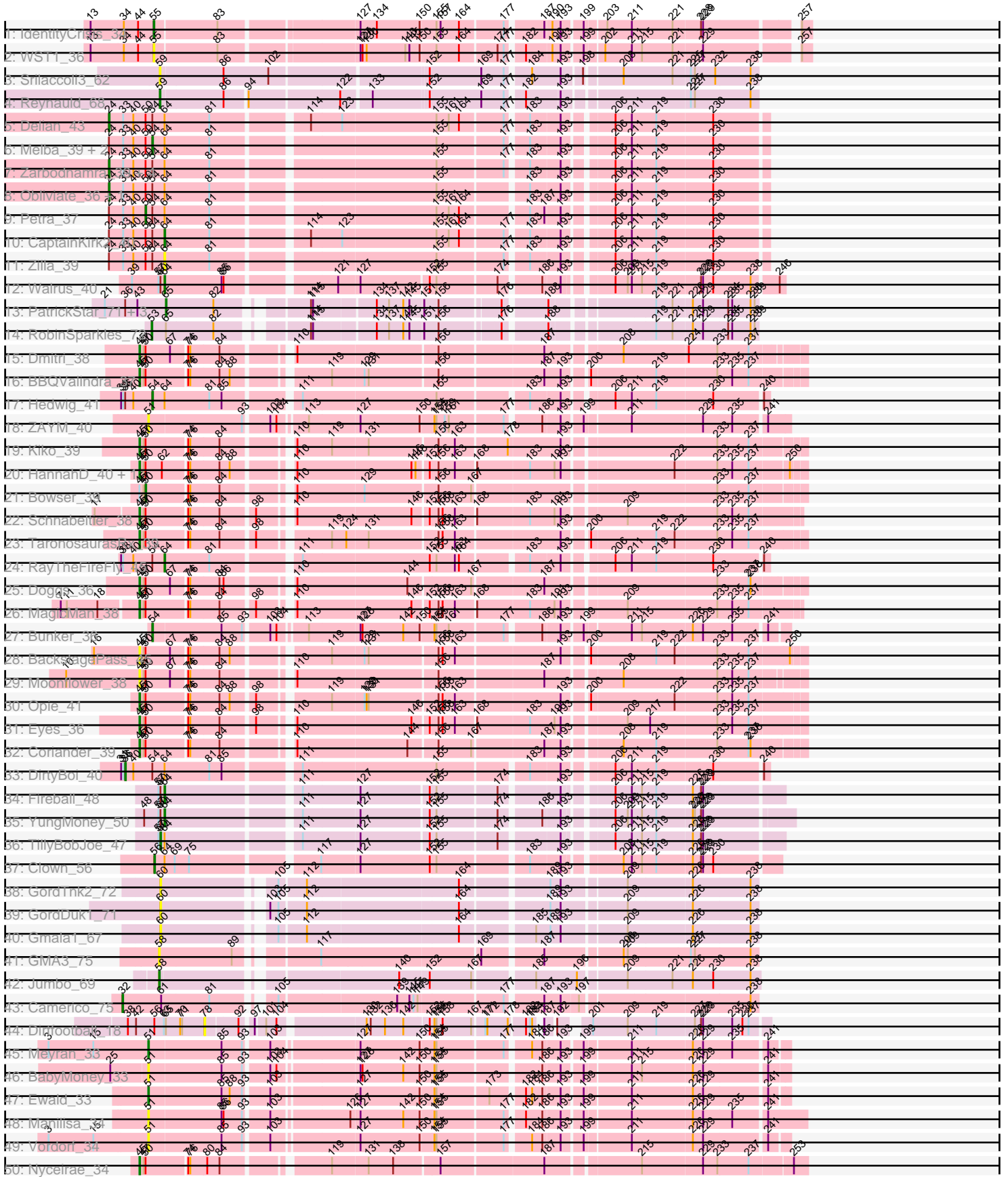


Pham 294449



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 294449 Report

This analysis was run 04/18/26 on database version 643.

Pham number 294449 has 191 members, 30 are drafts.

Phages represented in each track:

- Track 1 : IdentityCrisis_34
- Track 2 : WST1_36
- Track 3 : Srilaccoli3_62
- Track 4 : Reynauld_68
- Track 5 : Delian_43
- Track 6 : Melba_39, Barco_38, BlingBling_37
- Track 7 : Zarbodnamra_39, JasperJr_38, Archis_43, MintFen_40, Guacamole_38
- Track 8 : Obliviate_36, Hitter_41
- Track 9 : Petra_37
- Track 10 : CaptainKirk2_40
- Track 11 : Zilla_39
- Track 12 : Walrus_40
- Track 13 : PatrickStar_71, Gibbles_68, Orchid_70, Kampe_71
- Track 14 : RobinSparkles_72
- Track 15 : Dmitri_38
- Track 16 : BBQValindra_37
- Track 17 : Hedwig_41
- Track 18 : ZAYM_40
- Track 19 : Kiko_39
- Track 20 : HannahD_40, GEazy_42
- Track 21 : Bowser_39
- Track 22 : Schnabeltier_38
- Track 23 : TaronosaurusRx_39
- Track 24 : RayTheFireFly_45
- Track 25 : Doggs_36
- Track 26 : MagicMan_38
- Track 27 : Bunker_36
- Track 28 : BackstagePass_45
- Track 29 : Moonflower_38
- Track 30 : Opie_41
- Track 31 : Eyes_36
- Track 32 : Coriander_39
- Track 33 : DirtyBoi_40
- Track 34 : Fireball_48
- Track 35 : YungMoney_50
- Track 36 : TillyBobJoe_47
- Track 37 : Clown_56

- Track 38 : GordTnk2_72
- Track 39 : GordDuk1_71
- Track 40 : Gmala1_67
- Track 41 : GMA3_75
- Track 42 : Jumbo_69
- Track 43 : Camerico_75
- Track 44 : Dirtfootball_18
- Track 45 : Meyran_33
- Track 46 : BabyMoney_33
- Track 47 : Ewald_33
- Track 48 : Manilisa_34
- Track 49 : Vordorf_34
- Track 50 : Nyceirae_34
- Track 51 : Dogfish_32
- Track 52 : Phishy_35
- Track 53 : Santhid_30
- Track 54 : Jojo24_30
- Track 55 : DonkeyMan_31
- Track 56 : Tarzan_31
- Track 57 : Reyja_31
- Track 58 : TailX7_17
- Track 59 : CyranoPS_17
- Track 60 : Babsiella_33
- Track 61 : QueenHazel_29, Xula_28
- Track 62 : Brujita_33, Island3_33, Malithi_30, Sonah_30
- Track 63 : PaintedDog_39
- Track 64 : Purgamenstris_37, Impisi_39
- Track 65 : Jamie19_33, Duplicity_36, Tapioca_37, Phloss_34, Silvafighter_37, Parmesanjohn_36, Tessedbest_35, Panchino_32, Melville_38, Andies_33, Smurph_36, Shweta_33, SpongeBob_33, Chewbacca_37, MichelleMyBell_34, Schnauzer_36, Pipsqueaks_36, Carcharodon_36, Fulbright_35, Xerxes_36, Magsby_36, Snekmaggedon_33
- Track 66 : Phrann_37, PhancyPhin_37, Hanako_37, BabeRuth_38, Redi_37, Spinach_37, Nенаe_37, ShrimpFriedEgg_37
- Track 67 : Rubeelu_37, Butters_37
- Track 68 : Cubone_34, Silvy_34, Charlie_34, Journey_34, Aggie_34, Tortoise12_34, Philonius_34, Bosection6_34
- Track 69 : Kevin1_35
- Track 70 : Gex_36
- Track 71 : Raymond7_31
- Track 72 : Scitech_31, SkinnyPete_31, EGUunicorn_34
- Track 73 : Xeno_33
- Track 74 : Fishburne_30, Venti_30, Dynamo_30, Phineas_30
- Track 75 : Polkaroo_30, Brusacoram_30, Thespis_30
- Track 76 : Bartholomew_29, Etoile_30
- Track 77 : GaloreK_30
- Track 78 : Atcoo_30, KilKor_30, Phalm_30, Gavriela_30, Megiddo_30, Glaske_30, Willsammy_29, CactusJack_30, StressBall_30
- Track 79 : Chubbello_30, Jebeks_30, Camster_30
- Track 80 : Jung_29
- Track 81 : Bhagsy_30
- Track 82 : Ksquared_30, Juniormint_30, Bunnies_30

- Track 83 : Langerak_30, Majeke_30, Mangethe_30, BronnyJr_30, FirstPlacePfu_30, Techage_30, Zilizebeth_30
- Track 84 : Arib1_30
- Track 85 : PeanutPie_30, StevieRay_30
- Track 86 : HUHilltop_30
- Track 87 : Vidya_30
- Track 88 : Necropolis_30
- Track 89 : Pygmy_32, Bogie_32
- Track 90 : GreaseLightnin_30
- Track 91 : Donovan_30
- Track 92 : Kari_30
- Track 93 : Shipwreck_32
- Track 94 : Phegasus_30
- Track 95 : BigNuz_33, Nazo_34
- Track 96 : Phayonce_32
- Track 97 : Purky_37
- Track 98 : AuntGwenStacy_53, Hilltopfarm_52, Typha_52
- Track 99 : Bipper_50
- Track 100 : 32HC_47
- Track 101 : Rem711_46
- Track 102 : Eyre_35
- Track 103 : Trogglehumper_82
- Track 104 : P3MA_37
- Track 105 : Bobburn_20
- Track 106 : Whack_39
- Track 107 : Mbo2_72
- Track 108 : Gudmit_35

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 43 of the 161 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aggie_34, Andies_33, BabeRuth_38, Bosection6_34, Butters_37, Carcharodon_36, Charlie_34, Chewbacca_37, Cubone_34, Duplicity_36, EGUnicorn_34, Fulbright_35, Hanako_37, Jamie19_33, Journey_34, Kevin1_35, Magsby_36, Melville_38, MichelleMyBell_34, Nенаe_37, Panchino_32, Parmesanjohn_36, PhancyPhin_37, Philonius_34, Phloss_34, Phrann_37, Pipsqueaks_36, Raymond7_31, Redi_37, Rubeelu_37, Schnauzer_36, Scitech_31, ShrimpFriedEgg_37, Shweta_33, Silvafighter_37, Silvy_34, SkinnyPete_31, Smurph_36, Snekmaggedon_33, Spinach_37, SpongeBob_33, Tapioca_37, Tessdabest_35, Tortoise12_34, Xeno_33, Xerxes_36,

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

- Gex_36, Impisi_39, Purgamenstris_37, Schnabeltier_38,

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

- 32HC_47, Archis_43, Arib1_30, Atcoo_30, AuntGwenStacy_53, BBQValindra_37, Babsiella_33, BabyMoney_33, BackstagePass_45, Barco_38, Bartholomew_29,

Bhagsy_30, BigNuz_33, Bipper_50, BlingBling_37, Bobburn_20, Bogie_32, Bowser_39, BronnyJr_30, Brujita_33, Brusacoram_30, Bunker_36, Bunnies_30, CactusJack_30, Camerico_75, Camster_30, CaptainKirk2_40, Chubbello_30, Clown_56, Coriander_39, CyranoPS_17, Delian_43, Dirtfootball_18, DirtyBoi_40, Dmitri_38, Dogfish_32, Doggs_36, DonkeyMan_31, Donovan_30, Dynamo_30, Etoile_30, Ewald_33, Eyes_36, Eyre_35, Fireball_48, FirstPlacePfu_30, Fishburne_30, GEazy_42, GMA3_75, GaloreK_30, Gavriela_30, Gibbles_68, Glaske_30, Gmala1_67, GordDuk1_71, GordTnk2_72, GreaseLightnin_30, Guacamole_38, Gudmit_35, HUHilltop_30, HannahD_40, Hedwig_41, Hilltopfarm_52, Hitter_41, IdentityCrisis_34, Island3_33, JasperJr_38, Jebeks_30, Jojo24_30, Jumbo_69, Jung_29, Juniormint_30, Kampe_71, Kari_30, Kiko_39, KilKor_30, Ksquared_30, Langerak_30, MagicMan_38, Majeke_30, Malithi_30, Mangethe_30, Manilisa_34, Mbo2_72, Megiddo_30, Melba_39, Meyran_33, MintFen_40, Moonflower_38, Nazo_34, Necropolis_30, Nyceirae_34, Obliviate_36, Opie_41, Orchid_70, P3MA_37, PaintedDog_39, PatrickStar_71, PeanutPie_30, Petra_37, Phalm_30, Phayonce_32, Phegasus_30, Phineas_30, Phishy_35, Polkaroo_30, Purky_37, Pygmy_32, QueenHazel_29, RayTheFireFly_45, Rem711_46, Reyja_31, Reynauld_68, RobinSparkles_72, Santhid_30, Shipwreck_32, Sonah_30, Srilaccoli3_62, StevieRay_30, StressBall_30, TailX7_17, TaronosaurusRx_39, Tarzan_31, Techage_30, Thespis_30, TillyBobJoe_47, Trogglehumper_82, Typha_52, Venti_30, Vidya_30, Vordorf_34, WST1_36, Walrus_40, Whack_39, Willsammy_29, Xula_28, YungMoney_50, ZAYM_40, Zarbodnamra_39, Zilizabeth_30, Zilla_39,

Summary by start number:

Start 4:

- Found in 2 of 191 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 32HC_47 (Z), Rem711_46 (Z),

Start 9:

- Found in 2 of 191 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Jojo24_30 (DY),

Start 12:

- Found in 6 of 191 (3.1%) of genes in pham
- Manual Annotations of this start: 2 of 161
- Called 33.3% of time when present
- Phage (with cluster) where this start called: P3MA_37 (singleton), Santhid_30 (DY),

Start 17:

- Found in 50 of 191 (26.2%) of genes in pham
- Manual Annotations of this start: 43 of 161
- Called 92.0% of time when present
- Phage (with cluster) where this start called: Aggie_34 (N), Andies_33 (N), BabeRuth_38 (N), Bosection6_34 (N), Butters_37 (N), Carcharodon_36 (N), Charlie_34 (N), Chewbacca_37 (N), Cubone_34 (N), Duplicity_36 (N), EGUnicorn_34 (N), Fulbright_35 (N), Hanako_37 (N), Jamie19_33 (N), Journey_34 (N), Kevin1_35 (N), Magsby_36 (N), Melville_38 (N), MichelleMyBell_34 (N), Nenae_37 (N),

Panchino_32 (N), Parmesanjohn_36 (N), PhancyPhin_37 (N), Philonius_34 (N), Phloss_34 (N), Phrann_37 (N), Pipsqueaks_36 (N), Raymond7_31 (N), Redi_37 (N), Rubeelu_37 (N), Schnauzer_36 (N), Scitech_31 (N), ShrimpFriedEgg_37 (N), Shweta_33 (N), Silvafighter_37 (N), Silvy_34 (N), SkinnyPete_31 (N), Smurph_36 (N), Snekmaggedon_33 (N), Spinach_37 (N), SpongeBob_33 (N), Tapioca_37 (N), Tessdabest_35 (N), Tortoise12_34 (N), Xeno_33 (N), Xerxes_36 (N),

Start 22:

- Found in 56 of 191 (29.3%) of genes in pham
- Manual Annotations of this start: 35 of 161
- Called 66.1% of time when present
- Phage (with cluster) where this start called: Arib1_30 (P1), Atcoo_30 (P1), Babsiella_33 (I1), Bogie_32 (P1), BronnyJr_30 (P1), Brujita_33 (I1), Bunnies_30 (P1), CactusJack_30 (P1), Donovan_30 (P1), Dynamo_30 (P1), FirstPlacePfu_30 (P1), Fishburne_30 (P1), GaloreK_30 (P1), Gavriela_30 (P1), Glaske_30 (P1), GreaseLightnin_30 (P1), HUHilltop_30 (P1), Island3_33 (I1), Juniormint_30 (P1), KilKor_30 (P1), Ksquared_30 (P1), Langerak_30 (P1), Majeke_30 (P1), Malithi_30 (P1), Mangethe_30 (P1), Megiddo_30 (P1), Necropolis_30 (P1), Phalm_30 (P1), Phegasus_30 (P1), Phineas_30 (P1), Pygmy_32 (P1), Sonah_30 (P1), StressBall_30 (P1), Techage_30 (P1), Venti_30 (P1), Willsammy_29 (P1), Zilizebeth_30 (P1),

Start 24:

- Found in 14 of 191 (7.3%) of genes in pham
- Manual Annotations of this start: 8 of 161
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Archis_43 (CV), Delian_43 (CV), Guacamole_38 (CV), Hitter_41 (CV), JasperJr_38 (CV), MintFen_40 (CV), Obliviate_36 (CV), Zarbodnamra_39 (CV),

Start 28:

- Found in 2 of 191 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Whack_39 (singleton),

Start 32:

- Found in 1 of 191 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Camerico_75 (DF4),

Start 33:

- Found in 19 of 191 (9.9%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 5.3% of time when present
- Phage (with cluster) where this start called: Gudmit_35 (singleton),

Start 36:

- Found in 6 of 191 (3.1%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 16.7% of time when present
- Phage (with cluster) where this start called: DirtyBoi_40 (DB),

Start 45:

- Found in 16 of 191 (8.4%) of genes in pham
- Manual Annotations of this start: 13 of 161
- Called 93.8% of time when present
- Phage (with cluster) where this start called: BBQValindra_37 (DB), BackstagePass_45 (DB), Coriander_39 (DB), Dmitri_38 (DB), Doggs_36 (DB), Eyes_36 (DB), GEazy_42 (DB), HannahD_40 (DB), Kiko_39 (DB), MagicMan_38 (DB), Moonflower_38 (DB), Nyceirae_34 (DT), Opie_41 (DB), Schnabeltier_38 (DB), TaronosaurusRx_39 (DB),

Start 47:

- Found in 20 of 191 (10.5%) of genes in pham
- Manual Annotations of this start: 2 of 161
- Called 10.0% of time when present
- Phage (with cluster) where this start called: BigNuz_33 (P4), Nazo_34 (P4),

Start 49:

- Found in 1 of 191 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Trogglehumper_82 (singleton),

Start 50:

- Found in 35 of 191 (18.3%) of genes in pham
- Manual Annotations of this start: 2 of 161
- Called 5.7% of time when present
- Phage (with cluster) where this start called: Bowser_39 (DB), Petra_37 (CV),

Start 51:

- Found in 8 of 191 (4.2%) of genes in pham
- Manual Annotations of this start: 4 of 161
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BabyMoney_33 (DT), Dogfish_32 (DT), Ewald_33 (DT), Manilisa_34 (DT), Meyran_33 (DT), Phishy_35 (DT), Vordorf_34 (DT), ZAYM_40 (DB),

Start 52:

- Found in 60 of 191 (31.4%) of genes in pham
- Manual Annotations of this start: 13 of 161
- Called 30.0% of time when present
- Phage (with cluster) where this start called: Bartholomew_29 (P1), Brusacoram_30 (P1), Camster_30 (P1), Chubbello_30 (P1), Etoile_30 (P1), Jebeks_30 (P1), Jung_29 (P1), PaintedDog_39 (I1), PeanutPie_30 (P1), Phayonce_32 (P5), Polkaroo_30 (P1), Purky_37 (P6), QueenHazel_29 (I1), Shipwreck_32 (P1), StevieRay_30 (P1), Thespis_30 (P1), Vidya_30 (P1), Xula_28 (I1),

Start 53:

- Found in 1 of 191 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 100.0% of time when present
- Phage (with cluster) where this start called: RobinSparkles_72 (CX),

Start 54:

- Found in 71 of 191 (37.2%) of genes in pham
- Manual Annotations of this start: 8 of 161
- Called 11.3% of time when present
- Phage (with cluster) where this start called: Barco_38 (CV), Bhagsy_30 (P1), BlingBling_37 (CV), Bunker_36 (DB), Eyre_35 (singleton), Hedwig_41 (DB), Kari_30 (P1), Melba_39 (CV),

Start 55:

- Found in 53 of 191 (27.7%) of genes in pham
- Manual Annotations of this start: 2 of 161
- Called 7.5% of time when present
- Phage (with cluster) where this start called: CyranoPS_17 (ER), IdentityCrisis_34 (AJ), TailX7_17 (ER), WST1_36 (AJ),

Start 56:

- Found in 2 of 191 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Clown_56 (DC2),

Start 58:

- Found in 2 of 191 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA3_75 (DF2), Jumbo_69 (DF3),

Start 59:

- Found in 15 of 191 (7.9%) of genes in pham
- Manual Annotations of this start: 2 of 161
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Impisi_39 (N), Mbo2_72 (singleton), Purgamenstris_37 (N), Reynauld_68 (CH), Srilaccolli3_62 (CH),

Start 60:

- Found in 9 of 191 (4.7%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 44.4% of time when present
- Phage (with cluster) where this start called: Gmala1_67 (DF1), GordDuk1_71 (DF1), GordTnk2_72 (DF1), TillyBobJoe_47 (DC1),

Start 64:

- Found in 65 of 191 (34.0%) of genes in pham
- Manual Annotations of this start: 8 of 161
- Called 15.4% of time when present
- Phage (with cluster) where this start called: Bobburn_20 (singleton), CaptainKirk2_40 (CV), DonkeyMan_31 (DY), Fireball_48 (DC1), Gex_36 (N), RayTheFireFly_45 (DB), Tarzan_31 (DY), Walrus_40 (CV), YungMoney_50 (DC1), Zilla_39 (CV),

Start 65:

- Found in 8 of 191 (4.2%) of genes in pham
- Manual Annotations of this start: 4 of 161
- Called 50.0% of time when present

- Phage (with cluster) where this start called: Gibbles_68 (CX), Kampe_71 (CX), Orchid_70 (CX), PatrickStar_71 (CX),

Start 78:

- Found in 1 of 191 (0.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dirtfootball_18 (DM),

Start 86:

- Found in 65 of 191 (34.0%) of genes in pham
- Manual Annotations of this start: 1 of 161
- Called 1.5% of time when present
- Phage (with cluster) where this start called: Reyja_31 (DY),

Start 88:

- Found in 74 of 191 (38.7%) of genes in pham
- Manual Annotations of this start: 3 of 161
- Called 5.4% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_53 (Y), Bipper_50 (Y), Hilltopfarm_52 (Y), Typha_52 (Y),

Summary by clusters:

There are 24 clusters represented in this pham: singleton, DM, DB, CH, DY, DT, I1, DF4, DF1, DF3, DF2, ER, P1, P6, P4, P5, AJ, N, CX, Y, Z, DC2, CV, DC1,

Info for manual annotations of cluster AJ:

- Start number 55 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster CH:

- Start number 59 was manually annotated 1 time for cluster CH.

Info for manual annotations of cluster CV:

- Start number 24 was manually annotated 8 times for cluster CV.
- Start number 50 was manually annotated 1 time for cluster CV.
- Start number 54 was manually annotated 3 times for cluster CV.
- Start number 64 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster CX:

- Start number 53 was manually annotated 1 time for cluster CX.
- Start number 65 was manually annotated 4 times for cluster CX.

Info for manual annotations of cluster DB:

- Start number 36 was manually annotated 1 time for cluster DB.
- Start number 45 was manually annotated 12 times for cluster DB.
- Start number 50 was manually annotated 1 time for cluster DB.
- Start number 54 was manually annotated 2 times for cluster DB.
- Start number 64 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DC1:

- Start number 60 was manually annotated 1 time for cluster DC1.
- Start number 64 was manually annotated 2 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 56 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DF3:

- Start number 58 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DF4:

- Start number 32 was manually annotated 1 time for cluster DF4.

Info for manual annotations of cluster DT:

- Start number 45 was manually annotated 1 time for cluster DT.
- Start number 51 was manually annotated 4 times for cluster DT.

Info for manual annotations of cluster DY:

- Start number 9 was manually annotated 1 time for cluster DY.
- Start number 12 was manually annotated 1 time for cluster DY.
- Start number 64 was manually annotated 2 times for cluster DY.
- Start number 86 was manually annotated 1 time for cluster DY.

Info for manual annotations of cluster ER:

- Start number 55 was manually annotated 1 time for cluster ER.

Info for manual annotations of cluster I1:

- Start number 22 was manually annotated 3 times for cluster I1.
- Start number 52 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster N:

- Start number 17 was manually annotated 43 times for cluster N.
- Start number 59 was manually annotated 1 time for cluster N.
- Start number 64 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster P1:

- Start number 22 was manually annotated 32 times for cluster P1.
- Start number 52 was manually annotated 9 times for cluster P1.
- Start number 54 was manually annotated 2 times for cluster P1.

Info for manual annotations of cluster P4:

- Start number 47 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 52 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster P6:

- Start number 52 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Y:

- Start number 88 was manually annotated 3 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 4 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_47 Start: 33699, Stop: 32656, Start Num: 4

Candidate Starts for 32HC_47:

(Start: 4 @33699 has 1 MA's), (Start: 47 @33564 has 2 MA's), (Start: 59 @33540 has 2 MA's), (73, 33504), (77, 33483), (79, 33474), (96, 33411), (100, 33396), (102, 33390), (120, 33303), (122, 33297), (123, 33294), (127, 33270), (145, 33198), (150, 33183), (154, 33165), (155, 33162), (164, 33129), (177, 33069), (190, 33012), (193, 33000), (211, 32907), (221, 32847), (227, 32817),

Gene: Aggie_34 Start: 27389, Stop: 26418, Start Num: 17

Candidate Starts for Aggie_34:

(Start: 17 @27389 has 43 MA's), (19, 27380), (Start: 55 @27305 has 2 MA's), (Start: 64 @27290 has 8 MA's), (96, 27167), (103, 27143), (127, 27026), (128, 27023), (134, 27002), (142, 26963), (143, 26960), (145, 26954), (150, 26939), (155, 26918), (160, 26903), (173, 26846), (174, 26834), (184, 26795), (190, 26768), (193, 26756), (199, 26729), (206, 26690), (211, 26666), (215, 26651), (235, 26522), (244, 26468), (255, 26435),

Gene: Andies_33 Start: 27907, Stop: 26936, Start Num: 17

Candidate Starts for Andies_33:

(Start: 17 @27907 has 43 MA's), (Start: 55 @27823 has 2 MA's), (Start: 64 @27808 has 8 MA's), (96, 27685), (103, 27661), (127, 27544), (128, 27541), (134, 27520), (142, 27481), (143, 27478), (145, 27472), (150, 27457), (155, 27436), (160, 27421), (173, 27364), (174, 27352), (184, 27313), (190, 27286), (193, 27274), (199, 27247), (206, 27208), (211, 27184), (215, 27169), (235, 27040), (236, 27025), (244, 26986),

Gene: Archis_43 Start: 32279, Stop: 31389, Start Num: 24

Candidate Starts for Archis_43:

(Start: 24 @32279 has 8 MA's), (Start: 33 @32258 has 1 MA's), (40, 32243), (Start: 50 @32225 has 2 MA's), (Start: 54 @32216 has 8 MA's), (Start: 64 @32198 has 8 MA's), (81, 32132), (155, 31826), (177, 31733), (183, 31706), (193, 31664), (206, 31604), (211, 31580), (219, 31544), (230, 31463),

Gene: Arib1_30 Start: 26880, Stop: 25924, Start Num: 22

Candidate Starts for Arib1_30:

(Start: 22 @26880 has 35 MA's), (37, 26850), (Start: 52 @26817 has 13 MA's), (Start: 54 @26814 has 8 MA's), (Start: 86 @26742 has 1 MA's), (Start: 88 @26733 has 3 MA's), (90, 26727), (103, 26682), (127, 26565), (128, 26562), (129, 26559), (136, 26529), (138, 26517), (142, 26502), (148, 26484), (155, 26457), (163, 26430), (164, 26424), (175, 26370), (177, 26364), (193, 26295), (211, 26211), (215, 26196), (229, 26109), (235, 26067), (266, 25938),

Gene: Atcoo_30 Start: 27362, Stop: 26406, Start Num: 22

Candidate Starts for Atcoo_30:

(Start: 22 @27362 has 35 MA's), (Start: 52 @27299 has 13 MA's), (Start: 54 @27296 has 8 MA's), (Start: 86 @27224 has 1 MA's), (Start: 88 @27215 has 3 MA's), (103, 27164), (127, 27047), (128, 27044), (129, 27041), (136, 27011), (138, 26999), (142, 26984), (148, 26966), (155, 26939), (163, 26912), (164, 26906), (175, 26852), (177, 26846), (181, 26828), (193, 26777), (211, 26693), (227, 26603), (229, 26591), (235, 26549), (266, 26420),

Gene: AuntGwenStacy_53 Start: 40512, Stop: 39421, Start Num: 88

Candidate Starts for AuntGwenStacy_53:

(2, 40800), (5, 40770), (27, 40683), (29, 40680), (38, 40662), (73, 40578), (75, 40572), (Start: 88 @40512 has 3 MA's), (99, 40479), (141, 40284), (152, 40248), (155, 40239), (156, 40236), (195, 40047), (207, 39978), (213, 39954), (217, 39936), (227, 39873), (233, 39840), (238, 39792), (245, 39756), (247, 39750), (249, 39747), (252, 39735), (254, 39726), (256, 39723), (267, 39651), (268, 39648), (270, 39642), (271, 39639), (276, 39462),

Gene: BBQValindra_37 Start: 32011, Stop: 31118, Start Num: 45

Candidate Starts for BBQValindra_37:

(Start: 45 @32011 has 13 MA's), (Start: 47 @32005 has 2 MA's), (Start: 50 @32002 has 2 MA's), (74, 31945), (76, 31942), (84, 31900), (Start: 88 @31885 has 3 MA's), (119, 31765), (129, 31720), (131, 31714), (156, 31618), (187, 31471), (193, 31447), (200, 31417), (219, 31324), (233, 31237), (235, 31216), (237, 31192),

Gene: BabeRuth_38 Start: 29036, Stop: 28065, Start Num: 17

Candidate Starts for BabeRuth_38:

(Start: 17 @29036 has 43 MA's), (Start: 55 @28952 has 2 MA's), (Start: 59 @28943 has 2 MA's), (103, 28790), (127, 28673), (128, 28670), (142, 28610), (145, 28601), (150, 28586), (155, 28565), (161, 28547), (174, 28481), (190, 28415), (193, 28403), (199, 28376), (206, 28337), (211, 28313), (215, 28298), (227, 28223), (235, 28169),

Gene: Babsiella_33 Start: 28104, Stop: 27151, Start Num: 22

Candidate Starts for Babsiella_33:

(Start: 22 @28104 has 35 MA's), (46, 28053), (Start: 52 @28041 has 13 MA's), (Start: 88 @27957 has 3 MA's), (93, 27939), (127, 27789), (128, 27786), (129, 27783), (136, 27753), (138, 27741), (142, 27726), (145, 27717), (148, 27708), (155, 27681), (164, 27648), (175, 27594), (177, 27588), (190, 27531), (193, 27519), (211, 27435), (215, 27420), (227, 27345), (229, 27333), (230, 27318), (235, 27291), (257, 27198), (263, 27183),

Gene: BabyMoney_33 Start: 29420, Stop: 28557, Start Num: 51

Candidate Starts for BabyMoney_33:

(25, 29471), (Start: 51 @29420 has 4 MA's), (85, 29315), (93, 29285), (103, 29252), (104, 29243), (127, 29135), (128, 29132), (142, 29072), (150, 29048), (154, 29030), (155, 29027), (186, 28889), (193, 28865), (199, 28838), (211, 28775), (215, 28760), (226, 28688), (229, 28673), (241, 28586),

Gene: BackstagePass_45 Start: 32457, Stop: 31561, Start Num: 45

Candidate Starts for BackstagePass_45:

(16, 32523), (Start: 45 @32457 has 13 MA's), (Start: 47 @32451 has 2 MA's), (Start: 50 @32448 has 2 MA's), (67, 32412), (74, 32391), (76, 32388), (84, 32346), (Start: 88 @32331 has 3 MA's), (119, 32211), (129, 32166), (131, 32160), (156, 32064), (158, 32058), (163, 32040), (193, 31893), (200, 31863), (219, 31770), (222, 31743), (233, 31683), (237, 31638), (250, 31581),

Gene: Barco_38 Start: 31266, Stop: 30439, Start Num: 54

Candidate Starts for Barco_38:

(Start: 24 @31329 has 8 MA's), (Start: 33 @31308 has 1 MA's), (40, 31293), (Start: 50 @31275 has 2 MA's), (Start: 54 @31266 has 8 MA's), (Start: 64 @31248 has 8 MA's), (81, 31182), (155, 30876), (177, 30783), (183, 30756), (193, 30714), (206, 30654), (211, 30630), (219, 30594), (230, 30513),

Gene: Bartholomew_29 Start: 26812, Stop: 25919, Start Num: 52

Candidate Starts for Bartholomew_29:

(Start: 22 @26875 has 35 MA's), (37, 26845), (Start: 52 @26812 has 13 MA's), (Start: 54 @26809 has 8 MA's), (Start: 86 @26737 has 1 MA's), (Start: 88 @26728 has 3 MA's), (90, 26722), (103, 26677), (127, 26560), (128, 26557), (129, 26554), (136, 26524), (138, 26512), (142, 26497), (148, 26479), (155, 26452), (163, 26425), (164, 26419), (175, 26365), (177, 26359), (193, 26290), (211, 26206),

(221, 26146), (229, 26104), (235, 26062), (266, 25933),

Gene: Bhagsy_30 Start: 26805, Stop: 25915, Start Num: 54

Candidate Starts for Bhagsy_30:

(Start: 22 @26871 has 35 MA's), (Start: 52 @26808 has 13 MA's), (Start: 54 @26805 has 8 MA's), (Start: 86 @26733 has 1 MA's), (Start: 88 @26724 has 3 MA's), (103, 26673), (127, 26556), (128, 26553), (129, 26550), (136, 26520), (138, 26508), (142, 26493), (148, 26475), (155, 26448), (163, 26421), (164, 26415), (175, 26361), (193, 26286), (211, 26202), (227, 26112), (229, 26100), (235, 26058), (266, 25929),

Gene: BigNuz_33 Start: 28934, Stop: 28032, Start Num: 47

Candidate Starts for BigNuz_33:

(35, 28961), (Start: 47 @28934 has 2 MA's), (Start: 52 @28925 has 13 MA's), (Start: 86 @28850 has 1 MA's), (Start: 88 @28841 has 3 MA's), (127, 28673), (128, 28670), (129, 28667), (136, 28637), (138, 28625), (142, 28610), (148, 28592), (155, 28565), (163, 28538), (164, 28532), (175, 28478), (181, 28454), (190, 28415), (193, 28403), (211, 28319), (215, 28304), (218, 28286), (229, 28217), (235, 28175), (249, 28106), (266, 28046),

Gene: Bipper_50 Start: 39303, Stop: 38347, Start Num: 88

Candidate Starts for Bipper_50:

(1, 39591), (2, 39579), (5, 39549), (8, 39537), (38, 39453), (41, 39444), (57, 39408), (66, 39393), (75, 39363), (Start: 88 @39303 has 3 MA's), (155, 39030), (156, 39027), (158, 39021), (162, 39009), (165, 38988), (166, 38982), (184, 38901), (195, 38838), (209, 38760), (213, 38745), (217, 38727), (227, 38664), (235, 38610), (238, 38583), (251, 38532), (254, 38520), (256, 38517), (260, 38499), (261, 38490), (262, 38487), (264, 38478), (265, 38475), (269, 38442), (272, 38433), (273, 38421), (274, 38403), (275, 38400),

Gene: BlingBling_37 Start: 32229, Stop: 31402, Start Num: 54

Candidate Starts for BlingBling_37:

(Start: 24 @32292 has 8 MA's), (Start: 33 @32271 has 1 MA's), (40, 32256), (Start: 50 @32238 has 2 MA's), (Start: 54 @32229 has 8 MA's), (Start: 64 @32211 has 8 MA's), (81, 32145), (155, 31839), (177, 31746), (183, 31719), (193, 31677), (206, 31617), (211, 31593), (219, 31557), (230, 31476),

Gene: Bobburn_20 Start: 15036, Stop: 14212, Start Num: 64

Candidate Starts for Bobburn_20:

(Start: 64 @15036 has 8 MA's), (75, 15000), (83, 14958), (87, 14943), (Start: 88 @14940 has 3 MA's), (109, 14868), (120, 14811), (142, 14715), (146, 14703), (161, 14652), (190, 14520), (193, 14508), (206, 14436), (211, 14412), (222, 14349), (223, 14337), (224, 14331), (227, 14322), (229, 14310), (236, 14253), (238, 14241),

Gene: Bogie_32 Start: 28658, Stop: 27702, Start Num: 22

Candidate Starts for Bogie_32:

(Start: 22 @28658 has 35 MA's), (37, 28628), (Start: 52 @28595 has 13 MA's), (Start: 54 @28592 has 8 MA's), (Start: 86 @28520 has 1 MA's), (Start: 88 @28511 has 3 MA's), (90, 28505), (103, 28460), (127, 28343), (128, 28340), (129, 28337), (136, 28307), (138, 28295), (142, 28280), (145, 28271), (148, 28262), (155, 28235), (163, 28208), (164, 28202), (175, 28148), (181, 28124), (193, 28073), (211, 27989), (221, 27929), (227, 27899), (229, 27887), (235, 27845), (266, 27716),

Gene: Bosection6_34 Start: 27410, Stop: 26439, Start Num: 17

Candidate Starts for Bosection6_34:

(Start: 17 @27410 has 43 MA's), (19, 27401), (Start: 55 @27326 has 2 MA's), (Start: 64 @27311 has 8 MA's), (96, 27188), (103, 27164), (127, 27047), (128, 27044), (134, 27023), (142, 26984), (143, 26981), (145, 26975), (150, 26960), (155, 26939), (160, 26924), (173, 26867), (174, 26855), (184,

26816), (190, 26789), (193, 26777), (199, 26750), (206, 26711), (211, 26687), (215, 26672), (235, 26543), (244, 26489), (255, 26456),

Gene: Bowser_39 Start: 31647, Stop: 30763, Start Num: 50

Candidate Starts for Bowser_39:

(Start: 45 @31656 has 13 MA's), (Start: 47 @31650 has 2 MA's), (Start: 50 @31647 has 2 MA's), (74, 31590), (76, 31587), (84, 31545), (110, 31461), (129, 31365), (156, 31263), (167, 31215), (233, 30882), (237, 30837),

Gene: BronnyJr_30 Start: 27372, Stop: 26383, Start Num: 22

Candidate Starts for BronnyJr_30:

(Start: 22 @27372 has 35 MA's), (37, 27342), (Start: 52 @27309 has 13 MA's), (Start: 54 @27306 has 8 MA's), (68, 27276), (69, 27273), (Start: 86 @27201 has 1 MA's), (Start: 88 @27192 has 3 MA's), (90, 27186), (103, 27141), (127, 27024), (128, 27021), (129, 27018), (136, 26988), (138, 26976), (142, 26961), (148, 26943), (155, 26916), (163, 26889), (164, 26883), (175, 26829), (177, 26823), (181, 26805), (193, 26754), (211, 26670), (221, 26610), (229, 26568), (235, 26526), (266, 26397),

Gene: Brujita_33 Start: 29011, Stop: 28055, Start Num: 22

Candidate Starts for Brujita_33:

(Start: 22 @29011 has 35 MA's), (37, 28981), (Start: 52 @28948 has 13 MA's), (Start: 54 @28945 has 8 MA's), (Start: 86 @28873 has 1 MA's), (Start: 88 @28864 has 3 MA's), (103, 28813), (127, 28696), (128, 28693), (129, 28690), (136, 28660), (138, 28648), (142, 28633), (148, 28615), (155, 28588), (163, 28561), (164, 28555), (175, 28501), (181, 28477), (193, 28426), (211, 28342), (227, 28252), (229, 28240), (235, 28198), (266, 28069),

Gene: Brusacoram_30 Start: 26805, Stop: 25912, Start Num: 52

Candidate Starts for Brusacoram_30:

(Start: 22 @26868 has 35 MA's), (Start: 52 @26805 has 13 MA's), (Start: 54 @26802 has 8 MA's), (Start: 86 @26730 has 1 MA's), (Start: 88 @26721 has 3 MA's), (103, 26670), (127, 26553), (128, 26550), (129, 26547), (136, 26517), (138, 26505), (142, 26490), (148, 26472), (155, 26445), (163, 26418), (164, 26412), (175, 26358), (177, 26352), (181, 26334), (193, 26283), (211, 26199), (227, 26109), (229, 26097), (235, 26055), (266, 25926),

Gene: Bunker_36 Start: 30985, Stop: 30131, Start Num: 54

Candidate Starts for Bunker_36:

(Start: 54 @30985 has 8 MA's), (85, 30886), (93, 30856), (103, 30823), (104, 30814), (113, 30778), (127, 30706), (128, 30703), (142, 30643), (150, 30619), (154, 30601), (155, 30598), (161, 30580), (177, 30505), (186, 30460), (193, 30436), (199, 30409), (211, 30346), (215, 30331), (226, 30259), (229, 30244), (235, 30202), (241, 30157),

Gene: Bunnies_30 Start: 26889, Stop: 25933, Start Num: 22

Candidate Starts for Bunnies_30:

(Start: 22 @26889 has 35 MA's), (Start: 52 @26826 has 13 MA's), (Start: 54 @26823 has 8 MA's), (Start: 86 @26751 has 1 MA's), (Start: 88 @26742 has 3 MA's), (103, 26691), (127, 26574), (128, 26571), (129, 26568), (136, 26538), (138, 26526), (142, 26511), (148, 26493), (155, 26466), (163, 26439), (164, 26433), (175, 26379), (193, 26304), (211, 26220), (227, 26130), (229, 26118), (235, 26076), (266, 25947),

Gene: Butters_37 Start: 29461, Stop: 28490, Start Num: 17

Candidate Starts for Butters_37:

(14, 29464), (Start: 17 @29461 has 43 MA's), (Start: 55 @29377 has 2 MA's), (Start: 88 @29266 has 3 MA's), (96, 29239), (103, 29215), (127, 29098), (145, 29026), (150, 29011), (155, 28990), (184, 28867), (190, 28840), (193, 28828), (199, 28801), (206, 28762), (211, 28738), (215, 28723), (227,

28648), (229, 28636), (235, 28594), (236, 28579), (244, 28540),

Gene: CactusJack_30 Start: 27132, Stop: 26176, Start Num: 22

Candidate Starts for CactusJack_30:

(Start: 22 @27132 has 35 MA's), (Start: 52 @27069 has 13 MA's), (Start: 54 @27066 has 8 MA's), (Start: 86 @26994 has 1 MA's), (Start: 88 @26985 has 3 MA's), (103, 26934), (127, 26817), (128, 26814), (129, 26811), (136, 26781), (138, 26769), (142, 26754), (148, 26736), (155, 26709), (163, 26682), (164, 26676), (175, 26622), (177, 26616), (181, 26598), (193, 26547), (211, 26463), (227, 26373), (229, 26361), (235, 26319), (266, 26190),

Gene: Camerico_75 Start: 60592, Stop: 59744, Start Num: 32

Candidate Starts for Camerico_75:

(Start: 32 @60592 has 1 MA's), (61, 60535), (81, 60466), (105, 60397), (139, 60232), (145, 60214), (147, 60208), (149, 60202), (177, 60085), (187, 60037), (193, 60013), (197, 59989), (238, 59755),

Gene: Camster_30 Start: 26842, Stop: 25949, Start Num: 52

Candidate Starts for Camster_30:

(Start: 22 @26905 has 35 MA's), (37, 26875), (Start: 52 @26842 has 13 MA's), (Start: 54 @26839 has 8 MA's), (Start: 86 @26767 has 1 MA's), (Start: 88 @26758 has 3 MA's), (103, 26707), (127, 26590), (128, 26587), (129, 26584), (136, 26554), (138, 26542), (142, 26527), (148, 26509), (155, 26482), (163, 26455), (164, 26449), (175, 26395), (177, 26389), (193, 26320), (211, 26236), (227, 26146), (229, 26134), (235, 26092), (266, 25963),

Gene: CaptainKirk2_40 Start: 31496, Stop: 30687, Start Num: 64

Candidate Starts for CaptainKirk2_40:

(Start: 24 @31577 has 8 MA's), (Start: 33 @31556 has 1 MA's), (40, 31541), (Start: 50 @31523 has 2 MA's), (Start: 54 @31514 has 8 MA's), (Start: 64 @31496 has 8 MA's), (81, 31430), (114, 31304), (123, 31259), (155, 31124), (161, 31106), (164, 31091), (177, 31031), (183, 31004), (193, 30962), (206, 30902), (211, 30878), (219, 30842), (230, 30761),

Gene: Carcharodon_36 Start: 28718, Stop: 27747, Start Num: 17

Candidate Starts for Carcharodon_36:

(Start: 17 @28718 has 43 MA's), (Start: 55 @28634 has 2 MA's), (Start: 64 @28619 has 8 MA's), (96, 28496), (103, 28472), (127, 28355), (128, 28352), (134, 28331), (142, 28292), (143, 28289), (145, 28283), (150, 28268), (155, 28247), (160, 28232), (173, 28175), (174, 28163), (184, 28124), (190, 28097), (193, 28085), (199, 28058), (206, 28019), (211, 27995), (215, 27980), (235, 27851), (236, 27836), (244, 27797),

Gene: Charlie_34 Start: 27409, Stop: 26438, Start Num: 17

Candidate Starts for Charlie_34:

(Start: 17 @27409 has 43 MA's), (19, 27400), (Start: 55 @27325 has 2 MA's), (Start: 64 @27310 has 8 MA's), (96, 27187), (103, 27163), (127, 27046), (128, 27043), (134, 27022), (142, 26983), (143, 26980), (145, 26974), (150, 26959), (155, 26938), (160, 26923), (173, 26866), (174, 26854), (184, 26815), (190, 26788), (193, 26776), (199, 26749), (206, 26710), (211, 26686), (215, 26671), (235, 26542), (244, 26488), (255, 26455),

Gene: Chewbacca_37 Start: 28718, Stop: 27747, Start Num: 17

Candidate Starts for Chewbacca_37:

(Start: 17 @28718 has 43 MA's), (Start: 55 @28634 has 2 MA's), (Start: 64 @28619 has 8 MA's), (96, 28496), (103, 28472), (127, 28355), (128, 28352), (134, 28331), (142, 28292), (143, 28289), (145, 28283), (150, 28268), (155, 28247), (160, 28232), (173, 28175), (174, 28163), (184, 28124), (190, 28097), (193, 28085), (199, 28058), (206, 28019), (211, 27995), (215, 27980), (235, 27851), (236, 27836), (244, 27797),

Gene: Chubbello_30 Start: 26810, Stop: 25917, Start Num: 52

Candidate Starts for Chubbello_30:

(Start: 22 @26873 has 35 MA's), (37, 26843), (Start: 52 @26810 has 13 MA's), (Start: 54 @26807 has 8 MA's), (Start: 86 @26735 has 1 MA's), (Start: 88 @26726 has 3 MA's), (103, 26675), (127, 26558), (128, 26555), (129, 26552), (136, 26522), (138, 26510), (142, 26495), (148, 26477), (155, 26450), (163, 26423), (164, 26417), (175, 26363), (177, 26357), (193, 26288), (211, 26204), (227, 26114), (229, 26102), (235, 26060), (266, 25931),

Gene: Clown_56 Start: 42611, Stop: 41772, Start Num: 56

Candidate Starts for Clown_56:

(Start: 56 @42611 has 1 MA's), (Start: 64 @42596 has 8 MA's), (69, 42581), (75, 42560), (117, 42389), (127, 42335), (152, 42233), (155, 42224), (183, 42104), (193, 42062), (208, 41993), (211, 41981), (215, 41966), (219, 41945), (226, 41894), (228, 41882), (229, 41879), (230, 41864),

Gene: Coriander_39 Start: 31214, Stop: 30324, Start Num: 45

Candidate Starts for Coriander_39:

(Start: 45 @31214 has 13 MA's), (Start: 47 @31208 has 2 MA's), (Start: 50 @31205 has 2 MA's), (74, 31148), (76, 31145), (84, 31103), (110, 31019), (144, 30860), (156, 30821), (167, 30773), (187, 30674), (193, 30650), (208, 30575), (219, 30527), (233, 30440), (237, 30395), (238, 30392),

Gene: Cubone_34 Start: 27431, Stop: 26460, Start Num: 17

Candidate Starts for Cubone_34:

(Start: 17 @27431 has 43 MA's), (19, 27422), (Start: 55 @27347 has 2 MA's), (Start: 64 @27332 has 8 MA's), (96, 27209), (103, 27185), (127, 27068), (128, 27065), (134, 27044), (142, 27005), (143, 27002), (145, 26996), (150, 26981), (155, 26960), (160, 26945), (173, 26888), (174, 26876), (184, 26837), (190, 26810), (193, 26798), (199, 26771), (206, 26732), (211, 26708), (215, 26693), (235, 26564), (244, 26510), (255, 26477),

Gene: CyranoPS_17 Start: 12355, Stop: 11534, Start Num: 55

Candidate Starts for CyranoPS_17:

(Start: 55 @12355 has 2 MA's), (Start: 65 @12337 has 4 MA's), (75, 12304), (82, 12268), (91, 12232), (95, 12220), (125, 12091), (130, 12067), (136, 12040), (143, 12010), (204, 11764), (207, 11749), (209, 11740), (220, 11677), (235, 11590),

Gene: Delian_43 Start: 31575, Stop: 30685, Start Num: 24

Candidate Starts for Delian_43:

(Start: 24 @31575 has 8 MA's), (Start: 33 @31554 has 1 MA's), (40, 31539), (Start: 50 @31521 has 2 MA's), (Start: 54 @31512 has 8 MA's), (Start: 64 @31494 has 8 MA's), (81, 31428), (114, 31302), (123, 31257), (155, 31122), (161, 31104), (164, 31089), (177, 31029), (183, 31002), (193, 30960), (206, 30900), (211, 30876), (219, 30840), (230, 30759),

Gene: Dirtfootball_18 Start: 13606, Stop: 12878, Start Num: 78

Candidate Starts for Dirtfootball_18:

(38, 13717), (42, 13705), (Start: 56 @13678 has 1 MA's), (63, 13666), (Start: 65 @13663 has 4 MA's), (70, 13642), (71, 13639), (78, 13606), (92, 13561), (97, 13546), (101, 13534), (104, 13519), (130, 13405), (132, 13399), (136, 13378), (142, 13351), (152, 13318), (154, 13312), (155, 13309), (158, 13300), (167, 13258), (171, 13243), (172, 13240), (178, 13210), (182, 13189), (183, 13183), (184, 13180), (187, 13174), (192, 13162), (201, 13129), (209, 13078), (219, 13036), (227, 12982), (228, 12973), (229, 12970), (235, 12928), (236, 12913), (237, 12904),

Gene: DirtyBoi_40 Start: 31075, Stop: 30209, Start Num: 36

Candidate Starts for DirtyBoi_40:

(31, 31081), (Start: 33 @31078 has 1 MA's), (Start: 36 @31075 has 1 MA's), (40, 31063), (Start: 54 @31036 has 8 MA's), (Start: 64 @31018 has 8 MA's), (81, 30952), (85, 30934), (111, 30838), (155, 30646), (183, 30526), (193, 30484), (206, 30424), (211, 30400), (219, 30364), (230, 30283), (240, 30217),

Gene: Dmitri_38 Start: 32615, Stop: 31725, Start Num: 45

Candidate Starts for Dmitri_38:

(Start: 45 @32615 has 13 MA's), (Start: 47 @32609 has 2 MA's), (Start: 50 @32606 has 2 MA's), (67, 32570), (74, 32549), (76, 32546), (84, 32504), (110, 32420), (156, 32222), (187, 32075), (208, 31976), (224, 31883), (233, 31841), (237, 31796),

Gene: Dogfish_32 Start: 28978, Stop: 28088, Start Num: 51

Candidate Starts for Dogfish_32:

(Start: 51 @28978 has 4 MA's), (85, 28873), (Start: 86 @28870 has 1 MA's), (93, 28843), (103, 28810), (127, 28693), (142, 28630), (150, 28606), (154, 28588), (155, 28585), (182, 28471), (186, 28447), (193, 28423), (199, 28396), (211, 28333), (219, 28297), (226, 28246), (229, 28231), (235, 28189), (241, 28144), (251, 28111),

Gene: Doggs_36 Start: 31939, Stop: 31049, Start Num: 45

Candidate Starts for Doggs_36:

(Start: 45 @31939 has 13 MA's), (Start: 47 @31933 has 2 MA's), (Start: 50 @31930 has 2 MA's), (67, 31894), (74, 31873), (76, 31870), (84, 31828), (Start: 86 @31822 has 1 MA's), (110, 31744), (144, 31585), (167, 31498), (187, 31399), (233, 31165), (237, 31120), (238, 31117),

Gene: DonkeyMan_31 Start: 27041, Stop: 26220, Start Num: 64

Candidate Starts for DonkeyMan_31:

(7, 27188), (Start: 12 @27179 has 2 MA's), (Start: 50 @27068 has 2 MA's), (Start: 64 @27041 has 8 MA's), (75, 27005), (Start: 86 @26954 has 1 MA's), (114, 26849), (116, 26837), (127, 26777), (138, 26729), (152, 26675), (155, 26666), (161, 26648), (177, 26573), (193, 26504), (206, 26444), (211, 26420), (215, 26405), (219, 26384), (228, 26321), (229, 26318), (230, 26303), (241, 26231),

Gene: Donovan_30 Start: 26897, Stop: 25908, Start Num: 22

Candidate Starts for Donovan_30:

(Start: 22 @26897 has 35 MA's), (37, 26867), (Start: 52 @26834 has 13 MA's), (Start: 54 @26831 has 8 MA's), (68, 26801), (69, 26798), (Start: 86 @26726 has 1 MA's), (Start: 88 @26717 has 3 MA's), (90, 26711), (103, 26666), (127, 26549), (128, 26546), (129, 26543), (136, 26513), (138, 26501), (142, 26486), (148, 26468), (155, 26441), (163, 26414), (164, 26408), (175, 26354), (177, 26348), (181, 26330), (193, 26279), (211, 26195), (221, 26135), (229, 26093), (266, 25922),

Gene: Duplicity_36 Start: 28727, Stop: 27756, Start Num: 17

Candidate Starts for Duplicity_36:

(Start: 17 @28727 has 43 MA's), (Start: 55 @28643 has 2 MA's), (Start: 64 @28628 has 8 MA's), (96, 28505), (103, 28481), (127, 28364), (128, 28361), (134, 28340), (142, 28301), (143, 28298), (145, 28292), (150, 28277), (155, 28256), (160, 28241), (173, 28184), (174, 28172), (184, 28133), (190, 28106), (193, 28094), (199, 28067), (206, 28028), (211, 28004), (215, 27989), (235, 27860), (236, 27845), (244, 27806),

Gene: Dynamo_30 Start: 27286, Stop: 26330, Start Num: 22

Candidate Starts for Dynamo_30:

(Start: 22 @27286 has 35 MA's), (37, 27256), (Start: 52 @27223 has 13 MA's), (Start: 54 @27220 has 8 MA's), (Start: 86 @27148 has 1 MA's), (Start: 88 @27139 has 3 MA's), (90, 27133), (103, 27088), (127, 26971), (128, 26968), (129, 26965), (136, 26935), (138, 26923), (142, 26908), (148, 26890), (155, 26863), (163, 26836), (164, 26830), (175, 26776), (177, 26770), (193, 26701), (211, 26617),

(221, 26557), (229, 26515), (235, 26473), (266, 26344),

Gene: EGUunicorn_34 Start: 27409, Stop: 26438, Start Num: 17

Candidate Starts for EGUunicorn_34:

(Start: 17 @27409 has 43 MA's), (Start: 55 @27325 has 2 MA's), (Start: 64 @27310 has 8 MA's), (96, 27187), (103, 27163), (127, 27046), (128, 27043), (134, 27022), (142, 26983), (143, 26980), (145, 26974), (150, 26959), (155, 26938), (160, 26923), (173, 26866), (174, 26854), (184, 26815), (190, 26788), (193, 26776), (199, 26749), (206, 26710), (211, 26686), (215, 26671), (235, 26542), (244, 26488), (255, 26455),

Gene: Etoile_30 Start: 26812, Stop: 25919, Start Num: 52

Candidate Starts for Etoile_30:

(Start: 22 @26875 has 35 MA's), (37, 26845), (Start: 52 @26812 has 13 MA's), (Start: 54 @26809 has 8 MA's), (Start: 86 @26737 has 1 MA's), (Start: 88 @26728 has 3 MA's), (90, 26722), (103, 26677), (127, 26560), (128, 26557), (129, 26554), (136, 26524), (138, 26512), (142, 26497), (148, 26479), (155, 26452), (163, 26425), (164, 26419), (175, 26365), (177, 26359), (193, 26290), (211, 26206), (221, 26146), (229, 26104), (235, 26062), (266, 25933),

Gene: Ewald_33 Start: 29356, Stop: 28496, Start Num: 51

Candidate Starts for Ewald_33:

(Start: 51 @29356 has 4 MA's), (85, 29251), (Start: 88 @29239 has 3 MA's), (93, 29221), (103, 29188), (127, 29071), (150, 28984), (154, 28966), (155, 28963), (173, 28891), (182, 28849), (184, 28840), (186, 28825), (193, 28801), (199, 28774), (211, 28711), (226, 28624), (229, 28609), (241, 28522),

Gene: Eyes_36 Start: 31424, Stop: 30528, Start Num: 45

Candidate Starts for Eyes_36:

(Start: 45 @31424 has 13 MA's), (Start: 47 @31418 has 2 MA's), (Start: 50 @31415 has 2 MA's), (74, 31358), (76, 31355), (84, 31313), (98, 31268), (110, 31229), (146, 31064), (152, 31043), (156, 31031), (158, 31025), (163, 31007), (168, 30980), (183, 30905), (191, 30869), (193, 30860), (209, 30779), (217, 30746), (233, 30650), (235, 30629), (237, 30605),

Gene: Eyre_35 Start: 27388, Stop: 26561, Start Num: 54

Candidate Starts for Eyre_35:

(31, 27433), (Start: 33 @27430 has 1 MA's), (40, 27415), (Start: 54 @27388 has 8 MA's), (Start: 64 @27370 has 8 MA's), (81, 27304), (85, 27286), (111, 27190), (152, 27007), (155, 26998), (161, 26980), (183, 26878), (193, 26836), (211, 26752), (219, 26716), (230, 26635),

Gene: Fireball_48 Start: 39639, Stop: 38821, Start Num: 64

Candidate Starts for Fireball_48:

(57, 39648), (Start: 60 @39645 has 1 MA's), (Start: 64 @39639 has 8 MA's), (111, 39462), (127, 39381), (152, 39285), (155, 39276), (174, 39192), (193, 39114), (206, 39057), (211, 39033), (215, 39018), (219, 38997), (226, 38946), (228, 38934), (229, 38931),

Gene: FirstPlacePfu_30 Start: 26907, Stop: 25918, Start Num: 22

Candidate Starts for FirstPlacePfu_30:

(Start: 22 @26907 has 35 MA's), (37, 26877), (Start: 52 @26844 has 13 MA's), (Start: 54 @26841 has 8 MA's), (68, 26811), (69, 26808), (Start: 86 @26736 has 1 MA's), (Start: 88 @26727 has 3 MA's), (90, 26721), (103, 26676), (127, 26559), (128, 26556), (129, 26553), (136, 26523), (138, 26511), (142, 26496), (148, 26478), (155, 26451), (163, 26424), (164, 26418), (175, 26364), (177, 26358), (181, 26340), (193, 26289), (211, 26205), (221, 26145), (229, 26103), (235, 26061), (266, 25932),

Gene: Fishburne_30 Start: 26875, Stop: 25919, Start Num: 22

Candidate Starts for Fishburne_30:

(Start: 22 @26875 has 35 MA's), (37, 26845), (Start: 52 @26812 has 13 MA's), (Start: 54 @26809 has 8 MA's), (Start: 86 @26737 has 1 MA's), (Start: 88 @26728 has 3 MA's), (90, 26722), (103, 26677), (127, 26560), (128, 26557), (129, 26554), (136, 26524), (138, 26512), (142, 26497), (148, 26479), (155, 26452), (163, 26425), (164, 26419), (175, 26365), (177, 26359), (193, 26290), (211, 26206), (221, 26146), (229, 26104), (235, 26062), (266, 25933),

Gene: Fulbright_35 Start: 27807, Stop: 26836, Start Num: 17

Candidate Starts for Fulbright_35:

(Start: 17 @27807 has 43 MA's), (Start: 55 @27723 has 2 MA's), (Start: 64 @27708 has 8 MA's), (96, 27585), (103, 27561), (127, 27444), (128, 27441), (134, 27420), (142, 27381), (143, 27378), (145, 27372), (150, 27357), (155, 27336), (160, 27321), (173, 27264), (174, 27252), (184, 27213), (190, 27186), (193, 27174), (199, 27147), (206, 27108), (211, 27084), (215, 27069), (235, 26940), (236, 26925), (244, 26886),

Gene: GEazy_42 Start: 31613, Stop: 30720, Start Num: 45

Candidate Starts for GEazy_42:

(Start: 45 @31613 has 13 MA's), (Start: 47 @31607 has 2 MA's), (Start: 50 @31604 has 2 MA's), (62, 31580), (74, 31547), (76, 31544), (84, 31502), (Start: 88 @31487 has 3 MA's), (110, 31418), (146, 31253), (148, 31247), (152, 31232), (156, 31220), (163, 31196), (168, 31169), (183, 31094), (191, 31058), (193, 31049), (222, 30899), (233, 30839), (235, 30818), (237, 30794), (250, 30740),

Gene: GMA3_75 Start: 57620, Stop: 56823, Start Num: 58

Candidate Starts for GMA3_75:

(Start: 58 @57620 has 1 MA's), (89, 57515), (117, 57422), (169, 57200), (187, 57119), (208, 57014), (209, 57008), (225, 56921), (227, 56915), (238, 56834),

Gene: GaloreK_30 Start: 26871, Stop: 25915, Start Num: 22

Candidate Starts for GaloreK_30:

(Start: 22 @26871 has 35 MA's), (37, 26841), (Start: 52 @26808 has 13 MA's), (Start: 54 @26805 has 8 MA's), (Start: 86 @26733 has 1 MA's), (Start: 88 @26724 has 3 MA's), (90, 26718), (103, 26673), (127, 26556), (128, 26553), (129, 26550), (136, 26520), (138, 26508), (142, 26493), (148, 26475), (155, 26448), (163, 26421), (164, 26415), (175, 26361), (177, 26355), (193, 26286), (211, 26202), (215, 26187), (227, 26112), (229, 26100), (235, 26058), (266, 25929),

Gene: Gavriela_30 Start: 27132, Stop: 26176, Start Num: 22

Candidate Starts for Gavriela_30:

(Start: 22 @27132 has 35 MA's), (Start: 52 @27069 has 13 MA's), (Start: 54 @27066 has 8 MA's), (Start: 86 @26994 has 1 MA's), (Start: 88 @26985 has 3 MA's), (103, 26934), (127, 26817), (128, 26814), (129, 26811), (136, 26781), (138, 26769), (142, 26754), (148, 26736), (155, 26709), (163, 26682), (164, 26676), (175, 26622), (177, 26616), (181, 26598), (193, 26547), (211, 26463), (227, 26373), (229, 26361), (235, 26319), (266, 26190),

Gene: Gex_36 Start: 28635, Stop: 27763, Start Num: 64

Candidate Starts for Gex_36:

(Start: 17 @28734 has 43 MA's), (Start: 55 @28650 has 2 MA's), (Start: 64 @28635 has 8 MA's), (96, 28512), (103, 28488), (127, 28371), (128, 28368), (134, 28347), (142, 28308), (143, 28305), (145, 28299), (150, 28284), (155, 28263), (160, 28248), (173, 28191), (174, 28179), (184, 28140), (190, 28113), (193, 28101), (199, 28074), (206, 28035), (211, 28011), (215, 27996), (235, 27867), (236, 27852), (244, 27813),

Gene: Gibbles_68 Start: 56757, Stop: 55996, Start Num: 65

Candidate Starts for Gibbles_68:

(21, 56847), (Start: 36 @56817 has 1 MA's), (43, 56799), (Start: 65 @56757 has 4 MA's), (82, 56688), (114, 56586), (115, 56583), (134, 56499), (137, 56481), (142, 56460), (145, 56451), (151, 56433), (156, 56412), (176, 56331), (188, 56274), (219, 56142), (221, 56118), (226, 56091), (229, 56076), (234, 56040), (235, 56034), (238, 56007), (239, 56001),

Gene: Glaske_30 Start: 27132, Stop: 26176, Start Num: 22

Candidate Starts for Glaske_30:

(Start: 22 @27132 has 35 MA's), (Start: 52 @27069 has 13 MA's), (Start: 54 @27066 has 8 MA's), (Start: 86 @26994 has 1 MA's), (Start: 88 @26985 has 3 MA's), (103, 26934), (127, 26817), (128, 26814), (129, 26811), (136, 26781), (138, 26769), (142, 26754), (148, 26736), (155, 26709), (163, 26682), (164, 26676), (175, 26622), (177, 26616), (181, 26598), (193, 26547), (211, 26463), (227, 26373), (229, 26361), (235, 26319), (266, 26190),

Gene: Gmala1_67 Start: 54450, Stop: 53653, Start Num: 60

Candidate Starts for Gmala1_67:

(Start: 60 @54450 has 1 MA's), (105, 54309), (112, 54273), (164, 54057), (185, 53961), (189, 53940), (193, 53925), (209, 53838), (226, 53748), (238, 53664),

Gene: GordDuk1_71 Start: 55008, Stop: 54211, Start Num: 60

Candidate Starts for GordDuk1_71:

(Start: 60 @55008 has 1 MA's), (103, 54879), (105, 54867), (112, 54831), (164, 54615), (189, 54498), (193, 54483), (209, 54396), (226, 54306), (238, 54222),

Gene: GordTnk2_72 Start: 55169, Stop: 54372, Start Num: 60

Candidate Starts for GordTnk2_72:

(Start: 60 @55169 has 1 MA's), (105, 55028), (112, 54992), (164, 54776), (189, 54659), (193, 54644), (209, 54557), (226, 54467), (238, 54383),

Gene: GreaseLightnin_30 Start: 27124, Stop: 26168, Start Num: 22

Candidate Starts for GreaseLightnin_30:

(Start: 22 @27124 has 35 MA's), (Start: 52 @27061 has 13 MA's), (Start: 54 @27058 has 8 MA's), (Start: 86 @26986 has 1 MA's), (Start: 88 @26977 has 3 MA's), (103, 26926), (127, 26809), (128, 26806), (129, 26803), (136, 26773), (138, 26761), (142, 26746), (148, 26728), (155, 26701), (163, 26674), (164, 26668), (175, 26614), (181, 26590), (193, 26539), (211, 26455), (227, 26365), (229, 26353), (235, 26311), (266, 26182),

Gene: Guacamole_38 Start: 32142, Stop: 31252, Start Num: 24

Candidate Starts for Guacamole_38:

(Start: 24 @32142 has 8 MA's), (Start: 33 @32121 has 1 MA's), (40, 32106), (Start: 50 @32088 has 2 MA's), (Start: 54 @32079 has 8 MA's), (Start: 64 @32061 has 8 MA's), (81, 31995), (155, 31689), (177, 31596), (183, 31569), (193, 31527), (206, 31467), (211, 31443), (219, 31407), (230, 31326),

Gene: Gudmit_35 Start: 26430, Stop: 25561, Start Num: 33

Candidate Starts for Gudmit_35:

(31, 26433), (Start: 33 @26430 has 1 MA's), (Start: 54 @26388 has 8 MA's), (Start: 60 @26376 has 1 MA's), (Start: 64 @26370 has 8 MA's), (72, 26343), (81, 26304), (85, 26286), (114, 26178), (138, 26061), (139, 26055), (155, 25998), (161, 25980), (164, 25965), (165, 25956), (173, 25926), (177, 25905), (193, 25836), (194, 25830), (206, 25776), (211, 25752), (219, 25716), (222, 25689), (226, 25665), (230, 25635),

Gene: HUHilltop_30 Start: 26908, Stop: 25919, Start Num: 22

Candidate Starts for HUHilltop_30:

(Start: 22 @26908 has 35 MA's), (37, 26878), (Start: 52 @26845 has 13 MA's), (Start: 54 @26842 has 8 MA's), (68, 26812), (69, 26809), (Start: 86 @26737 has 1 MA's), (Start: 88 @26728 has 3 MA's), (90, 26722), (103, 26677), (127, 26560), (128, 26557), (129, 26554), (136, 26524), (138, 26512), (142, 26497), (145, 26488), (148, 26479), (155, 26452), (163, 26425), (164, 26419), (175, 26365), (177, 26359), (181, 26341), (190, 26302), (193, 26290), (211, 26206), (221, 26146), (229, 26104), (266, 25933),

Gene: Hanako_37 Start: 29035, Stop: 28064, Start Num: 17

Candidate Starts for Hanako_37:

(Start: 17 @29035 has 43 MA's), (Start: 55 @28951 has 2 MA's), (Start: 59 @28942 has 2 MA's), (103, 28789), (127, 28672), (128, 28669), (142, 28609), (145, 28600), (150, 28585), (155, 28564), (161, 28546), (174, 28480), (190, 28414), (193, 28402), (199, 28375), (206, 28336), (211, 28312), (215, 28297), (227, 28222), (235, 28168),

Gene: HannahD_40 Start: 30978, Stop: 30085, Start Num: 45

Candidate Starts for HannahD_40:

(Start: 45 @30978 has 13 MA's), (Start: 47 @30972 has 2 MA's), (Start: 50 @30969 has 2 MA's), (62, 30945), (74, 30912), (76, 30909), (84, 30867), (Start: 88 @30852 has 3 MA's), (110, 30783), (146, 30618), (148, 30612), (152, 30597), (156, 30585), (163, 30561), (168, 30534), (183, 30459), (191, 30423), (193, 30414), (222, 30264), (233, 30204), (235, 30183), (237, 30159), (250, 30105),

Gene: Hedwig_41 Start: 31459, Stop: 30632, Start Num: 54

Candidate Starts for Hedwig_41:

(31, 31504), (Start: 33 @31501 has 1 MA's), (Start: 36 @31498 has 1 MA's), (40, 31486), (Start: 54 @31459 has 8 MA's), (Start: 64 @31441 has 8 MA's), (81, 31375), (85, 31357), (111, 31261), (155, 31069), (183, 30949), (193, 30907), (206, 30847), (211, 30823), (219, 30787), (230, 30706), (240, 30640),

Gene: Hilltopfarm_52 Start: 40199, Stop: 39105, Start Num: 88

Candidate Starts for Hilltopfarm_52:

(2, 40487), (5, 40457), (27, 40370), (29, 40367), (38, 40349), (73, 40265), (75, 40259), (Start: 88 @40199 has 3 MA's), (99, 40166), (141, 39971), (152, 39935), (155, 39926), (156, 39923), (195, 39734), (207, 39665), (213, 39641), (217, 39623), (227, 39560), (233, 39527), (238, 39479), (245, 39440), (247, 39434), (249, 39431), (252, 39419), (254, 39410), (256, 39407), (267, 39335), (268, 39332), (270, 39326), (271, 39323), (276, 39146),

Gene: Hitter_41 Start: 31874, Stop: 30984, Start Num: 24

Candidate Starts for Hitter_41:

(Start: 24 @31874 has 8 MA's), (Start: 33 @31853 has 1 MA's), (40, 31838), (Start: 50 @31820 has 2 MA's), (Start: 54 @31811 has 8 MA's), (Start: 64 @31793 has 8 MA's), (81, 31727), (155, 31421), (183, 31301), (193, 31259), (206, 31199), (211, 31175), (219, 31139), (230, 31058),

Gene: IdentityCrisis_34 Start: 26927, Stop: 26055, Start Num: 55

Candidate Starts for IdentityCrisis_34:

(13, 27017), (34, 26969), (44, 26948), (Start: 55 @26927 has 2 MA's), (83, 26840), (127, 26651), (134, 26627), (150, 26564), (155, 26543), (157, 26537), (164, 26510), (177, 26450), (187, 26402), (190, 26393), (193, 26381), (199, 26354), (203, 26327), (211, 26291), (221, 26231), (228, 26192), (229, 26189), (257, 26069),

Gene: Impisi_39 Start: 29498, Stop: 28620, Start Num: 59

Candidate Starts for Impisi_39:

(Start: 17 @29591 has 43 MA's), (Start: 55 @29507 has 2 MA's), (Start: 59 @29498 has 2 MA's), (103, 29345), (127, 29228), (128, 29225), (142, 29165), (145, 29156), (150, 29141), (155, 29120), (161,

29102), (174, 29036), (190, 28970), (193, 28958), (199, 28931), (206, 28892), (211, 28868), (215, 28853), (227, 28778), (235, 28724),

Gene: Island3_33 Start: 29011, Stop: 28055, Start Num: 22

Candidate Starts for Island3_33:

(Start: 22 @29011 has 35 MA's), (37, 28981), (Start: 52 @28948 has 13 MA's), (Start: 54 @28945 has 8 MA's), (Start: 86 @28873 has 1 MA's), (Start: 88 @28864 has 3 MA's), (103, 28813), (127, 28696), (128, 28693), (129, 28690), (136, 28660), (138, 28648), (142, 28633), (148, 28615), (155, 28588), (163, 28561), (164, 28555), (175, 28501), (181, 28477), (193, 28426), (211, 28342), (227, 28252), (229, 28240), (235, 28198), (266, 28069),

Gene: Jamie19_33 Start: 27788, Stop: 26817, Start Num: 17

Candidate Starts for Jamie19_33:

(Start: 17 @27788 has 43 MA's), (Start: 55 @27704 has 2 MA's), (Start: 64 @27689 has 8 MA's), (96, 27566), (103, 27542), (127, 27425), (128, 27422), (134, 27401), (142, 27362), (143, 27359), (145, 27353), (150, 27338), (155, 27317), (160, 27302), (173, 27245), (174, 27233), (184, 27194), (190, 27167), (193, 27155), (199, 27128), (206, 27089), (211, 27065), (215, 27050), (235, 26921), (236, 26906), (244, 26867),

Gene: JasperJr_38 Start: 32142, Stop: 31252, Start Num: 24

Candidate Starts for JasperJr_38:

(Start: 24 @32142 has 8 MA's), (Start: 33 @32121 has 1 MA's), (40, 32106), (Start: 50 @32088 has 2 MA's), (Start: 54 @32079 has 8 MA's), (Start: 64 @32061 has 8 MA's), (81, 31995), (155, 31689), (177, 31596), (183, 31569), (193, 31527), (206, 31467), (211, 31443), (219, 31407), (230, 31326),

Gene: Jebeks_30 Start: 26796, Stop: 25903, Start Num: 52

Candidate Starts for Jebeks_30:

(Start: 22 @26859 has 35 MA's), (37, 26829), (Start: 52 @26796 has 13 MA's), (Start: 54 @26793 has 8 MA's), (Start: 86 @26721 has 1 MA's), (Start: 88 @26712 has 3 MA's), (103, 26661), (127, 26544), (128, 26541), (129, 26538), (136, 26508), (138, 26496), (142, 26481), (148, 26463), (155, 26436), (163, 26409), (164, 26403), (175, 26349), (177, 26343), (193, 26274), (211, 26190), (227, 26100), (229, 26088), (235, 26046), (266, 25917),

Gene: Jojo24_30 Start: 25776, Stop: 24811, Start Num: 9

Candidate Starts for Jojo24_30:

(6, 25785), (Start: 9 @25776 has 1 MA's), (Start: 12 @25770 has 2 MA's), (Start: 50 @25659 has 2 MA's), (Start: 64 @25632 has 8 MA's), (75, 25596), (114, 25440), (116, 25428), (127, 25368), (138, 25320), (140, 25311), (152, 25266), (155, 25257), (161, 25239), (193, 25095), (194, 25089), (206, 25035), (211, 25011), (215, 24996), (219, 24975), (221, 24951), (228, 24912), (229, 24909), (230, 24894),

Gene: Journey_34 Start: 27409, Stop: 26438, Start Num: 17

Candidate Starts for Journey_34:

(Start: 17 @27409 has 43 MA's), (19, 27400), (Start: 55 @27325 has 2 MA's), (Start: 64 @27310 has 8 MA's), (96, 27187), (103, 27163), (127, 27046), (128, 27043), (134, 27022), (142, 26983), (143, 26980), (145, 26974), (150, 26959), (155, 26938), (160, 26923), (173, 26866), (174, 26854), (184, 26815), (190, 26788), (193, 26776), (199, 26749), (206, 26710), (211, 26686), (215, 26671), (235, 26542), (244, 26488), (255, 26455),

Gene: Jumbo_69 Start: 59172, Stop: 58372, Start Num: 58

Candidate Starts for Jumbo_69:

(Start: 58 @59172 has 1 MA's), (140, 58866), (152, 58824), (167, 58764), (185, 58686), (196, 58626), (209, 58563), (221, 58500), (226, 58470), (230, 58440), (238, 58386),

Gene: Jung_29 Start: 26776, Stop: 25883, Start Num: 52

Candidate Starts for Jung_29:

(Start: 22 @26839 has 35 MA's), (Start: 52 @26776 has 13 MA's), (Start: 54 @26773 has 8 MA's), (Start: 86 @26701 has 1 MA's), (Start: 88 @26692 has 3 MA's), (103, 26641), (127, 26524), (128, 26521), (129, 26518), (136, 26488), (138, 26476), (142, 26461), (148, 26443), (155, 26416), (163, 26389), (164, 26383), (175, 26329), (181, 26305), (193, 26254), (211, 26170), (227, 26080), (229, 26068), (235, 26026), (266, 25897),

Gene: Juniormint_30 Start: 26911, Stop: 25955, Start Num: 22

Candidate Starts for Juniormint_30:

(Start: 22 @26911 has 35 MA's), (Start: 52 @26848 has 13 MA's), (Start: 54 @26845 has 8 MA's), (Start: 86 @26773 has 1 MA's), (Start: 88 @26764 has 3 MA's), (103, 26713), (127, 26596), (128, 26593), (129, 26590), (136, 26560), (138, 26548), (142, 26533), (148, 26515), (155, 26488), (163, 26461), (164, 26455), (175, 26401), (193, 26326), (211, 26242), (227, 26152), (229, 26140), (235, 26098), (266, 25969),

Gene: Kampe_71 Start: 57027, Stop: 56266, Start Num: 65

Candidate Starts for Kampe_71:

(21, 57117), (Start: 36 @57087 has 1 MA's), (43, 57069), (Start: 65 @57027 has 4 MA's), (82, 56958), (114, 56856), (115, 56853), (134, 56769), (137, 56751), (142, 56730), (145, 56721), (151, 56703), (156, 56682), (176, 56601), (188, 56544), (219, 56412), (221, 56388), (226, 56361), (229, 56346), (234, 56310), (235, 56304), (238, 56277), (239, 56271),

Gene: Kari_30 Start: 26806, Stop: 25916, Start Num: 54

Candidate Starts for Kari_30:

(Start: 22 @26872 has 35 MA's), (37, 26842), (Start: 52 @26809 has 13 MA's), (Start: 54 @26806 has 8 MA's), (Start: 86 @26734 has 1 MA's), (Start: 88 @26725 has 3 MA's), (90, 26719), (103, 26674), (127, 26557), (128, 26554), (129, 26551), (136, 26521), (138, 26509), (142, 26494), (148, 26476), (155, 26449), (163, 26422), (164, 26416), (175, 26362), (177, 26356), (193, 26287), (211, 26203), (221, 26143), (229, 26101), (235, 26059), (266, 25930),

Gene: Kevin1_35 Start: 28640, Stop: 27669, Start Num: 17

Candidate Starts for Kevin1_35:

(14, 28643), (Start: 17 @28640 has 43 MA's), (Start: 55 @28556 has 2 MA's), (Start: 88 @28445 has 3 MA's), (96, 28418), (103, 28394), (127, 28277), (145, 28205), (150, 28190), (155, 28169), (184, 28046), (190, 28019), (193, 28007), (199, 27980), (206, 27941), (211, 27917), (215, 27902), (229, 27815), (235, 27773), (236, 27758), (244, 27719),

Gene: Kiko_39 Start: 31306, Stop: 30413, Start Num: 45

Candidate Starts for Kiko_39:

(Start: 45 @31306 has 13 MA's), (Start: 47 @31300 has 2 MA's), (Start: 50 @31297 has 2 MA's), (74, 31240), (76, 31237), (84, 31195), (110, 31111), (119, 31060), (131, 31009), (156, 30913), (163, 30889), (178, 30817), (193, 30742), (233, 30532), (237, 30487),

Gene: KilKor_30 Start: 27132, Stop: 26176, Start Num: 22

Candidate Starts for KilKor_30:

(Start: 22 @27132 has 35 MA's), (Start: 52 @27069 has 13 MA's), (Start: 54 @27066 has 8 MA's), (Start: 86 @26994 has 1 MA's), (Start: 88 @26985 has 3 MA's), (103, 26934), (127, 26817), (128, 26814), (129, 26811), (136, 26781), (138, 26769), (142, 26754), (148, 26736), (155, 26709), (163, 26682), (164, 26676), (175, 26622), (177, 26616), (181, 26598), (193, 26547), (211, 26463), (227, 26373), (229, 26361), (235, 26319), (266, 26190),

Gene: Ksquared_30 Start: 26889, Stop: 25933, Start Num: 22

Candidate Starts for Ksquared_30:

(Start: 22 @26889 has 35 MA's), (Start: 52 @26826 has 13 MA's), (Start: 54 @26823 has 8 MA's), (Start: 86 @26751 has 1 MA's), (Start: 88 @26742 has 3 MA's), (103, 26691), (127, 26574), (128, 26571), (129, 26568), (136, 26538), (138, 26526), (142, 26511), (148, 26493), (155, 26466), (163, 26439), (164, 26433), (175, 26379), (193, 26304), (211, 26220), (227, 26130), (229, 26118), (235, 26076), (266, 25947),

Gene: Langerak_30 Start: 26891, Stop: 25902, Start Num: 22

Candidate Starts for Langerak_30:

(Start: 22 @26891 has 35 MA's), (37, 26861), (Start: 52 @26828 has 13 MA's), (Start: 54 @26825 has 8 MA's), (68, 26795), (69, 26792), (Start: 86 @26720 has 1 MA's), (Start: 88 @26711 has 3 MA's), (90, 26705), (103, 26660), (127, 26543), (128, 26540), (129, 26537), (136, 26507), (138, 26495), (142, 26480), (148, 26462), (155, 26435), (163, 26408), (164, 26402), (175, 26348), (177, 26342), (181, 26324), (193, 26273), (211, 26189), (221, 26129), (229, 26087), (235, 26045), (266, 25916),

Gene: MagicMan_38 Start: 31978, Stop: 31088, Start Num: 45

Candidate Starts for MagicMan_38:

(7, 32086), (11, 32077), (18, 32032), (Start: 45 @31978 has 13 MA's), (Start: 47 @31972 has 2 MA's), (Start: 50 @31969 has 2 MA's), (74, 31912), (76, 31909), (84, 31867), (98, 31822), (110, 31783), (146, 31618), (152, 31597), (156, 31585), (158, 31579), (163, 31561), (168, 31534), (183, 31459), (191, 31423), (193, 31414), (209, 31333), (233, 31204), (235, 31183), (237, 31159),

Gene: Magsby_36 Start: 28735, Stop: 27764, Start Num: 17

Candidate Starts for Magsby_36:

(Start: 17 @28735 has 43 MA's), (Start: 55 @28651 has 2 MA's), (Start: 64 @28636 has 8 MA's), (96, 28513), (103, 28489), (127, 28372), (128, 28369), (134, 28348), (142, 28309), (143, 28306), (145, 28300), (150, 28285), (155, 28264), (160, 28249), (173, 28192), (174, 28180), (184, 28141), (190, 28114), (193, 28102), (199, 28075), (206, 28036), (211, 28012), (215, 27997), (235, 27868), (236, 27853), (244, 27814),

Gene: Majeke_30 Start: 26913, Stop: 25924, Start Num: 22

Candidate Starts for Majeke_30:

(Start: 22 @26913 has 35 MA's), (37, 26883), (Start: 52 @26850 has 13 MA's), (Start: 54 @26847 has 8 MA's), (68, 26817), (69, 26814), (Start: 86 @26742 has 1 MA's), (Start: 88 @26733 has 3 MA's), (90, 26727), (103, 26682), (127, 26565), (128, 26562), (129, 26559), (136, 26529), (138, 26517), (142, 26502), (148, 26484), (155, 26457), (163, 26430), (164, 26424), (175, 26370), (177, 26364), (181, 26346), (193, 26295), (211, 26211), (221, 26151), (229, 26109), (235, 26067), (266, 25938),

Gene: Malithi_30 Start: 26799, Stop: 25843, Start Num: 22

Candidate Starts for Malithi_30:

(Start: 22 @26799 has 35 MA's), (37, 26769), (Start: 52 @26736 has 13 MA's), (Start: 54 @26733 has 8 MA's), (Start: 86 @26661 has 1 MA's), (Start: 88 @26652 has 3 MA's), (103, 26601), (127, 26484), (128, 26481), (129, 26478), (136, 26448), (138, 26436), (142, 26421), (148, 26403), (155, 26376), (163, 26349), (164, 26343), (175, 26289), (181, 26265), (193, 26214), (211, 26130), (227, 26040), (229, 26028), (235, 25986), (266, 25857),

Gene: Mangethe_30 Start: 26913, Stop: 25924, Start Num: 22

Candidate Starts for Mangethe_30:

(Start: 22 @26913 has 35 MA's), (37, 26883), (Start: 52 @26850 has 13 MA's), (Start: 54 @26847 has 8 MA's), (68, 26817), (69, 26814), (Start: 86 @26742 has 1 MA's), (Start: 88 @26733 has 3 MA's), (90, 26727), (103, 26682), (127, 26565), (128, 26562), (129, 26559), (136, 26529), (138, 26517), (142, 26502), (148, 26484), (155, 26457), (163, 26430), (164, 26424), (175, 26370), (177, 26364), (181,

26346), (193, 26295), (211, 26211), (221, 26151), (229, 26109), (235, 26067), (266, 25938),

Gene: Manilisa_34 Start: 29753, Stop: 28863, Start Num: 51

Candidate Starts for Manilisa_34:

(Start: 51 @29753 has 4 MA's), (85, 29648), (Start: 86 @29645 has 1 MA's), (93, 29618), (103, 29585), (126, 29480), (127, 29468), (142, 29405), (150, 29381), (154, 29363), (155, 29360), (177, 29267), (182, 29246), (186, 29222), (193, 29198), (199, 29171), (211, 29108), (226, 29021), (229, 29006), (235, 28964), (241, 28919),

Gene: Mbo2_72 Start: 53083, Stop: 52283, Start Num: 59

Candidate Starts for Mbo2_72:

(Start: 28 @53146 has 1 MA's), (Start: 59 @53083 has 2 MA's), (Start: 86 @52990 has 1 MA's), (94, 52960), (108, 52900), (120, 52843), (135, 52786), (142, 52753), (145, 52744), (153, 52714), (170, 52642), (190, 52558), (193, 52549), (198, 52522), (205, 52489), (216, 52444), (225, 52381), (227, 52375), (238, 52294),

Gene: Megiddo_30 Start: 27132, Stop: 26176, Start Num: 22

Candidate Starts for Megiddo_30:

(Start: 22 @27132 has 35 MA's), (Start: 52 @27069 has 13 MA's), (Start: 54 @27066 has 8 MA's), (Start: 86 @26994 has 1 MA's), (Start: 88 @26985 has 3 MA's), (103, 26934), (127, 26817), (128, 26814), (129, 26811), (136, 26781), (138, 26769), (142, 26754), (148, 26736), (155, 26709), (163, 26682), (164, 26676), (175, 26622), (177, 26616), (181, 26598), (193, 26547), (211, 26463), (227, 26373), (229, 26361), (235, 26319), (266, 26190),

Gene: Melba_39 Start: 32054, Stop: 31227, Start Num: 54

Candidate Starts for Melba_39:

(Start: 24 @32117 has 8 MA's), (Start: 33 @32096 has 1 MA's), (40, 32081), (Start: 50 @32063 has 2 MA's), (Start: 54 @32054 has 8 MA's), (Start: 64 @32036 has 8 MA's), (81, 31970), (155, 31664), (177, 31571), (183, 31544), (193, 31502), (206, 31442), (211, 31418), (219, 31382), (230, 31301),

Gene: Melville_38 Start: 28719, Stop: 27748, Start Num: 17

Candidate Starts for Melville_38:

(Start: 17 @28719 has 43 MA's), (Start: 55 @28635 has 2 MA's), (Start: 64 @28620 has 8 MA's), (96, 28497), (103, 28473), (127, 28356), (128, 28353), (134, 28332), (142, 28293), (143, 28290), (145, 28284), (150, 28269), (155, 28248), (160, 28233), (173, 28176), (174, 28164), (184, 28125), (190, 28098), (193, 28086), (199, 28059), (206, 28020), (211, 27996), (215, 27981), (235, 27852), (236, 27837), (244, 27798),

Gene: Meyran_33 Start: 30330, Stop: 29470, Start Num: 51

Candidate Starts for Meyran_33:

(3, 30474), (15, 30408), (Start: 51 @30330 has 4 MA's), (85, 30225), (93, 30195), (103, 30162), (127, 30045), (150, 29958), (154, 29940), (155, 29937), (177, 29844), (184, 29814), (186, 29799), (193, 29775), (199, 29748), (211, 29685), (226, 29598), (229, 29583), (235, 29541), (241, 29496),

Gene: MichelleMyBell_34 Start: 27726, Stop: 26755, Start Num: 17

Candidate Starts for MichelleMyBell_34:

(Start: 17 @27726 has 43 MA's), (Start: 55 @27642 has 2 MA's), (Start: 64 @27627 has 8 MA's), (96, 27504), (103, 27480), (127, 27363), (128, 27360), (134, 27339), (142, 27300), (143, 27297), (145, 27291), (150, 27276), (155, 27255), (160, 27240), (173, 27183), (174, 27171), (184, 27132), (190, 27105), (193, 27093), (199, 27066), (206, 27027), (211, 27003), (215, 26988), (235, 26859), (236, 26844), (244, 26805),

Gene: MintFen_40 Start: 32191, Stop: 31301, Start Num: 24

Candidate Starts for MintFen_40:

(Start: 24 @32191 has 8 MA's), (Start: 33 @32170 has 1 MA's), (40, 32155), (Start: 50 @32137 has 2 MA's), (Start: 54 @32128 has 8 MA's), (Start: 64 @32110 has 8 MA's), (81, 32044), (155, 31738), (177, 31645), (183, 31618), (193, 31576), (206, 31516), (211, 31492), (219, 31456), (230, 31375),

Gene: Moonflower_38 Start: 32642, Stop: 31752, Start Num: 45

Candidate Starts for Moonflower_38:

(10, 32750), (Start: 45 @32642 has 13 MA's), (Start: 47 @32636 has 2 MA's), (Start: 50 @32633 has 2 MA's), (67, 32597), (74, 32576), (76, 32573), (84, 32531), (110, 32447), (156, 32249), (187, 32102), (208, 32003), (233, 31868), (235, 31847), (237, 31823),

Gene: Nazo_34 Start: 28936, Stop: 28034, Start Num: 47

Candidate Starts for Nazo_34:

(35, 28963), (Start: 47 @28936 has 2 MA's), (Start: 52 @28927 has 13 MA's), (Start: 86 @28852 has 1 MA's), (Start: 88 @28843 has 3 MA's), (127, 28675), (128, 28672), (129, 28669), (136, 28639), (138, 28627), (142, 28612), (148, 28594), (155, 28567), (163, 28540), (164, 28534), (175, 28480), (181, 28456), (190, 28417), (193, 28405), (211, 28321), (215, 28306), (218, 28288), (229, 28219), (235, 28177), (249, 28108), (266, 28048),

Gene: Necropolis_30 Start: 26871, Stop: 25915, Start Num: 22

Candidate Starts for Necropolis_30:

(Start: 22 @26871 has 35 MA's), (37, 26841), (Start: 52 @26808 has 13 MA's), (Start: 54 @26805 has 8 MA's), (Start: 86 @26733 has 1 MA's), (Start: 88 @26724 has 3 MA's), (90, 26718), (103, 26673), (127, 26556), (128, 26553), (129, 26550), (136, 26520), (138, 26508), (142, 26493), (148, 26475), (155, 26448), (163, 26421), (164, 26415), (175, 26361), (181, 26337), (193, 26286), (211, 26202), (227, 26112), (229, 26100), (235, 26058), (266, 25929),

Gene: Nenae_37 Start: 29038, Stop: 28067, Start Num: 17

Candidate Starts for Nenae_37:

(Start: 17 @29038 has 43 MA's), (Start: 55 @28954 has 2 MA's), (Start: 59 @28945 has 2 MA's), (103, 28792), (127, 28675), (128, 28672), (142, 28612), (145, 28603), (150, 28588), (155, 28567), (161, 28549), (174, 28483), (190, 28417), (193, 28405), (199, 28378), (206, 28339), (211, 28315), (215, 28300), (227, 28225), (235, 28171),

Gene: Nyceirae_34 Start: 29373, Stop: 28474, Start Num: 45

Candidate Starts for Nyceirae_34:

(Start: 45 @29373 has 13 MA's), (Start: 47 @29367 has 2 MA's), (Start: 50 @29364 has 2 MA's), (74, 29307), (76, 29304), (80, 29280), (84, 29262), (119, 29127), (131, 29076), (138, 29040), (157, 28977), (187, 28833), (215, 28707), (229, 28620), (233, 28599), (237, 28554), (253, 28494),

Gene: Obliviate_36 Start: 30564, Stop: 29674, Start Num: 24

Candidate Starts for Obliviate_36:

(Start: 24 @30564 has 8 MA's), (Start: 33 @30543 has 1 MA's), (40, 30528), (Start: 50 @30510 has 2 MA's), (Start: 54 @30501 has 8 MA's), (Start: 64 @30483 has 8 MA's), (81, 30417), (155, 30111), (183, 29991), (193, 29949), (206, 29889), (211, 29865), (219, 29829), (230, 29748),

Gene: Opie_41 Start: 32411, Stop: 31515, Start Num: 45

Candidate Starts for Opie_41:

(Start: 45 @32411 has 13 MA's), (Start: 47 @32405 has 2 MA's), (Start: 50 @32402 has 2 MA's), (74, 32345), (76, 32342), (84, 32300), (Start: 88 @32285 has 3 MA's), (98, 32255), (119, 32165), (129, 32120), (130, 32117), (131, 32114), (156, 32018), (158, 32012), (163, 31994), (193, 31847), (200, 31817), (222, 31697), (233, 31637), (235, 31616), (237, 31592),

Gene: Orchid_70 Start: 57028, Stop: 56267, Start Num: 65

Candidate Starts for Orchid_70:

(21, 57118), (Start: 36 @57088 has 1 MA's), (43, 57070), (Start: 65 @57028 has 4 MA's), (82, 56959), (114, 56857), (115, 56854), (134, 56770), (137, 56752), (142, 56731), (145, 56722), (151, 56704), (156, 56683), (176, 56602), (188, 56545), (219, 56413), (221, 56389), (226, 56362), (229, 56347), (234, 56311), (235, 56305), (238, 56278), (239, 56272),

Gene: P3MA_37 Start: 29827, Stop: 28817, Start Num: 12

Candidate Starts for P3MA_37:

(Start: 12 @29827 has 2 MA's), (Start: 52 @29710 has 13 MA's), (77, 29641), (Start: 86 @29605 has 1 MA's), (Start: 88 @29596 has 3 MA's), (117, 29470), (120, 29449), (127, 29416), (150, 29329), (155, 29308), (164, 29275), (173, 29236), (177, 29215), (181, 29197), (183, 29188), (184, 29185), (187, 29167), (193, 29146), (202, 29101), (210, 29065), (231, 28945), (248, 28843),

Gene: PaintedDog_39 Start: 30583, Stop: 29693, Start Num: 52

Candidate Starts for PaintedDog_39:

(Start: 22 @30646 has 35 MA's), (Start: 52 @30583 has 13 MA's), (Start: 88 @30499 has 3 MA's), (93, 30481), (127, 30331), (128, 30328), (129, 30325), (136, 30295), (138, 30283), (142, 30268), (145, 30259), (148, 30250), (155, 30223), (164, 30190), (175, 30136), (177, 30130), (190, 30073), (193, 30061), (211, 29977), (227, 29887), (229, 29875), (230, 29860), (235, 29833), (257, 29740), (259, 29737),

Gene: Panchino_32 Start: 29134, Stop: 28163, Start Num: 17

Candidate Starts for Panchino_32:

(Start: 17 @29134 has 43 MA's), (Start: 55 @29050 has 2 MA's), (Start: 64 @29035 has 8 MA's), (96, 28912), (103, 28888), (127, 28771), (128, 28768), (134, 28747), (142, 28708), (143, 28705), (145, 28699), (150, 28684), (155, 28663), (160, 28648), (173, 28591), (174, 28579), (184, 28540), (190, 28513), (193, 28501), (199, 28474), (206, 28435), (211, 28411), (215, 28396), (235, 28267), (236, 28252), (244, 28213),

Gene: Parmesanjohn_36 Start: 28738, Stop: 27767, Start Num: 17

Candidate Starts for Parmesanjohn_36:

(Start: 17 @28738 has 43 MA's), (Start: 55 @28654 has 2 MA's), (Start: 64 @28639 has 8 MA's), (96, 28516), (103, 28492), (127, 28375), (128, 28372), (134, 28351), (142, 28312), (143, 28309), (145, 28303), (150, 28288), (155, 28267), (160, 28252), (173, 28195), (174, 28183), (184, 28144), (190, 28117), (193, 28105), (199, 28078), (206, 28039), (211, 28015), (215, 28000), (235, 27871), (236, 27856), (244, 27817),

Gene: PatrickStar_71 Start: 57027, Stop: 56266, Start Num: 65

Candidate Starts for PatrickStar_71:

(21, 57117), (Start: 36 @57087 has 1 MA's), (43, 57069), (Start: 65 @57027 has 4 MA's), (82, 56958), (114, 56856), (115, 56853), (134, 56769), (137, 56751), (142, 56730), (145, 56721), (151, 56703), (156, 56682), (176, 56601), (188, 56544), (219, 56412), (221, 56388), (226, 56361), (229, 56346), (234, 56310), (235, 56304), (238, 56277), (239, 56271),

Gene: PeanutPie_30 Start: 26808, Stop: 25915, Start Num: 52

Candidate Starts for PeanutPie_30:

(Start: 22 @26871 has 35 MA's), (Start: 52 @26808 has 13 MA's), (Start: 54 @26805 has 8 MA's), (Start: 86 @26733 has 1 MA's), (Start: 88 @26724 has 3 MA's), (103, 26673), (127, 26556), (128, 26553), (129, 26550), (136, 26520), (138, 26508), (142, 26493), (148, 26475), (155, 26448), (163, 26421), (164, 26415), (175, 26361), (193, 26286), (211, 26202), (227, 26112), (229, 26100), (235, 26058), (266, 25929),

Gene: Petra_37 Start: 30869, Stop: 30033, Start Num: 50

Candidate Starts for Petra_37:

(Start: 24 @30923 has 8 MA's), (Start: 33 @30902 has 1 MA's), (40, 30887), (Start: 50 @30869 has 2 MA's), (Start: 54 @30860 has 8 MA's), (Start: 64 @30842 has 8 MA's), (81, 30776), (155, 30470), (161, 30452), (164, 30437), (183, 30350), (187, 30329), (193, 30308), (206, 30248), (211, 30224), (219, 30188), (230, 30107),

Gene: Phalm_30 Start: 27132, Stop: 26176, Start Num: 22

Candidate Starts for Phalm_30:

(Start: 22 @27132 has 35 MA's), (Start: 52 @27069 has 13 MA's), (Start: 54 @27066 has 8 MA's), (Start: 86 @26994 has 1 MA's), (Start: 88 @26985 has 3 MA's), (103, 26934), (127, 26817), (128, 26814), (129, 26811), (136, 26781), (138, 26769), (142, 26754), (148, 26736), (155, 26709), (163, 26682), (164, 26676), (175, 26622), (177, 26616), (181, 26598), (193, 26547), (211, 26463), (227, 26373), (229, 26361), (235, 26319), (266, 26190),

Gene: PhancyPhin_37 Start: 29032, Stop: 28061, Start Num: 17

Candidate Starts for PhancyPhin_37:

(Start: 17 @29032 has 43 MA's), (Start: 55 @28948 has 2 MA's), (Start: 59 @28939 has 2 MA's), (103, 28786), (127, 28669), (128, 28666), (142, 28606), (145, 28597), (150, 28582), (155, 28561), (161, 28543), (174, 28477), (190, 28411), (193, 28399), (199, 28372), (206, 28333), (211, 28309), (215, 28294), (227, 28219), (235, 28165),

Gene: Phayonce_32 Start: 28847, Stop: 27957, Start Num: 52

Candidate Starts for Phayonce_32:

(20, 28913), (23, 28904), (27, 28895), (Start: 52 @28847 has 13 MA's), (Start: 86 @28772 has 1 MA's), (Start: 88 @28763 has 3 MA's), (127, 28589), (128, 28586), (129, 28583), (138, 28541), (142, 28526), (148, 28508), (155, 28481), (164, 28448), (175, 28394), (185, 28352), (193, 28319), (211, 28235), (215, 28220), (229, 28133), (235, 28091), (243, 28040), (252, 28010), (258, 27998),

Gene: Phegasus_30 Start: 26880, Stop: 25924, Start Num: 22

Candidate Starts for Phegasus_30:

(Start: 22 @26880 has 35 MA's), (37, 26850), (Start: 52 @26817 has 13 MA's), (Start: 54 @26814 has 8 MA's), (Start: 86 @26742 has 1 MA's), (Start: 88 @26733 has 3 MA's), (90, 26727), (103, 26682), (127, 26565), (128, 26562), (129, 26559), (136, 26529), (138, 26517), (142, 26502), (148, 26484), (155, 26457), (163, 26430), (164, 26424), (175, 26370), (181, 26346), (193, 26295), (211, 26211), (221, 26151), (229, 26109), (235, 26067), (266, 25938),

Gene: Philonius_34 Start: 27400, Stop: 26429, Start Num: 17

Candidate Starts for Philonius_34:

(Start: 17 @27400 has 43 MA's), (19, 27391), (Start: 55 @27316 has 2 MA's), (Start: 64 @27301 has 8 MA's), (96, 27178), (103, 27154), (127, 27037), (128, 27034), (134, 27013), (142, 26974), (143, 26971), (145, 26965), (150, 26950), (155, 26929), (160, 26914), (173, 26857), (174, 26845), (184, 26806), (190, 26779), (193, 26767), (199, 26740), (206, 26701), (211, 26677), (215, 26662), (235, 26533), (244, 26479), (255, 26446),

Gene: Phineas_30 Start: 27246, Stop: 26290, Start Num: 22

Candidate Starts for Phineas_30:

(Start: 22 @27246 has 35 MA's), (37, 27216), (Start: 52 @27183 has 13 MA's), (Start: 54 @27180 has 8 MA's), (Start: 86 @27108 has 1 MA's), (Start: 88 @27099 has 3 MA's), (90, 27093), (103, 27048), (127, 26931), (128, 26928), (129, 26925), (136, 26895), (138, 26883), (142, 26868), (148, 26850), (155, 26823), (163, 26796), (164, 26790), (175, 26736), (177, 26730), (193, 26661), (211, 26577), (221, 26517), (229, 26475), (235, 26433), (266, 26304),

Gene: Phishy_35 Start: 30744, Stop: 29884, Start Num: 51

Candidate Starts for Phishy_35:

(25, 30795), (Start: 51 @30744 has 4 MA's), (85, 30639), (93, 30609), (103, 30576), (104, 30567), (127, 30459), (128, 30456), (142, 30396), (150, 30372), (154, 30354), (155, 30351), (184, 30228), (186, 30213), (193, 30189), (199, 30162), (211, 30099), (215, 30084), (226, 30012), (229, 29997), (235, 29955), (241, 29910),

Gene: Phloss_34 Start: 28145, Stop: 27174, Start Num: 17

Candidate Starts for Phloss_34:

(Start: 17 @28145 has 43 MA's), (Start: 55 @28061 has 2 MA's), (Start: 64 @28046 has 8 MA's), (96, 27923), (103, 27899), (127, 27782), (128, 27779), (134, 27758), (142, 27719), (143, 27716), (145, 27710), (150, 27695), (155, 27674), (160, 27659), (173, 27602), (174, 27590), (184, 27551), (190, 27524), (193, 27512), (199, 27485), (206, 27446), (211, 27422), (215, 27407), (235, 27278), (236, 27263), (244, 27224),

Gene: Phrann_37 Start: 29816, Stop: 28845, Start Num: 17

Candidate Starts for Phrann_37:

(Start: 17 @29816 has 43 MA's), (Start: 55 @29732 has 2 MA's), (Start: 59 @29723 has 2 MA's), (103, 29570), (127, 29453), (128, 29450), (142, 29390), (145, 29381), (150, 29366), (155, 29345), (161, 29327), (174, 29261), (190, 29195), (193, 29183), (199, 29156), (206, 29117), (211, 29093), (215, 29078), (227, 29003), (235, 28949),

Gene: Pipsqueaks_36 Start: 28715, Stop: 27744, Start Num: 17

Candidate Starts for Pipsqueaks_36:

(Start: 17 @28715 has 43 MA's), (Start: 55 @28631 has 2 MA's), (Start: 64 @28616 has 8 MA's), (96, 28493), (103, 28469), (127, 28352), (128, 28349), (134, 28328), (142, 28289), (143, 28286), (145, 28280), (150, 28265), (155, 28244), (160, 28229), (173, 28172), (174, 28160), (184, 28121), (190, 28094), (193, 28082), (199, 28055), (206, 28016), (211, 27992), (215, 27977), (235, 27848), (236, 27833), (244, 27794),

Gene: Polkaroo_30 Start: 26826, Stop: 25933, Start Num: 52

Candidate Starts for Polkaroo_30:

(Start: 22 @26889 has 35 MA's), (Start: 52 @26826 has 13 MA's), (Start: 54 @26823 has 8 MA's), (Start: 86 @26751 has 1 MA's), (Start: 88 @26742 has 3 MA's), (103, 26691), (127, 26574), (128, 26571), (129, 26568), (136, 26538), (138, 26526), (142, 26511), (148, 26493), (155, 26466), (163, 26439), (164, 26433), (175, 26379), (177, 26373), (181, 26355), (193, 26304), (211, 26220), (227, 26130), (229, 26118), (235, 26076), (266, 25947),

Gene: Purgamenstris_37 Start: 28943, Stop: 28065, Start Num: 59

Candidate Starts for Purgamenstris_37:

(Start: 17 @29036 has 43 MA's), (Start: 55 @28952 has 2 MA's), (Start: 59 @28943 has 2 MA's), (103, 28790), (127, 28673), (128, 28670), (142, 28610), (145, 28601), (150, 28586), (155, 28565), (161, 28547), (174, 28481), (190, 28415), (193, 28403), (199, 28376), (206, 28337), (211, 28313), (215, 28298), (227, 28223), (235, 28169),

Gene: Purky_37 Start: 29562, Stop: 28654, Start Num: 52

Candidate Starts for Purky_37:

(Start: 22 @29622 has 35 MA's), (26, 29613), (Start: 52 @29562 has 13 MA's), (83, 29496), (Start: 88 @29478 has 3 MA's), (127, 29310), (129, 29304), (136, 29274), (138, 29262), (148, 29229), (155, 29202), (157, 29196), (193, 29040), (211, 28956), (212, 28953), (224, 28875), (227, 28866), (235, 28812), (252, 28731),

Gene: Pygmy_32 Start: 28714, Stop: 27758, Start Num: 22

Candidate Starts for Pygmy_32:

(Start: 22 @28714 has 35 MA's), (37, 28684), (Start: 52 @28651 has 13 MA's), (Start: 54 @28648 has 8 MA's), (Start: 86 @28576 has 1 MA's), (Start: 88 @28567 has 3 MA's), (90, 28561), (103, 28516), (127, 28399), (128, 28396), (129, 28393), (136, 28363), (138, 28351), (142, 28336), (145, 28327), (148, 28318), (155, 28291), (163, 28264), (164, 28258), (175, 28204), (181, 28180), (193, 28129), (211, 28045), (221, 27985), (227, 27955), (229, 27943), (235, 27901), (266, 27772),

Gene: QueenHazel_29 Start: 26975, Stop: 26085, Start Num: 52

Candidate Starts for QueenHazel_29:

(Start: 22 @27038 has 35 MA's), (Start: 52 @26975 has 13 MA's), (Start: 88 @26891 has 3 MA's), (93, 26873), (127, 26723), (128, 26720), (129, 26717), (136, 26687), (138, 26675), (142, 26660), (145, 26651), (148, 26642), (155, 26615), (163, 26588), (164, 26582), (175, 26528), (177, 26522), (190, 26465), (193, 26453), (211, 26369), (215, 26354), (227, 26279), (229, 26267), (235, 26225), (257, 26132), (263, 26117),

Gene: RayTheFireFly_45 Start: 32624, Stop: 31815, Start Num: 64

Candidate Starts for RayTheFireFly_45:

(31, 32687), (Start: 33 @32684 has 1 MA's), (40, 32669), (Start: 54 @32642 has 8 MA's), (Start: 64 @32624 has 8 MA's), (81, 32558), (111, 32444), (152, 32261), (155, 32252), (163, 32225), (164, 32219), (183, 32132), (193, 32090), (206, 32030), (211, 32006), (219, 31970), (230, 31889), (240, 31823),

Gene: Raymond7_31 Start: 28846, Stop: 27872, Start Num: 17

Candidate Starts for Raymond7_31:

(Start: 17 @28846 has 43 MA's), (Start: 55 @28762 has 2 MA's), (90, 28645), (96, 28624), (103, 28600), (120, 28516), (127, 28483), (128, 28480), (134, 28459), (143, 28417), (145, 28411), (150, 28396), (155, 28375), (161, 28357), (173, 28303), (174, 28291), (184, 28252), (190, 28225), (193, 28213), (199, 28186), (206, 28147), (211, 28123), (215, 28108), (221, 28063), (235, 27979), (244, 27925),

Gene: Redi_37 Start: 29035, Stop: 28064, Start Num: 17

Candidate Starts for Redi_37:

(Start: 17 @29035 has 43 MA's), (Start: 55 @28951 has 2 MA's), (Start: 59 @28942 has 2 MA's), (103, 28789), (127, 28672), (128, 28669), (142, 28609), (145, 28600), (150, 28585), (155, 28564), (161, 28546), (174, 28480), (190, 28414), (193, 28402), (199, 28375), (206, 28336), (211, 28312), (215, 28297), (227, 28222), (235, 28168),

Gene: Rem711_46 Start: 33683, Stop: 32640, Start Num: 4

Candidate Starts for Rem711_46:

(Start: 4 @33683 has 1 MA's), (Start: 47 @33548 has 2 MA's), (Start: 59 @33524 has 2 MA's), (77, 33467), (79, 33458), (96, 33395), (100, 33380), (102, 33374), (120, 33287), (122, 33281), (123, 33278), (127, 33254), (145, 33182), (150, 33167), (154, 33149), (155, 33146), (164, 33113), (177, 33053), (186, 33008), (190, 32996), (193, 32984), (211, 32891), (219, 32855), (221, 32831), (227, 32801),

Gene: Reyja_31 Start: 25906, Stop: 25172, Start Num: 86

Candidate Starts for Reyja_31:

(7, 26140), (Start: 12 @26131 has 2 MA's), (Start: 50 @26020 has 2 MA's), (Start: 64 @25993 has 8 MA's), (75, 25957), (Start: 86 @25906 has 1 MA's), (114, 25801), (116, 25789), (127, 25729), (138, 25681), (152, 25627), (155, 25618), (161, 25600), (177, 25525), (193, 25456), (206, 25396), (211, 25372), (215, 25357), (219, 25336), (221, 25312), (228, 25273), (229, 25270), (230, 25255), (241, 25183),

Gene: Reynauld_68 Start: 57456, Stop: 56647, Start Num: 59

Candidate Starts for Reynauld_68:

(Start: 59 @57456 has 2 MA's), (Start: 86 @57366 has 1 MA's), (94, 57336), (122, 57210), (133, 57171), (152, 57093), (169, 57018), (177, 56985), (182, 56964), (193, 56916), (225, 56745), (227, 56739), (238, 56658),

Gene: RobinSparkles_72 Start: 56946, Stop: 56164, Start Num: 53

Candidate Starts for RobinSparkles_72:

(Start: 53 @56946 has 1 MA's), (Start: 65 @56925 has 4 MA's), (82, 56856), (114, 56754), (115, 56751), (134, 56667), (137, 56649), (142, 56628), (145, 56619), (151, 56601), (156, 56580), (176, 56499), (188, 56442), (219, 56310), (221, 56286), (226, 56259), (229, 56244), (234, 56208), (235, 56202), (238, 56175), (239, 56169),

Gene: Rubeelu_37 Start: 29461, Stop: 28490, Start Num: 17

Candidate Starts for Rubeelu_37:

(14, 29464), (Start: 17 @29461 has 43 MA's), (Start: 55 @29377 has 2 MA's), (Start: 88 @29266 has 3 MA's), (96, 29239), (103, 29215), (127, 29098), (145, 29026), (150, 29011), (155, 28990), (184, 28867), (190, 28840), (193, 28828), (199, 28801), (206, 28762), (211, 28738), (215, 28723), (227, 28648), (229, 28636), (235, 28594), (236, 28579), (244, 28540),

Gene: Santhid_30 Start: 24489, Stop: 23530, Start Num: 12

Candidate Starts for Santhid_30:

(6, 24504), (Start: 9 @24495 has 1 MA's), (Start: 12 @24489 has 2 MA's), (Start: 50 @24378 has 2 MA's), (Start: 64 @24351 has 8 MA's), (75, 24315), (114, 24159), (116, 24147), (127, 24087), (138, 24039), (140, 24030), (152, 23985), (155, 23976), (161, 23958), (193, 23814), (194, 23808), (206, 23754), (211, 23730), (215, 23715), (219, 23694), (228, 23631), (230, 23613),

Gene: Schnabeltier_38 Start: 31608, Stop: 30718, Start Num: 45

Candidate Starts for Schnabeltier_38:

(Start: 17 @31668 has 43 MA's), (Start: 45 @31608 has 13 MA's), (Start: 47 @31602 has 2 MA's), (Start: 50 @31599 has 2 MA's), (74, 31542), (76, 31539), (84, 31497), (98, 31452), (110, 31413), (146, 31248), (152, 31227), (156, 31215), (158, 31209), (163, 31191), (168, 31164), (183, 31089), (191, 31053), (193, 31044), (209, 30963), (233, 30834), (235, 30813), (237, 30789),

Gene: Schnauzer_36 Start: 28738, Stop: 27767, Start Num: 17

Candidate Starts for Schnauzer_36:

(Start: 17 @28738 has 43 MA's), (Start: 55 @28654 has 2 MA's), (Start: 64 @28639 has 8 MA's), (96, 28516), (103, 28492), (127, 28375), (128, 28372), (134, 28351), (142, 28312), (143, 28309), (145, 28303), (150, 28288), (155, 28267), (160, 28252), (173, 28195), (174, 28183), (184, 28144), (190, 28117), (193, 28105), (199, 28078), (206, 28039), (211, 28015), (215, 28000), (235, 27871), (236, 27856), (244, 27817),

Gene: Scitech_31 Start: 26586, Stop: 25615, Start Num: 17

Candidate Starts for Scitech_31:

(Start: 17 @26586 has 43 MA's), (Start: 55 @26502 has 2 MA's), (Start: 64 @26487 has 8 MA's), (96, 26364), (103, 26340), (127, 26223), (128, 26220), (134, 26199), (142, 26160), (143, 26157), (145, 26151), (150, 26136), (155, 26115), (160, 26100), (173, 26043), (174, 26031), (184, 25992), (190, 25965), (193, 25953), (199, 25926), (206, 25887), (211, 25863), (215, 25848), (235, 25719), (244, 25665), (255, 25632),

Gene: Shipwreck_32 Start: 28626, Stop: 27733, Start Num: 52

Candidate Starts for Shipwreck_32:

(Start: 22 @28689 has 35 MA's), (37, 28659), (Start: 52 @28626 has 13 MA's), (Start: 54 @28623 has 8 MA's), (Start: 86 @28551 has 1 MA's), (Start: 88 @28542 has 3 MA's), (90, 28536), (103, 28491), (127, 28374), (128, 28371), (129, 28368), (136, 28338), (138, 28326), (142, 28311), (145, 28302), (148, 28293), (155, 28266), (163, 28239), (164, 28233), (175, 28179), (181, 28155), (193, 28104), (211, 28020), (221, 27960), (227, 27930), (229, 27918), (235, 27876), (266, 27747),

Gene: ShrimpFriedEgg_37 Start: 29035, Stop: 28064, Start Num: 17

Candidate Starts for ShrimpFriedEgg_37:

(Start: 17 @29035 has 43 MA's), (Start: 55 @28951 has 2 MA's), (Start: 59 @28942 has 2 MA's), (103, 28789), (127, 28672), (128, 28669), (142, 28609), (145, 28600), (150, 28585), (155, 28564), (161, 28546), (174, 28480), (190, 28414), (193, 28402), (199, 28375), (206, 28336), (211, 28312), (215, 28297), (227, 28222), (235, 28168),

Gene: Shweta_33 Start: 27918, Stop: 26947, Start Num: 17

Candidate Starts for Shweta_33:

(Start: 17 @27918 has 43 MA's), (Start: 55 @27834 has 2 MA's), (Start: 64 @27819 has 8 MA's), (96, 27696), (103, 27672), (127, 27555), (128, 27552), (134, 27531), (142, 27492), (143, 27489), (145, 27483), (150, 27468), (155, 27447), (160, 27432), (173, 27375), (174, 27363), (184, 27324), (190, 27297), (193, 27285), (199, 27258), (206, 27219), (211, 27195), (215, 27180), (235, 27051), (236, 27036), (244, 26997),

Gene: Silvafighter_37 Start: 28711, Stop: 27740, Start Num: 17

Candidate Starts for Silvafighter_37:

(Start: 17 @28711 has 43 MA's), (Start: 55 @28627 has 2 MA's), (Start: 64 @28612 has 8 MA's), (96, 28489), (103, 28465), (127, 28348), (128, 28345), (134, 28324), (142, 28285), (143, 28282), (145, 28276), (150, 28261), (155, 28240), (160, 28225), (173, 28168), (174, 28156), (184, 28117), (190, 28090), (193, 28078), (199, 28051), (206, 28012), (211, 27988), (215, 27973), (235, 27844), (236, 27829), (244, 27790),

Gene: Silvy_34 Start: 27389, Stop: 26418, Start Num: 17

Candidate Starts for Silvy_34:

(Start: 17 @27389 has 43 MA's), (19, 27380), (Start: 55 @27305 has 2 MA's), (Start: 64 @27290 has 8 MA's), (96, 27167), (103, 27143), (127, 27026), (128, 27023), (134, 27002), (142, 26963), (143, 26960), (145, 26954), (150, 26939), (155, 26918), (160, 26903), (173, 26846), (174, 26834), (184, 26795), (190, 26768), (193, 26756), (199, 26729), (206, 26690), (211, 26666), (215, 26651), (235, 26522), (244, 26468), (255, 26435),

Gene: SkinnyPete_31 Start: 26449, Stop: 25478, Start Num: 17

Candidate Starts for SkinnyPete_31:

(Start: 17 @26449 has 43 MA's), (Start: 55 @26365 has 2 MA's), (Start: 64 @26350 has 8 MA's), (96, 26227), (103, 26203), (127, 26086), (128, 26083), (134, 26062), (142, 26023), (143, 26020), (145, 26014), (150, 25999), (155, 25978), (160, 25963), (173, 25906), (174, 25894), (184, 25855), (190, 25828), (193, 25816), (199, 25789), (206, 25750), (211, 25726), (215, 25711), (235, 25582), (244, 25528), (255, 25495),

Gene: Smurph_36 Start: 28738, Stop: 27767, Start Num: 17

Candidate Starts for Smurph_36:

(Start: 17 @28738 has 43 MA's), (Start: 55 @28654 has 2 MA's), (Start: 64 @28639 has 8 MA's), (96, 28516), (103, 28492), (127, 28375), (128, 28372), (134, 28351), (142, 28312), (143, 28309), (145, 28303), (150, 28288), (155, 28267), (160, 28252), (173, 28195), (174, 28183), (184, 28144), (190, 28117), (193, 28105), (199, 28078), (206, 28039), (211, 28015), (215, 28000), (235, 27871), (236, 27856), (244, 27817),

Gene: Snekmaggedon_33 Start: 27788, Stop: 26817, Start Num: 17

Candidate Starts for Snekmaggedon_33:

(Start: 17 @27788 has 43 MA's), (Start: 55 @27704 has 2 MA's), (Start: 64 @27689 has 8 MA's), (96, 27566), (103, 27542), (127, 27425), (128, 27422), (134, 27401), (142, 27362), (143, 27359), (145, 27353), (150, 27338), (155, 27317), (160, 27302), (173, 27245), (174, 27233), (184, 27194), (190, 27167), (193, 27155), (199, 27128), (206, 27089), (211, 27065), (215, 27050), (235, 26921), (236, 26906), (244, 26867),

Gene: Sonah_30 Start: 26861, Stop: 25905, Start Num: 22

Candidate Starts for Sonah_30:

(Start: 22 @26861 has 35 MA's), (37, 26831), (Start: 52 @26798 has 13 MA's), (Start: 54 @26795 has 8 MA's), (Start: 86 @26723 has 1 MA's), (Start: 88 @26714 has 3 MA's), (103, 26663), (127, 26546), (128, 26543), (129, 26540), (136, 26510), (138, 26498), (142, 26483), (148, 26465), (155, 26438), (163, 26411), (164, 26405), (175, 26351), (181, 26327), (193, 26276), (211, 26192), (227, 26102), (229, 26090), (235, 26048), (266, 25919),

Gene: Spinach_37 Start: 29035, Stop: 28064, Start Num: 17

Candidate Starts for Spinach_37:

(Start: 17 @29035 has 43 MA's), (Start: 55 @28951 has 2 MA's), (Start: 59 @28942 has 2 MA's), (103, 28789), (127, 28672), (128, 28669), (142, 28609), (145, 28600), (150, 28585), (155, 28564), (161, 28546), (174, 28480), (190, 28414), (193, 28402), (199, 28375), (206, 28336), (211, 28312), (215, 28297), (227, 28222), (235, 28168),

Gene: SpongeBob_33 Start: 27788, Stop: 26817, Start Num: 17

Candidate Starts for SpongeBob_33:

(Start: 17 @27788 has 43 MA's), (Start: 55 @27704 has 2 MA's), (Start: 64 @27689 has 8 MA's), (96, 27566), (103, 27542), (127, 27425), (128, 27422), (134, 27401), (142, 27362), (143, 27359), (145, 27353), (150, 27338), (155, 27317), (160, 27302), (173, 27245), (174, 27233), (184, 27194), (190, 27167), (193, 27155), (199, 27128), (206, 27089), (211, 27065), (215, 27050), (235, 26921), (236, 26906), (244, 26867),

Gene: Srilaccoli3_62 Start: 56496, Stop: 55675, Start Num: 59

Candidate Starts for Srilaccoli3_62:

(Start: 59 @56496 has 2 MA's), (Start: 86 @56406 has 1 MA's), (102, 56340), (152, 56124), (169, 56049), (177, 56016), (184, 55986), (193, 55944), (198, 55917), (208, 55869), (221, 55797), (225, 55773), (227, 55767), (232, 55737), (238, 55686),

Gene: StevieRay_30 Start: 26777, Stop: 25884, Start Num: 52

Candidate Starts for StevieRay_30:

(Start: 22 @26840 has 35 MA's), (Start: 52 @26777 has 13 MA's), (Start: 54 @26774 has 8 MA's), (Start: 86 @26702 has 1 MA's), (Start: 88 @26693 has 3 MA's), (103, 26642), (127, 26525), (128, 26522), (129, 26519), (136, 26489), (138, 26477), (142, 26462), (148, 26444), (155, 26417), (163, 26390), (164, 26384), (175, 26330), (193, 26255), (211, 26171), (227, 26081), (229, 26069), (235, 26027), (266, 25898),

Gene: StressBall_30 Start: 27132, Stop: 26176, Start Num: 22

Candidate Starts for StressBall_30:

(Start: 22 @27132 has 35 MA's), (Start: 52 @27069 has 13 MA's), (Start: 54 @27066 has 8 MA's), (Start: 86 @26994 has 1 MA's), (Start: 88 @26985 has 3 MA's), (103, 26934), (127, 26817), (128, 26814), (129, 26811), (136, 26781), (138, 26769), (142, 26754), (148, 26736), (155, 26709), (163, 26682), (164, 26676), (175, 26622), (177, 26616), (181, 26598), (193, 26547), (211, 26463), (227, 26373), (229, 26361), (235, 26319), (266, 26190),

Gene: TailX7_17 Start: 12494, Stop: 11673, Start Num: 55

Candidate Starts for TailX7_17:

(Start: 55 @12494 has 2 MA's), (Start: 65 @12476 has 4 MA's), (75, 12443), (82, 12407), (91, 12371), (95, 12359), (125, 12230), (130, 12206), (136, 12179), (143, 12149), (152, 12119), (204, 11903), (207, 11888), (209, 11879), (220, 11816), (235, 11729),

Gene: Tapioca_37 Start: 28704, Stop: 27733, Start Num: 17

Candidate Starts for Tapioca_37:

(Start: 17 @28704 has 43 MA's), (Start: 55 @28620 has 2 MA's), (Start: 64 @28605 has 8 MA's), (96, 28482), (103, 28458), (127, 28341), (128, 28338), (134, 28317), (142, 28278), (143, 28275), (145, 28269), (150, 28254), (155, 28233), (160, 28218), (173, 28161), (174, 28149), (184, 28110), (190, 28083), (193, 28071), (199, 28044), (206, 28005), (211, 27981), (215, 27966), (235, 27837), (236, 27822), (244, 27783),

Gene: TaronosaurusRx_39 Start: 30540, Stop: 29644, Start Num: 45

Candidate Starts for TaronosaurusRx_39:

(Start: 45 @30540 has 13 MA's), (Start: 47 @30534 has 2 MA's), (Start: 50 @30531 has 2 MA's), (74, 30474), (76, 30471), (84, 30429), (98, 30384), (119, 30294), (124, 30273), (131, 30243), (156, 30147), (158, 30141), (163, 30123), (193, 29976), (200, 29946), (219, 29853), (222, 29826), (233, 29766), (235, 29745), (237, 29721),

Gene: Tarzan_31 Start: 25523, Stop: 24702, Start Num: 64

Candidate Starts for Tarzan_31:

(7, 25670), (Start: 12 @25661 has 2 MA's), (Start: 50 @25550 has 2 MA's), (Start: 64 @25523 has 8 MA's), (75, 25487), (Start: 86 @25436 has 1 MA's), (114, 25331), (116, 25319), (127, 25259), (138, 25211), (152, 25157), (155, 25148), (161, 25130), (177, 25055), (193, 24986), (206, 24926), (211, 24902), (215, 24887), (219, 24866), (221, 24842), (228, 24803), (229, 24800), (230, 24785),

Gene: Techage_30 Start: 26898, Stop: 25909, Start Num: 22

Candidate Starts for Techage_30:

(Start: 22 @26898 has 35 MA's), (37, 26868), (Start: 52 @26835 has 13 MA's), (Start: 54 @26832 has 8 MA's), (68, 26802), (69, 26799), (Start: 86 @26727 has 1 MA's), (Start: 88 @26718 has 3 MA's), (90, 26712), (103, 26667), (127, 26550), (128, 26547), (129, 26544), (136, 26514), (138, 26502), (142, 26487), (148, 26469), (155, 26442), (163, 26415), (164, 26409), (175, 26355), (177, 26349), (181, 26331), (193, 26280), (211, 26196), (221, 26136), (229, 26094), (235, 26052), (266, 25923),

Gene: Tessdabest_35 Start: 28735, Stop: 27764, Start Num: 17

Candidate Starts for Tessdabest_35:

(Start: 17 @28735 has 43 MA's), (Start: 55 @28651 has 2 MA's), (Start: 64 @28636 has 8 MA's), (96, 28513), (103, 28489), (127, 28372), (128, 28369), (134, 28348), (142, 28309), (143, 28306), (145, 28300), (150, 28285), (155, 28264), (160, 28249), (173, 28192), (174, 28180), (184, 28141), (190, 28114), (193, 28102), (199, 28075), (206, 28036), (211, 28012), (215, 27997), (235, 27868), (236, 27853), (244, 27814),

Gene: Thespis_30 Start: 26805, Stop: 25912, Start Num: 52

Candidate Starts for Thespis_30:

(Start: 22 @26868 has 35 MA's), (Start: 52 @26805 has 13 MA's), (Start: 54 @26802 has 8 MA's), (Start: 86 @26730 has 1 MA's), (Start: 88 @26721 has 3 MA's), (103, 26670), (127, 26553), (128, 26550), (129, 26547), (136, 26517), (138, 26505), (142, 26490), (148, 26472), (155, 26445), (163, 26418), (164, 26412), (175, 26358), (177, 26352), (181, 26334), (193, 26283), (211, 26199), (227, 26109), (229, 26097), (235, 26055), (266, 25926),

Gene: TillyBobJoe_47 Start: 39311, Stop: 38487, Start Num: 60

Candidate Starts for TillyBobJoe_47:

(57, 39314), (Start: 60 @39311 has 1 MA's), (Start: 64 @39305 has 8 MA's), (111, 39128), (127, 39047), (152, 38951), (155, 38942), (174, 38858), (193, 38780), (206, 38723), (211, 38699), (215, 38684), (219, 38663), (226, 38612), (228, 38600), (229, 38597),

Gene: Tortoise12_34 Start: 27421, Stop: 26450, Start Num: 17

Candidate Starts for Tortoise12_34:

(Start: 17 @27421 has 43 MA's), (19, 27412), (Start: 55 @27337 has 2 MA's), (Start: 64 @27322 has 8 MA's), (96, 27199), (103, 27175), (127, 27058), (128, 27055), (134, 27034), (142, 26995), (143, 26992), (145, 26986), (150, 26971), (155, 26950), (160, 26935), (173, 26878), (174, 26866), (184, 26827), (190, 26800), (193, 26788), (199, 26761), (206, 26722), (211, 26698), (215, 26683), (235, 26554), (244, 26500), (255, 26467),

Gene: Trogglehumper_82 Start: 64380, Stop: 63535, Start Num: 49

Candidate Starts for Trogglehumper_82:

(30, 64422), (Start: 49 @64380 has 1 MA's), (84, 64272), (106, 64185), (107, 64179), (112, 64155), (139, 64032), (145, 64014), (156, 63975), (184, 63855), (185, 63849), (193, 63813), (214, 63711), (220, 63666), (224, 63639), (226, 63633),

Gene: Typha_52 Start: 40512, Stop: 39421, Start Num: 88

Candidate Starts for Typha_52:

(2, 40800), (5, 40770), (27, 40683), (29, 40680), (38, 40662), (73, 40578), (75, 40572), (Start: 88 @40512 has 3 MA's), (99, 40479), (141, 40284), (152, 40248), (155, 40239), (156, 40236), (195, 40047), (207, 39978), (213, 39954), (217, 39936), (227, 39873), (233, 39840), (238, 39792), (245, 39756), (247, 39750), (249, 39747), (252, 39735), (254, 39726), (256, 39723), (267, 39651), (268, 39648), (270, 39642), (271, 39639), (276, 39462),

Gene: Venti_30 Start: 26875, Stop: 25919, Start Num: 22

Candidate Starts for Venti_30:

(Start: 22 @26875 has 35 MA's), (37, 26845), (Start: 52 @26812 has 13 MA's), (Start: 54 @26809 has 8 MA's), (Start: 86 @26737 has 1 MA's), (Start: 88 @26728 has 3 MA's), (90, 26722), (103, 26677), (127, 26560), (128, 26557), (129, 26554), (136, 26524), (138, 26512), (142, 26497), (148, 26479), (155, 26452), (163, 26425), (164, 26419), (175, 26365), (177, 26359), (193, 26290), (211, 26206), (221, 26146), (229, 26104), (235, 26062), (266, 25933),

Gene: Vidya_30 Start: 26845, Stop: 25919, Start Num: 52

Candidate Starts for Vidya_30:

(Start: 22 @26908 has 35 MA's), (37, 26878), (Start: 52 @26845 has 13 MA's), (Start: 54 @26842 has 8 MA's), (68, 26812), (69, 26809), (Start: 86 @26737 has 1 MA's), (Start: 88 @26728 has 3 MA's), (90, 26722), (103, 26677), (127, 26560), (128, 26557), (129, 26554), (136, 26524), (138, 26512), (142, 26497), (148, 26479), (155, 26452), (163, 26425), (164, 26419), (175, 26365), (177, 26359), (181, 26341), (193, 26290), (211, 26206), (221, 26146), (229, 26104), (266, 25933),

Gene: Vordorf_34 Start: 29605, Stop: 28745, Start Num: 51

Candidate Starts for Vordorf_34:

(3, 29749), (15, 29683), (Start: 51 @29605 has 4 MA's), (85, 29500), (93, 29470), (103, 29437), (127, 29320), (150, 29233), (154, 29215), (155, 29212), (177, 29119), (184, 29089), (186, 29074), (193, 29050), (199, 29023), (211, 28960), (226, 28873), (229, 28858), (241, 28771),

Gene: WST1_36 Start: 26784, Stop: 25912, Start Num: 55

Candidate Starts for WST1_36:

(13, 26874), (34, 26826), (44, 26805), (Start: 55 @26784 has 2 MA's), (83, 26697), (127, 26508), (128, 26505), (130, 26499), (143, 26442), (145, 26436), (150, 26421), (155, 26400), (164, 26367), (174,

26316), (177, 26307), (182, 26286), (190, 26250), (193, 26238), (199, 26211), (202, 26187), (211, 26148), (215, 26133), (221, 26088), (229, 26046), (257, 25926),

Gene: Walrus_40 Start: 32146, Stop: 31328, Start Num: 64

Candidate Starts for Walrus_40:

(39, 32194), (57, 32155), (Start: 60 @32152 has 1 MA's), (Start: 64 @32146 has 8 MA's), (85, 32065), (Start: 86 @32062 has 1 MA's), (121, 31918), (127, 31888), (152, 31792), (155, 31783), (174, 31699), (186, 31645), (193, 31621), (206, 31564), (209, 31546), (211, 31540), (215, 31525), (219, 31504), (228, 31441), (229, 31438), (230, 31423), (238, 31369), (246, 31336),

Gene: Whack_39 Start: 32450, Stop: 31497, Start Num: 28

Candidate Starts for Whack_39:

(Start: 28 @32450 has 1 MA's), (Start: 60 @32384 has 1 MA's), (69, 32363), (118, 32177), (124, 32141), (131, 32111), (136, 32087), (167, 31961), (171, 31946), (179, 31910), (180, 31907), (193, 31835), (206, 31775), (221, 31691), (224, 31670), (242, 31550), (259, 31502),

Gene: Willsammy_29 Start: 26615, Stop: 25659, Start Num: 22

Candidate Starts for Willsammy_29:

(Start: 22 @26615 has 35 MA's), (Start: 52 @26552 has 13 MA's), (Start: 54 @26549 has 8 MA's), (Start: 86 @26477 has 1 MA's), (Start: 88 @26468 has 3 MA's), (103, 26417), (127, 26300), (128, 26297), (129, 26294), (136, 26264), (138, 26252), (142, 26237), (148, 26219), (155, 26192), (163, 26165), (164, 26159), (175, 26105), (177, 26099), (181, 26081), (193, 26030), (211, 25946), (227, 25856), (229, 25844), (235, 25802), (266, 25673),

Gene: Xeno_33 Start: 27175, Stop: 26204, Start Num: 17

Candidate Starts for Xeno_33:

(Start: 17 @27175 has 43 MA's), (Start: 55 @27091 has 2 MA's), (Start: 64 @27076 has 8 MA's), (96, 26953), (103, 26929), (127, 26812), (128, 26809), (134, 26788), (142, 26749), (143, 26746), (145, 26740), (150, 26725), (155, 26704), (160, 26689), (173, 26632), (174, 26620), (184, 26581), (190, 26554), (193, 26542), (199, 26515), (206, 26476), (211, 26452), (215, 26437), (235, 26308), (244, 26254),

Gene: Xerxes_36 Start: 28735, Stop: 27764, Start Num: 17

Candidate Starts for Xerxes_36:

(Start: 17 @28735 has 43 MA's), (Start: 55 @28651 has 2 MA's), (Start: 64 @28636 has 8 MA's), (96, 28513), (103, 28489), (127, 28372), (128, 28369), (134, 28348), (142, 28309), (143, 28306), (145, 28300), (150, 28285), (155, 28264), (160, 28249), (173, 28192), (174, 28180), (184, 28141), (190, 28114), (193, 28102), (199, 28075), (206, 28036), (211, 28012), (215, 27997), (235, 27868), (236, 27853), (244, 27814),

Gene: Xula_28 Start: 26499, Stop: 25609, Start Num: 52

Candidate Starts for Xula_28:

(Start: 22 @26562 has 35 MA's), (Start: 52 @26499 has 13 MA's), (Start: 88 @26415 has 3 MA's), (93, 26397), (127, 26247), (128, 26244), (129, 26241), (136, 26211), (138, 26199), (142, 26184), (145, 26175), (148, 26166), (155, 26139), (163, 26112), (164, 26106), (175, 26052), (177, 26046), (190, 25989), (193, 25977), (211, 25893), (215, 25878), (227, 25803), (229, 25791), (235, 25749), (257, 25656), (263, 25641),

Gene: YungMoney_50 Start: 41701, Stop: 40871, Start Num: 64

Candidate Starts for YungMoney_50:

(48, 41731), (57, 41710), (Start: 60 @41707 has 1 MA's), (Start: 64 @41701 has 8 MA's), (111, 41524), (127, 41443), (152, 41347), (155, 41338), (174, 41254), (186, 41200), (193, 41176), (206, 41119), (209, 41101), (211, 41095), (215, 41080), (219, 41059), (226, 41008), (227, 41005), (228, 40996),

(229, 40993),

Gene: ZAYM_40 Start: 31559, Stop: 30693, Start Num: 51

Candidate Starts for ZAYM_40:

(Start: 51 @31559 has 4 MA's), (93, 31424), (103, 31391), (104, 31382), (113, 31346), (127, 31274), (150, 31187), (154, 31169), (155, 31166), (159, 31154), (161, 31148), (177, 31073), (186, 31028), (193, 31004), (199, 30977), (211, 30914), (229, 30812), (235, 30770), (241, 30725),

Gene: Zarbodnamra_39 Start: 31599, Stop: 30709, Start Num: 24

Candidate Starts for Zarbodnamra_39:

(Start: 24 @31599 has 8 MA's), (Start: 33 @31578 has 1 MA's), (40, 31563), (Start: 50 @31545 has 2 MA's), (Start: 54 @31536 has 8 MA's), (Start: 64 @31518 has 8 MA's), (81, 31452), (155, 31146), (177, 31053), (183, 31026), (193, 30984), (206, 30924), (211, 30900), (219, 30864), (230, 30783),

Gene: Zilizebeth_30 Start: 26907, Stop: 25918, Start Num: 22

Candidate Starts for Zilizebeth_30:

(Start: 22 @26907 has 35 MA's), (37, 26877), (Start: 52 @26844 has 13 MA's), (Start: 54 @26841 has 8 MA's), (68, 26811), (69, 26808), (Start: 86 @26736 has 1 MA's), (Start: 88 @26727 has 3 MA's), (90, 26721), (103, 26676), (127, 26559), (128, 26556), (129, 26553), (136, 26523), (138, 26511), (142, 26496), (148, 26478), (155, 26451), (163, 26424), (164, 26418), (175, 26364), (177, 26358), (181, 26340), (193, 26289), (211, 26205), (221, 26145), (229, 26103), (235, 26061), (266, 25932),

Gene: Zilla_39 Start: 31265, Stop: 30456, Start Num: 64

Candidate Starts for Zilla_39:

(Start: 24 @31346 has 8 MA's), (Start: 33 @31325 has 1 MA's), (40, 31310), (Start: 50 @31292 has 2 MA's), (Start: 54 @31283 has 8 MA's), (Start: 64 @31265 has 8 MA's), (81, 31199), (155, 30893), (177, 30800), (183, 30773), (193, 30731), (206, 30671), (211, 30647), (219, 30611), (230, 30530),