jalebi_32:
(Start: 20 @30054 has 33 MA's), (40, 30168), (43, 30189), (64, 30264), (69, 30279), (87, 30342), (100, 30402), (127, 30504), (139, 30567), (165, 30738), (211, 30966),

Gene: Jamemuya19_30 Start: 27111, Stop: 28208, Start Num: 20
Candidate Starts for Jamemuya19_30:
(Start: 20 @27111 has 33 MA's), (40, 27225), (63, 27318), (71, 27351), (73, 27354), (75, 27357), (80, 27378), (82, 27390), (100, 27438), (115, 27501), (131, 27555), (145, 27651), (149, 27693), (180, 27927), (193, 27966), (211, 28053), (224, 28200),

Gene: Jebeks_22 Start: 21284, Stop: 22321, Start Num: 17
Candidate Starts for Jebeks_22:
(11, 21260), (Start: 15 @21281 has 5 MA's), (Start: 17 @21284 has 67 MA's), (27, 21308), (49, 21446), (62, 21488), (81, 21557), (100, 21617), (110, 21662), (122, 21707), (139, 21788), (148, 21845), (151, 21869), (166, 21974), (177, 22046), (188, 22091), (219, 22256),

Gene: Jellybones_33 Start: 37898, Stop: 38800, Start Num: 51

Candidate Starts for Jellybones_33:
(Start: 51 @37898 has 8 MA's), (100, 38066), (108, 38102), (112, 38117), (116, 38132), (118, 38144), (139, 38243), (151, 38324), (159, 38378), (203, 38615), (221, 38741), (223, 38783),

Gene: John316_33 Start: 37851, Stop: 38753, Start Num: 51
Candidate Starts for John316_33:
(Start: 51 @37851 has 8 MA's), (89, 37986), (100, 38019), (108, 38055), (112, 38070), (116, 38085), (118, 38097), (139, 38196), (151, 38277), (159, 38331), (203, 38568), (221, 38694), (223, 38736),

Gene: Juliette_30 Start: 24531, Stop: 25565, Start Num: 16
Candidate Starts for Juliette_30:
(9, 24465), (Start: 16 @24531 has 5 MA's), (47, 24687), (48, 24690), (62, 24735), (64, 24744), (85, 24819), (110, 24906), (122, 24951), (139, 25032), (148, 25089), (151, 25113), (166, 25218), (177, 25290), (195, 25350), (219, 25500),

Gene: Jumbo_25 Start: 36377, Stop: 37471, Start Num: 21
Candidate Starts for Jumbo_25:
(Start: 21 @36377 has 7 MA's), (38, 36485), (67, 36602), (94, 36689), (136, 36851), (148, 36944), (150, 36965), (161, 37052), (211, 37319),

Gene: Jung_22 Start: 21225, Stop: 22292, Start Num: 17
Candidate Starts for Jung_22:
(11, 21201), (Start: 15 @21222 has 5 MA's), (Start: 17 @21225 has 67 MA's), (27, 21249), (47, 21381), (49, 21387), (62, 21429), (80, 21495), (81, 21498), (100, 21558), (110, 21603), (122, 21648), (139, 21729), (148, 21786), (151, 21810), (156, 21852), (176, 21981), (179, 22002),

Gene: Juniormint_22 Start: 21325, Stop: 22380, Start Num: 17
Candidate Starts for Juniormint_22:
(11, 21301), (Start: 15 @21322 has 5 MA's), (Start: 17 @21325 has 67 MA's), (27, 21349), (49, 21487), (62, 21529), (81, 21598), (100, 21676), (110, 21721), (122, 21766), (139, 21847), (148, 21904), (151, 21928), (166, 22033), (177, 22105), (188, 22150), (219, 22315),

Gene: Kari_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for Kari_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: Kevin1_22 Start: 19999, Stop: 21036, Start Num: 16
Candidate Starts for Kevin1_22:
(9, 19933), (Start: 16 @19999 has 5 MA's), (47, 20155), (49, 20161), (80, 20269), (85, 20287), (110, 20377), (122, 20422), (139, 20503), (151, 20584), (162, 20671), (166, 20689), (177, 20761), (188, 20806), (219, 20971),

Gene: KilKor_22 Start: 21561, Stop: 22601, Start Num: 13
Candidate Starts for KilKor_22:
(Start: 13 @21561 has 9 MA's), (47, 21720), (49, 21726), (62, 21768), (80, 21834), (81, 21837), (100, 21897), (110, 21942), (122, 21987), (139, 22068), (148, 22125), (151, 22149), (166, 22254), (177, 22326), (188, 22371),

Gene: KleverKiS_31 Start: 26972, Stop: 28027, Start Num: 17
Candidate Starts for KleverKiS_31:

(Start: 17 @26972 has 67 MA's), (64, 27185), (76, 27221), (94, 27284), (114, 27356), (122, 27386), (128, 27407), (136, 27443), (141, 27479), (148, 27527), (150, 27548), (152, 27554), (154, 27584), (155, 27587), (160, 27635), (204, 27845), (214, 27899),

Gene: Kratio_26 Start: 23714, Stop: 24778, Start Num: 19
Candidate Starts for Kratio_26:
(Start: 19 @23714 has 24 MA's), (37, 23804), (41, 23834), (55, 23894), (68, 23942), (79, 23981), (84, 23999), (109, 24083), (122, 24131), (127, 24149), (141, 24224), (151, 24290), (162, 24380), (163, 24383), (164, 24386), (170, 24419), (184, 24518), (186, 24521), (207, 24605), (211, 24617), (222, 24734),

Gene: Ksquared_22 Start: 21321, Stop: 22358, Start Num: 17
Candidate Starts for Ksquared_22:
(11, 21297), (Start: 15 @21318 has 5 MA's), (Start: 17 @21321 has 67 MA's), (27, 21345), (49, 21483), (62, 21525), (81, 21594), (100, 21654), (110, 21699), (122, 21744), (139, 21825), (148, 21882), (151, 21906), (166, 22011), (177, 22083), (188, 22128), (219, 22293),

Gene: Labelle_37 Start: 32043, Stop: 33083, Start Num: 22
Candidate Starts for Labelle_37:
(Start: 22 @32043 has 3 MA's), (36, 32121), (48, 32199), (112, 32412), (113, 32418), (134, 32496), (148, 32589), (152, 32616),

Gene: Lambo_33 Start: 29541, Stop: 30587, Start Num: 20
Candidate Starts for Lambo_33:
(Start: 20 @29541 has 33 MA's), (40, 29655), (43, 29676), (64, 29751), (69, 29766), (118, 29964), (136, 30030), (138, 30042), (148, 30111), (169, 30252),

Gene: Langerak_22 Start: 21280, Stop: 22320, Start Num: 15
Candidate Starts for Langerak_22:
(11, 21259), (Start: 15 @21280 has 5 MA's), (Start: 17 @21283 has 67 MA's), (27, 21307), (49, 21445), (62, 21487), (81, 21556), (100, 21616), (110, 21661), (122, 21706), (139, 21787), (148, 21844), (151, 21868), (166, 21973), (177, 22045), (188, 22090), (219, 22255),

Gene: Larva_28 Start: 23878, Stop: 24942, Start Num: 19
Candidate Starts for Larva_28:
(Start: 19 @23878 has 24 MA's), (37, 23968), (41, 23998), (53, 24052), (55, 24058), (68, 24106), (79, 24145), (84, 24163), (85, 24166), (109, 24247), (122, 24295), (127, 24313), (151, 24454), (162, 24544), (163, 24547), (164, 24550), (170, 24583), (172, 24595), (184, 24682), (186, 24685), (211, 24781), (222, 24898),

Gene: LavAbarElk_31 Start: 27993, Stop: 29042, Start Num: 20
Candidate Starts for LavAbarElk_31:
(Start: 20 @27993 has 33 MA's), (40, 28107), (43, 28128), (64, 28203), (69, 28218), (87, 28281), (100, 28341), (127, 28443), (139, 28506), (165, 28677), (189, 28812), (211, 28905),

Gene: Leston_27 Start: 24063, Stop: 25130, Start Num: 19
Candidate Starts for Leston_27:
(Start: 19 @24063 has 24 MA's), (40, 24180), (53, 24237), (66, 24285), (68, 24291), (84, 24348), (85, 24351), (90, 24366), (100, 24393), (109, 24432), (110, 24435), (113, 24447), (114, 24450), (115, 24453), (118, 24468), (132, 24513), (133, 24519), (141, 24573), (148, 24621), (153, 24651), (158, 24696), (177, 24825), (182, 24879),

Gene: LilDirt_26 Start: 23840, Stop: 24904, Start Num: 19

Candidate Starts for LilDirt_26:
(Start: 19 @23840 has 24 MA's), (37, 23930), (40, 23957), (55, 24020), (68, 24068), (79, 24107), (84, 24125), (100, 24170), (109, 24209), (122, 24257), (127, 24275), (141, 24350), (151, 24416), (162, 24506), (163, 24509), (164, 24512), (170, 24545), (184, 24644), (186, 24647), (207, 24731), (211, 24743), (222, 24860),

Gene: Lila22_32 Start: 29496, Stop: 30542, Start Num: 20
Candidate Starts for Lila22_32:
(Start: 20 @29496 has 33 MA's), (40, 29610), (43, 29631), (64, 29706), (69, 29721), (87, 29784), (127, 29946), (169, 30207),

Gene: LilhomieP_30 Start: 26992, Stop: 28047, Start Num: 17
Candidate Starts for LilhomieP_30:
(Start: 17 @26992 has 67 MA's), (64, 27205), (76, 27241), (94, 27304), (114, 27376), (122, 27406), (128, 27427), (136, 27463), (141, 27499), (148, 27547), (150, 27568), (152, 27574), (154, 27604), (155, 27607), (160, 27655), (200, 27844), (204, 27865), (214, 27919),

Gene: LongHai_26 Start: 22028, Stop: 23053, Start Num: 17
Candidate Starts for LongHai_26:
(Start: 17 @22028 has 67 MA's), (36, 22118), (94, 22337), (95, 22340), (100, 22352), (134, 22484), (139, 22520), (148, 22571), (154, 22628), (200, 22865), (220, 22991),

Gene: LordVader_21 Start: 19492, Stop: 20529, Start Num: 19
Candidate Starts for LordVader_21:
(Start: 19 @19492 has 24 MA's), (27, 19516), (49, 19654), (62, 19696), (81, 19765), (100, 19825), (110, 19870), (122, 19915), (138, 19984), (148, 20053), (151, 20077), (166, 20182), (177, 20254), (188, 20299),

Gene: LuckyLeo_32 Start: 28919, Stop: 29908, Start Num: 31
Candidate Starts for LuckyLeo_32:
(Start: 20 @28862 has 33 MA's), (Start: 31 @28919 has 1 MA's), (45, 29009), (48, 29018), (50, 29024), (54, 29033), (69, 29087), (118, 29285), (136, 29351), (138, 29363), (148, 29432), (169, 29573), (189, 29681),

Gene: Maco6_23 Start: 20985, Stop: 22013, Start Num: 17
Candidate Starts for Maco6_23:
(Start: 17 @20985 has 67 MA's), (36, 21075), (48, 21144), (52, 21153), (76, 21231), (94, 21294), (95, 21297), (134, 21441), (139, 21477), (148, 21528), (154, 21585), (200, 21825), (220, 21951),

Gene: Madruga_36 Start: 31712, Stop: 32752, Start Num: 22
Candidate Starts for Madruga_36:
(Start: 22 @31712 has 3 MA's), (36, 31790), (48, 31868), (112, 32081), (113, 32087), (134, 32165), (148, 32258), (152, 32285),

Gene: Majeke_22 Start: 21305, Stop: 22342, Start Num: 17
Candidate Starts for Majeke_22:
(11, 21281), (Start: 15 @21302 has 5 MA's), (Start: 17 @21305 has 67 MA's), (27, 21329), (49, 21467), (62, 21509), (81, 21578), (100, 21638), (110, 21683), (122, 21728), (139, 21809), (148, 21866), (151, 21890), (166, 21995), (177, 22067), (188, 22112), (219, 22277),

Gene: MakCheese_24 Start: 21714, Stop: 22658, Start Num: 38
Candidate Starts for MakCheese_24:

(Start: 21 @21606 has 7 MA's), (38, 21714), (76, 21855), (93, 21927), (100, 21960), (141, 22134), (147, 22173), (148, 22182), (166, 22305), (172, 22338), (181, 22410), (196, 22458), (197, 22461), (211, 22524),

Gene: MalagasyRose_28 Start: 22698, Stop: 23777, Start Num: 19
Candidate Starts for MalagasyRose_28:
(Start: 19 @22698 has 24 MA's), (26, 22719), (39, 22812), (46, 22854), (47, 22857), (53, 22872), (68, 22926), (76, 22947), (79, 22965), (100, 23028), (104, 23049), (115, 23088), (122, 23115), (127, 23133), (141, 23211), (143, 23229), (174, 23424), (179, 23484), (208, 23607),

Gene: Malithi_22 Start: 21221, Stop: 22261, Start Num: 15
Candidate Starts for Malithi_22:
(11, 21200), (Start: 15 @21221 has 5 MA's), (Start: 17 @21224 has 67 MA's), (27, 21248), (49, 21386), (62, 21428), (81, 21497), (100, 21557), (110, 21602), (122, 21647), (139, 21728), (148, 21785), (151, 21809), (166, 21914), (177, 21986), (188, 22031), (219, 22196),

Gene: Mangethe_22 Start: 21305, Stop: 22342, Start Num: 17
Candidate Starts for Mangethe_22:
(11, 21281), (Start: 15 @21302 has 5 MA's), (Start: 17 @21305 has 67 MA's), (27, 21329), (49, 21467), (62, 21509), (81, 21578), (100, 21638), (110, 21683), (122, 21728), (139, 21809), (148, 21866), (151, 21890), (166, 21995), (177, 22067), (188, 22112), (219, 22277),

Gene: Manilisa_32 Start: 27398, Stop: 28474, Start Num: 23
Candidate Starts for Manilisa_32:
(Start: 23 @27398 has 1 MA's), (41, 27515), (45, 27545), (64, 27608), (86, 27683), (87, 27686), (102, 27755), (104, 27767), (132, 27860), (148, 27962), (149, 27977), (157, 28034),

Gene: Megiddo_22 Start: 21561, Stop: 22601, Start Num: 13
Candidate Starts for Megiddo_22:
(Start: 13 @21561 has 9 MA's), (47, 21720), (49, 21726), (62, 21768), (80, 21834), (81, 21837), (100, 21897), (110, 21942), (122, 21987), (139, 22068), (148, 22125), (151, 22149), (166, 22254), (177, 22326), (188, 22371),

Gene: Meyran_29 Start: 27126, Stop: 28187, Start Num: 29
Candidate Starts for Meyran_29:
(Start: 21 @27099 has 7 MA's), (Start: 29 @27126 has 1 MA's), (64, 27309), (102, 27456), (132, 27561), (144, 27642), (148, 27669), (149, 27684), (157, 27747), (166, 27807), (212, 28044),

Gene: MichelleMyBell_22 Start: 20029, Stop: 21114, Start Num: 17
Candidate Starts for MichelleMyBell_22:
(9, 19963), (Start: 17 @20029 has 67 MA's), (49, 20191), (81, 20302), (100, 20362), (110, 20407), (139, 20533), (141, 20542), (148, 20590),

Gene: Mima20_31 Start: 29243, Stop: 30292, Start Num: 20
Candidate Starts for Mima20_31:
(Start: 20 @29243 has 33 MA's), (34, 29318), (40, 29357), (43, 29378), (64, 29453), (69, 29468), (87, 29531), (100, 29591), (127, 29693), (165, 29927), (189, 30062), (211, 30155),

Gene: Miryou_27 Start: 23918, Stop: 24985, Start Num: 19
Candidate Starts for Miryou_27:
(Start: 19 @23918 has 24 MA's), (40, 24035), (53, 24092), (66, 24140), (68, 24146), (84, 24203), (85, 24206), (90, 24221), (100, 24248), (109, 24287), (110, 24290), (113, 24302), (114, 24305), (115, 24308), (118, 24323), (132, 24368), (133, 24374), (141, 24428), (148, 24476), (153, 24506), (158,

24551), (177, 24680), (182, 24734),

Gene: MoiGyank_35 Start: 29924, Stop: 30973, Start Num: 20
Candidate Starts for MoiGyank_35:
(Start: 20 @29924 has 33 MA's), (34, 29999), (40, 30038), (43, 30059), (64, 30134), (69, 30149), (87, 30212), (100, 30272), (127, 30374), (139, 30437), (165, 30608), (211, 30836),

Gene: Msay19_34 Start: 38032, Stop: 38934, Start Num: 51
Candidate Starts for Msay19_34:
(Start: 51 @38032 has 8 MA's), (80, 38137), (89, 38167), (99, 38197), (102, 38209), (123, 38293), (134, 38341), (139, 38377), (151, 38458), (159, 38512), (173, 38602), (203, 38749), (223, 38917),

Gene: Muddy_25 Start: 21935, Stop: 22960, Start Num: 17
Candidate Starts for Muddy_25:
(Start: 17 @21935 has 67 MA's), (36, 22025), (76, 22181), (94, 22244), (95, 22247), (134, 22391), (139, 22427), (148, 22478), (154, 22535), (194, 22733), (200, 22772), (220, 22898),

Gene: Nazo_22 Start: 21497, Stop: 22546, Start Num: 17
Candidate Starts for Nazo_22:
(Start: 17 @21497 has 67 MA's), (26, 21518), (49, 21659), (59, 21689), (64, 21710), (82, 21773), (95, 21812), (137, 21971), (154, 22103), (171, 22199), (220, 22484),

Gene: Necropolis_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for Necropolis_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: Neighly_28 Start: 23877, Stop: 24941, Start Num: 19
Candidate Starts for Neighly_28:
(Start: 19 @23877 has 24 MA's), (37, 23967), (41, 23997), (53, 24051), (55, 24057), (68, 24105), (79, 24144), (84, 24162), (85, 24165), (109, 24246), (122, 24294), (127, 24312), (151, 24453), (162, 24543), (163, 24546), (164, 24549), (170, 24582), (172, 24594), (184, 24681), (186, 24684), (211, 24780), (222, 24897),

Gene: NorManre_34 Start: 29125, Stop: 30174, Start Num: 20
Candidate Starts for NorManre_34:
(Start: 20 @29125 has 33 MA's), (34, 29200), (40, 29239), (43, 29260), (64, 29335), (69, 29350), (87, 29413), (139, 29638), (165, 29809), (211, 30037), (217, 30082),

Gene: NovaSharks_32 Start: 27111, Stop: 28208, Start Num: 20
Candidate Starts for NovaSharks_32:
(Start: 20 @27111 has 33 MA's), (40, 27225), (63, 27318), (71, 27351), (73, 27354), (75, 27357), (80, 27378), (82, 27390), (100, 27438), (115, 27501), (131, 27555), (145, 27651), (149, 27693), (180, 27927), (193, 27966), (211, 28053), (224, 28200),

Gene: Nyceirae_31 Start: 26839, Stop: 27909, Start Num: 21
Candidate Starts for Nyceirae_31:
(Start: 21 @26839 has 7 MA's), (34, 26920), (38, 26944), (64, 27049), (80, 27106), (87, 27127), (95, 27175), (132, 27301), (139, 27352), (148, 27409), (149, 27424), (166, 27541),

Gene: OkiRoe_27 Start: 23934, Stop: 25001, Start Num: 19
Candidate Starts for OkiRoe_27:

(Start: 19 @23934 has 24 MA's), (40, 24051), (53, 24108), (66, 24156), (68, 24162), (85, 24222), (90, 24237), (100, 24264), (109, 24303), (110, 24306), (113, 24318), (114, 24321), (115, 24324), (118, 24339), (132, 24384), (133, 24390), (141, 24444), (148, 24492), (153, 24522), (158, 24567), (177, 24696), (182, 24750),

Gene: Omnicron_28 Start: 22797, Stop: 23876, Start Num: 19
Candidate Starts for Omnicron_28:
(Start: 19 @22797 has 24 MA's), (28, 22824), (53, 22971), (55, 22977), (68, 23025), (79, 23064), (84, 23082), (90, 23100), (109, 23166), (118, 23202), (126, 23226), (127, 23232), (142, 23325), (156, 23427), (162, 23472), (172, 23517), (173, 23520), (175, 23538), (178, 23559), (181, 23601), (187, 23619), (208, 23715), (209, 23718), (223, 23859),

Gene: OtterstedtS21_33 Start: 29200, Stop: 30249, Start Num: 20
Candidate Starts for OtterstedtS21_33:
(Start: 20 @29200 has 33 MA's), (40, 29314), (48, 29356), (64, 29410), (69, 29425), (87, 29488), (100, 29548), (127, 29650), (139, 29713), (165, 29884), (211, 30112),

Gene: Panchino_21 Start: 20180, Stop: 21217, Start Num: 17
Candidate Starts for Panchino_21:
(Start: 17 @20180 has 67 MA's), (47, 20336), (49, 20342), (80, 20450), (85, 20468), (110, 20558), (122, 20603), (139, 20684), (151, 20765), (162, 20852), (166, 20870), (177, 20942), (188, 20987), (219, 21152),

Gene: Paola_27 Start: 23933, Stop: 25000, Start Num: 19
Candidate Starts for Paola_27:
(Start: 19 @23933 has 24 MA's), (40, 24050), (53, 24107), (66, 24155), (68, 24161), (84, 24218), (85, 24221), (90, 24236), (100, 24263), (109, 24302), (110, 24305), (113, 24317), (114, 24320), (115, 24323), (118, 24338), (132, 24383), (133, 24389), (141, 24443), (148, 24491), (153, 24521), (158, 24566), (177, 24695), (182, 24749),

Gene: ParvusTarda_33 Start: 28670, Stop: 29716, Start Num: 20
Candidate Starts for ParvusTarda_33:
(Start: 20 @28670 has 33 MA's), (40, 28784), (43, 28805), (64, 28880), (69, 28895), (87, 28958), (127, 29120), (165, 29354),

Gene: Patience_38 Start: 32593, Stop: 33633, Start Num: 22
Candidate Starts for Patience_38:
(Start: 22 @32593 has 3 MA's), (36, 32671), (48, 32749), (112, 32962), (113, 32968), (134, 33046), (148, 33139), (152, 33166),

Gene: Patos_34 Start: 29125, Stop: 30174, Start Num: 20
Candidate Starts for Patos_34:
(Start: 20 @29125 has 33 MA's), (34, 29200), (40, 29239), (43, 29260), (64, 29335), (69, 29350), (87, 29413), (139, 29638), (165, 29809), (211, 30037), (217, 30082),

Gene: PeanutPie_22 Start: 21330, Stop: 22343, Start Num: 27
Candidate Starts for PeanutPie_22:
(11, 21282), (Start: 15 @21303 has 5 MA's), (Start: 17 @21306 has 67 MA's), (27, 21330), (49, 21468), (62, 21510), (81, 21579), (100, 21639), (110, 21684), (122, 21729), (139, 21810), (148, 21867), (151, 21891), (166, 21996), (177, 22068), (188, 22113), (219, 22278),

Gene: PegLeg_31 Start: 26991, Stop: 28046, Start Num: 17
Candidate Starts for PegLeg_31:

(Start: 17 @26991 has 67 MA's), (64, 27204), (76, 27240), (94, 27303), (114, 27375), (122, 27405), (128, 27426), (136, 27462), (141, 27498), (148, 27546), (150, 27567), (152, 27573), (154, 27603), (155, 27606), (160, 27654), (200, 27843), (204, 27864), (214, 27918),

Gene: Phalm_22 Start: 21561, Stop: 22601, Start Num: 13
Candidate Starts for Phalm_22:
(Start: 13 @21561 has 9 MA's), (47, 21720), (49, 21726), (62, 21768), (80, 21834), (81, 21837), (100, 21897), (110, 21942), (122, 21987), (139, 22068), (148, 22125), (151, 22149), (166, 22254), (177, 22326), (188, 22371),

Gene: Phayonce_22 Start: 21448, Stop: 22485, Start Num: 17
Candidate Starts for Phayonce_22:
(Start: 17 @21448 has 67 MA's), (49, 21610), (64, 21661), (76, 21697), (82, 21724), (100, 21772), (114, 21829), (124, 21865), (150, 22018), (154, 22054), (166, 22126), (192, 22261), (204, 22315), (218, 22393),

Gene: Phegasus_22 Start: 21305, Stop: 22342, Start Num: 17
Candidate Starts for Phegasus_22:
(11, 21281), (Start: 15 @21302 has 5 MA's), (Start: 17 @21305 has 67 MA's), (27, 21329), (49, 21467), (62, 21509), (81, 21578), (100, 21638), (110, 21683), (122, 21728), (139, 21809), (148, 21866), (151, 21890), (166, 21995), (177, 22067), (188, 22112), (219, 22277),

Gene: Phineas_22 Start: 21670, Stop: 22707, Start Num: 17
Candidate Starts for Phineas_22:
(Start: 17 @21670 has 67 MA's), (49, 21835), (62, 21877), (80, 21943), (81, 21946), (85, 21961), (110, 22048), (122, 22093), (139, 22174), (148, 22231), (151, 22255), (166, 22360), (177, 22432), (188, 22477),

Gene: Phishy_30 Start: 26793, Stop: 27842, Start Num: 21
Candidate Starts for Phishy_30:
(Start: 21 @26793 has 7 MA's), (64, 27003), (87, 27081), (112, 27189), (144, 27339), (146, 27351), (148, 27366), (175, 27543), (190, 27618),

Gene: Phrann_21 Start: 20409, Stop: 21479, Start Num: 15
Candidate Starts for Phrann_21:
(Start: 15 @20409 has 5 MA's), (Start: 17 @20412 has 67 MA's), (49, 20574), (62, 20616), (81, 20685), (100, 20745), (110, 20790), (122, 20835), (138, 20904), (139, 20916), (148, 20973), (151, 20997), (176, 21168),

Gene: Poland_34 Start: 38011, Stop: 38913, Start Num: 51
Candidate Starts for Poland_34:
(Start: 51 @38011 has 8 MA's), (80, 38116), (89, 38146), (99, 38176), (102, 38188), (123, 38272), (134, 38320), (139, 38356), (151, 38437), (159, 38491), (173, 38581), (203, 38728), (223, 38896),

Gene: Polkaroo_22 Start: 21315, Stop: 22352, Start Num: 17
Candidate Starts for Polkaroo_22:
(11, 21291), (Start: 15 @21312 has 5 MA's), (Start: 17 @21315 has 67 MA's), (27, 21339), (49, 21477), (62, 21519), (81, 21588), (100, 21648), (110, 21693), (122, 21738), (139, 21819), (148, 21876), (151, 21900), (166, 22005), (177, 22077), (188, 22122), (219, 22287),

Gene: Purky_22 Start: 21124, Stop: 22170, Start Num: 17
Candidate Starts for Purky_22:

(Start: 17 @21124 has 67 MA's), (64, 21337), (100, 21448), (110, 21490), (111, 21493), (130, 21562), (150, 21694), (154, 21730), (173, 21838), (204, 21991), (206, 22000), (210, 22012),

Gene: Ranch_33 Start: 28024, Stop: 29073, Start Num: 20
Candidate Starts for Ranch_33:
(Start: 20 @28024 has 33 MA's), (40, 28138), (48, 28180), (64, 28234), (69, 28249), (87, 28312), (139, 28537), (165, 28708), (211, 28936), (217, 28981),

Gene: Rando14_28 Start: 22698, Stop: 23777, Start Num: 19
Candidate Starts for Rando14_28:
(Start: 19 @22698 has 24 MA's), (25, 22716), (41, 22818), (53, 22872), (54, 22875), (55, 22878), (68, 22926), (77, 22962), (79, 22965), (80, 22968), (90, 23001), (118, 23103), (122, 23115), (126, 23127), (127, 23133), (131, 23145), (134, 23166), (146, 23244), (152, 23286), (156, 23328), (162, 23373), (181, 23502),

Gene: RavenCo17_26 Start: 23835, Stop: 24911, Start Num: 21
Candidate Starts for RavenCo17_26:
(8, 23700), (Start: 21 @23835 has 7 MA's), (44, 23973), (64, 24045), (73, 24075), (110, 24225), (113, 24237), (126, 24279), (129, 24291), (139, 24348), (148, 24399), (157, 24471), (172, 24564), (203, 24726), (222, 24867),

Gene: Raymond7_21 Start: 20415, Stop: 21500, Start Num: 17
Candidate Starts for Raymond7_21:
(Start: 17 @20415 has 67 MA's), (49, 20577), (81, 20688), (82, 20697), (85, 20703), (100, 20748), (110, 20793), (139, 20919), (141, 20928), (148, 20976),

Gene: RazorC_31 Start: 27503, Stop: 28600, Start Num: 20
Candidate Starts for RazorC_31:
(Start: 20 @27503 has 33 MA's), (40, 27617), (63, 27710), (71, 27743), (73, 27746), (75, 27749), (80, 27770), (82, 27782), (100, 27830), (115, 27893), (131, 27947), (145, 28043), (149, 28085), (180, 28319), (193, 28358), (211, 28445), (224, 28592),

Gene: Rebel_21 Start: 19868, Stop: 20905, Start Num: 19
Candidate Starts for Rebel_21:
(4, 19631), (5, 19673), (6, 19703), (7, 19733), (10, 19793), (12, 19847), (Start: 19 @19868 has 24 MA's), (49, 20030), (62, 20072), (81, 20141), (100, 20201), (110, 20246), (122, 20291), (138, 20360), (148, 20429), (151, 20453), (166, 20558), (177, 20630), (188, 20675),

Gene: Reindeer_30 Start: 26952, Stop: 28001, Start Num: 17
Candidate Starts for Reindeer_30:
(Start: 17 @26952 has 67 MA's), (30, 26988), (64, 27165), (82, 27228), (84, 27231), (98, 27270), (102, 27285), (115, 27336), (128, 27384), (141, 27453), (148, 27501), (150, 27522), (152, 27528), (154, 27558), (166, 27630), (192, 27765), (204, 27819), (213, 27870), (215, 27876), (218, 27909),

Gene: Riduram_32 Start: 27081, Stop: 28178, Start Num: 20
Candidate Starts for Riduram_32:
(Start: 20 @27081 has 33 MA's), (40, 27195), (63, 27288), (71, 27321), (73, 27324), (75, 27327), (80, 27348), (82, 27360), (100, 27408), (115, 27471), (131, 27525), (145, 27621), (149, 27663), (180, 27897), (193, 27936), (211, 28023), (224, 28170),

Gene: Rota_32 Start: 29482, Stop: 30456, Start Num: 34
Candidate Starts for Rota_32:

(Start: 20 @29407 has 33 MA's), (34, 29482), (40, 29521), (48, 29563), (64, 29617), (69, 29632), (87, 29695), (139, 29920), (165, 30091), (211, 30319),

Gene: Rubeelu_22 Start: 19998, Stop: 21038, Start Num: 16
Candidate Starts for Rubeelu_22:
(9, 19932), (Start: 16 @19998 has 5 MA's), (47, 20157), (49, 20163), (80, 20271), (81, 20274), (85, 20289), (110, 20379), (122, 20424), (139, 20505), (148, 20562), (151, 20586), (162, 20673), (166, 20691), (177, 20763), (188, 20808), (219, 20973),

Gene: Rukungu_33 Start: 29795, Stop: 30766, Start Num: 34
Candidate Starts for Rukungu_33:
(Start: 20 @29720 has 33 MA's), (34, 29795), (40, 29834), (43, 29855), (64, 29930), (69, 29945), (87, 30008), (100, 30068), (139, 30233), (165, 30404),

Gene: Rumi_32 Start: 27114, Stop: 28211, Start Num: 20
Candidate Starts for Rumi_32:
(Start: 20 @27114 has 33 MA's), (40, 27228), (63, 27321), (71, 27354), (73, 27357), (75, 27360), (80, 27381), (82, 27393), (100, 27441), (115, 27504), (131, 27558), (145, 27654), (149, 27696), (168, 27822), (180, 27930), (193, 27969), (211, 28056), (224, 28203),

Gene: Ruthiejr_29 Start: 24262, Stop: 25296, Start Num: 16
Candidate Starts for Ruthiejr_29:
(9, 24196), (Start: 16 @24262 has 5 MA's), (47, 24418), (48, 24421), (62, 24466), (64, 24475), (85, 24550), (110, 24637), (122, 24682), (139, 24763), (148, 24820), (151, 24844), (166, 24949), (177, 25021), (195, 25081), (219, 25231),

Gene: Sadboi_34 Start: 30140, Stop: 30934, Start Num: 78
Candidate Starts for Sadboi_34:
(57, 30062), (60, 30074), (61, 30077), (Start: 78 @30140 has 1 MA's), (87, 30167), (100, 30227), (127, 30329), (139, 30392), (165, 30563), (211, 30797),

Gene: Salvus_26 Start: 22028, Stop: 23053, Start Num: 17
Candidate Starts for Salvus_26:
(Start: 17 @22028 has 67 MA's), (36, 22118), (94, 22337), (95, 22340), (100, 22352), (134, 22484), (139, 22520), (148, 22571), (154, 22628), (200, 22865), (220, 22991),

Gene: SamScheppers_27 Start: 24552, Stop: 25625, Start Num: 15
Candidate Starts for SamScheppers_27:
(Start: 15 @24552 has 5 MA's), (Start: 17 @24555 has 67 MA's), (70, 24795), (81, 24831), (82, 24840), (85, 24846), (100, 24891), (110, 24936), (115, 24954), (122, 24981), (139, 25062), (148, 25119), (151, 25143),

Gene: Sampudon_33 Start: 30054, Stop: 31103, Start Num: 20
Candidate Starts for Sampudon_33:
(Start: 20 @30054 has 33 MA's), (40, 30168), (43, 30189), (64, 30264), (69, 30279), (87, 30342), (100, 30402), (127, 30504), (139, 30567), (165, 30738), (211, 30966),

Gene: Sbash_21 Start: 21030, Stop: 22079, Start Num: 17
Candidate Starts for Sbash_21:
(Start: 17 @21030 has 67 MA's), (49, 21192), (64, 21243), (82, 21306), (114, 21411), (150, 21600), (154, 21636), (166, 21708), (192, 21843), (204, 21897), (218, 21987),

Gene: Scitech_21 Start: 20194, Stop: 21228, Start Num: 17

Candidate Starts for Scitech_21:
(Start: 17 @20194 has 67 MA's), (47, 20350), (49, 20356), (80, 20464), (81, 20467), (85, 20482), (110, 20569), (122, 20614), (139, 20695), (148, 20752), (151, 20776), (166, 20881), (177, 20953), (188, 20998),

Gene: Shweta_21 Start: 20201, Stop: 21238, Start Num: 13
Candidate Starts for Shweta_21:
(Start: 13 @20201 has 9 MA's), (47, 20357), (49, 20363), (62, 20405), (80, 20471), (81, 20474), (100, 20534), (110, 20579), (122, 20624), (139, 20705), (148, 20762), (151, 20786), (166, 20891), (177, 20963), (188, 21008),

Gene: Skinny_32 Start: 27432, Stop: 28493, Start Num: 19
Candidate Starts for Skinny_32:
(Start: 19 @27432 has 24 MA's), (30, 27468), (35, 27510), (53, 27600), (59, 27621), (65, 27648), (82, 27711), (110, 27801), (113, 27813), (116, 27822), (129, 27867), (141, 27933), (151, 28005), (162, 28095), (166, 28113), (183, 28230), (191, 28242), (211, 28332),

Gene: SkinnyPete_21 Start: 20204, Stop: 21241, Start Num: 17
Candidate Starts for SkinnyPete_21:
(Start: 17 @20204 has 67 MA's), (47, 20360), (49, 20366), (80, 20474), (85, 20492), (110, 20582), (122, 20627), (139, 20708), (151, 20789), (162, 20876), (166, 20894), (177, 20966), (188, 21011), (219, 21176),

Gene: SlimJimmy_30 Start: 26975, Stop: 28030, Start Num: 17
Candidate Starts for SlimJimmy_30:
(Start: 17 @26975 has 67 MA's), (64, 27188), (76, 27224), (94, 27287), (114, 27359), (122, 27389), (128, 27410), (136, 27446), (141, 27482), (148, 27530), (150, 27551), (152, 27557), (154, 27587), (155, 27590), (160, 27638), (204, 27848), (214, 27902),

Gene: SoSeph_27 Start: 24081, Stop: 25148, Start Num: 19
Candidate Starts for SoSeph_27:
(Start: 19 @24081 has 24 MA's), (40, 24198), (53, 24255), (66, 24303), (68, 24309), (84, 24366), (85, 24369), (90, 24384), (100, 24411), (109, 24450), (110, 24453), (113, 24465), (114, 24468), (115, 24471), (118, 24486), (132, 24531), (133, 24537), (141, 24591), (148, 24639), (153, 24669), (158, 24714), (177, 24843), (182, 24897),

Gene: Sonah_22 Start: 21289, Stop: 22326, Start Num: 17
Candidate Starts for Sonah_22:
(11, 21265), (Start: 15 @21286 has 5 MA's), (Start: 17 @21289 has 67 MA's), (27, 21313), (49, 21451), (62, 21493), (81, 21562), (100, 21622), (110, 21667), (122, 21712), (139, 21793), (148, 21850), (151, 21874), (166, 21979), (177, 22051), (188, 22096), (219, 22261),

Gene: Sparky_21 Start: 21885, Stop: 22931, Start Num: 17
Candidate Starts for Sparky_21:
(Start: 17 @21885 has 67 MA's), (64, 22098), (65, 22104), (100, 22209), (110, 22251), (111, 22254), (130, 22323), (150, 22455), (154, 22491), (173, 22599), (204, 22752), (206, 22761), (210, 22773),

Gene: Sprinklemunch_22 Start: 21828, Stop: 22874, Start Num: 21
Candidate Starts for Sprinklemunch_22:
(Start: 21 @21828 has 7 MA's), (38, 21933), (64, 22038), (103, 22194), (108, 22212), (109, 22215), (125, 22269), (148, 22398), (172, 22554), (181, 22626), (196, 22674), (197, 22677), (202, 22710),

Gene: StevieRay_22 Start: 21290, Stop: 22327, Start Num: 17

Candidate Starts for StevieRay_22:
(11, 21266), (Start: 15 @21287 has 5 MA's), (Start: 17 @21290 has 67 MA's), (27, 21314), (49, 21452), (62, 21494), (81, 21563), (100, 21623), (110, 21668), (122, 21713), (139, 21794), (148, 21851), (151, 21875), (166, 21980), (177, 22052), (188, 22097), (219, 22262),

Gene: Stormer_32 Start: 27117, Stop: 28214, Start Num: 20
Candidate Starts for Stormer_32:
(Start: 20 @27117 has 33 MA's), (40, 27231), (63, 27324), (71, 27357), (73, 27360), (75, 27363), (79, 27381), (80, 27384), (100, 27444), (112, 27495), (115, 27507), (117, 27519), (131, 27561), (145, 27657), (149, 27699), (180, 27933), (193, 27972), (211, 28059), (224, 28206),

Gene: StressBall_22 Start: 21561, Stop: 22601, Start Num: 13
Candidate Starts for StressBall_22:
(Start: 13 @21561 has 9 MA's), (47, 21720), (49, 21726), (62, 21768), (80, 21834), (81, 21837), (100, 21897), (110, 21942), (122, 21987), (139, 22068), (148, 22125), (151, 22149), (166, 22254), (177, 22326), (188, 22371),

Gene: SuperSonics_37 Start: 31769, Stop: 32809, Start Num: 22
Candidate Starts for SuperSonics_37:
(Start: 22 @31769 has 3 MA's), (36, 31847), (48, 31925), (112, 32138), (113, 32144), (134, 32222), (148, 32315), (152, 32342),

Gene: Taquito_27 Start: 24633, Stop: 25676, Start Num: 14
Candidate Starts for Taquito_27:
(Start: 14 @24633 has 1 MA's), (Start: 16 @24636 has 5 MA's), (70, 24876), (81, 24912), (82, 24921), (85, 24927), (100, 24972), (110, 25017), (115, 25035), (122, 25062), (139, 25143), (148, 25200), (151, 25224), (166, 25329), (177, 25401), (188, 25446),

Gene: Techage_22 Start: 21290, Stop: 22327, Start Num: 17
Candidate Starts for Techage_22:
(11, 21266), (Start: 15 @21287 has 5 MA's), (Start: 17 @21290 has 67 MA's), (27, 21314), (49, 21452), (62, 21494), (81, 21563), (100, 21623), (110, 21668), (122, 21713), (139, 21794), (148, 21851), (151, 21875), (166, 21980), (177, 22052), (188, 22097), (219, 22262),

Gene: Thespis_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for Thespis_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: ThulaThula_22 Start: 21454, Stop: 22491, Start Num: 17
Candidate Starts for ThulaThula_22:
(Start: 17 @21454 has 67 MA's), (49, 21616), (64, 21667), (76, 21703), (82, 21730), (100, 21778), (114, 21835), (124, 21871), (150, 22024), (154, 22060), (166, 22132), (192, 22267), (204, 22321), (218, 22399),

Gene: Thyatira_27 Start: 23933, Stop: 25000, Start Num: 19
Candidate Starts for Thyatira_27:
(Start: 19 @23933 has 24 MA's), (40, 24050), (53, 24107), (66, 24155), (68, 24161), (84, 24218), (85, 24221), (90, 24236), (100, 24263), (109, 24302), (110, 24305), (113, 24317), (114, 24320), (115, 24323), (118, 24338), (132, 24383), (133, 24389), (141, 24443), (148, 24491), (153, 24521), (158, 24566), (177, 24695), (182, 24749), (198, 24794),

Gene: Tillicus_32 Start: 28456, Stop: 29502, Start Num: 20
Candidate Starts for Tillicus_32:
(Start: 20 @28456 has 33 MA's), (Start: 31 @28513 has 1 MA's), (45, 28603), (48, 28612), (50, 28618), (54, 28627), (69, 28681), (125, 28897), (127, 28906), (136, 28945), (138, 28957), (148, 29026), (165, 29140), (169, 29167), (189, 29275),

Gene: Tortellini_22 Start: 21866, Stop: 22936, Start Num: 17
Candidate Starts for Tortellini_22:
(Start: 17 @21866 has 67 MA's), (70, 22106), (81, 22142), (82, 22151), (85, 22157), (100, 22202), (110, 22247), (115, 22265), (122, 22292), (139, 22373), (151, 22454), (173, 22592), (174, 22595),

Gene: TpudiCK_32 Start: 26991, Stop: 28046, Start Num: 17
Candidate Starts for TpudiCK_32:
(Start: 17 @26991 has 67 MA's), (64, 27204), (76, 27240), (94, 27303), (114, 27375), (122, 27405), (128, 27426), (136, 27462), (141, 27498), (148, 27546), (150, 27567), (152, 27573), (154, 27603), (155, 27606), (160, 27654), (200, 27843), (204, 27864), (214, 27918),

Gene: TyDawg_31 Start: 26992, Stop: 28047, Start Num: 17
Candidate Starts for TyDawg_31:
(Start: 17 @26992 has 67 MA's), (64, 27205), (76, 27241), (94, 27304), (114, 27376), (122, 27406), (128, 27427), (136, 27463), (141, 27499), (148, 27547), (150, 27568), (152, 27574), (154, 27604), (155, 27607), (160, 27655), (200, 27844), (204, 27865), (214, 27919),

Gene: Venti_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for Venti_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: Vidya_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for Vidya_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: ViviJ_26 Start: 23840, Stop: 24904, Start Num: 19
Candidate Starts for ViviJ_26:
(Start: 19 @23840 has 24 MA's), (37, 23930), (40, 23957), (55, 24020), (68, 24068), (79, 24107), (84, 24125), (100, 24170), (109, 24209), (122, 24257), (127, 24275), (141, 24350), (151, 24416), (162, 24506), (163, 24509), (164, 24512), (170, 24545), (184, 24644), (186, 24647), (207, 24731), (211, 24743), (222, 24860),

Gene: Vordorf_31 Start: 26927, Stop: 27976, Start Num: 23
Candidate Starts for Vordorf_31:
(Start: 23 @26927 has 1 MA's), (52, 27092), (64, 27137), (87, 27215), (113, 27329), (132, 27392), (139, 27443), (144, 27473), (148, 27500), (196, 27776),

Gene: WST1_22 Start: 19043, Stop: 20098, Start Num: 17
Candidate Starts for WST1_22:
(Start: 17 @19043 has 67 MA's), (40, 19160), (85, 19334), (118, 19451), (120, 19457), (151, 19622), (164, 19715), (173, 19763), (177, 19799), (199, 19892),

Gene: Waterfoul_27 Start: 23954, Stop: 25021, Start Num: 19

Candidate Starts for Waterfoul_27:
(Start: 19 @23954 has 24 MA's), (40, 24071), (66, 24176), (68, 24182), (85, 24242), (90, 24257), (100, 24284), (109, 24323), (110, 24326), (113, 24338), (114, 24341), (115, 24344), (118, 24359), (132, 24404), (133, 24410), (141, 24464), (148, 24512), (153, 24542), (158, 24587), (177, 24716), (182, 24770),

Gene: Willsammy_22 Start: 21571, Stop: 22605, Start Num: 17
Candidate Starts for Willsammy_22:
(Start: 17 @21571 has 67 MA's), (47, 21727), (49, 21733), (80, 21841), (81, 21844), (85, 21859), (110, 21946), (122, 21991), (139, 22072), (148, 22129), (151, 22153), (166, 22258), (177, 22330), (188, 22375),

Gene: Wojtek_32 Start: 28749, Stop: 29798, Start Num: 20
Candidate Starts for Wojtek_32:
(Start: 20 @28749 has 33 MA's), (40, 28863), (48, 28905), (64, 28959), (69, 28974), (87, 29037), (139, 29262), (165, 29433), (211, 29661), (217, 29706),

Gene: Xavia_22 Start: 21888, Stop: 22955, Start Num: 17
Candidate Starts for Xavia_22:
(Start: 17 @21888 has 67 MA's), (49, 22050), (62, 22092), (81, 22161), (100, 22221), (110, 22266), (115, 22284), (122, 22311), (139, 22392), (148, 22449), (151, 22473), (176, 22644),

Gene: Xeno_21 Start: 20200, Stop: 21240, Start Num: 13
Candidate Starts for Xeno_21:
(Start: 13 @20200 has 9 MA's), (49, 20365), (62, 20407), (81, 20476), (100, 20536), (110, 20581), (122, 20626), (139, 20707), (148, 20764), (151, 20788), (166, 20893), (177, 20965), (188, 21010),

Gene: YasnayaPolyana_29 Start: 24655, Stop: 25590, Start Num: 33
Candidate Starts for YasnayaPolyana_29:
(24, 24586), (Start: 33 @24655 has 1 MA's), (58, 24754), (74, 24799), (92, 24859), (96, 24868), (107, 24904), (119, 24949), (127, 24970), (129, 24976), (130, 24979), (150, 25111), (151, 25114), (169, 25237), (174, 25258), (219, 25525),

Gene: Yikes_34 Start: 30133, Stop: 31182, Start Num: 20
Candidate Starts for Yikes_34:
(Start: 20 @30133 has 33 MA's), (40, 30247), (48, 30289), (64, 30343), (69, 30358), (87, 30421), (165, 30817), (189, 30952), (211, 31045),

Gene: Zany_32 Start: 29660, Stop: 30706, Start Num: 20
Candidate Starts for Zany_32:
(Start: 20 @29660 has 33 MA's), (40, 29774), (43, 29795), (64, 29870), (69, 29885), (87, 29948), (100, 30008), (127, 30110), (165, 30344),

Gene: Zilizebeth_22 Start: 21299, Stop: 22336, Start Num: 17
Candidate Starts for Zilizebeth_22:
(11, 21275), (Start: 15 @21296 has 5 MA's), (Start: 17 @21299 has 67 MA's), (27, 21323), (49, 21461), (62, 21503), (81, 21572), (100, 21632), (110, 21677), (122, 21722), (139, 21803), (148, 21860), (151, 21884), (166, 21989), (177, 22061), (188, 22106), (219, 22271),

Gene: Zodiariah_22 Start: 21904, Stop: 22950, Start Num: 21
Candidate Starts for Zodiariah_22:
(Start: 21 @21904 has 7 MA's), (38, 22009), (64, 22114), (108, 22288), (109, 22291), (148, 22474), (172, 22630), (181, 22702), (196, 22750), (197, 22753), (202, 22786),