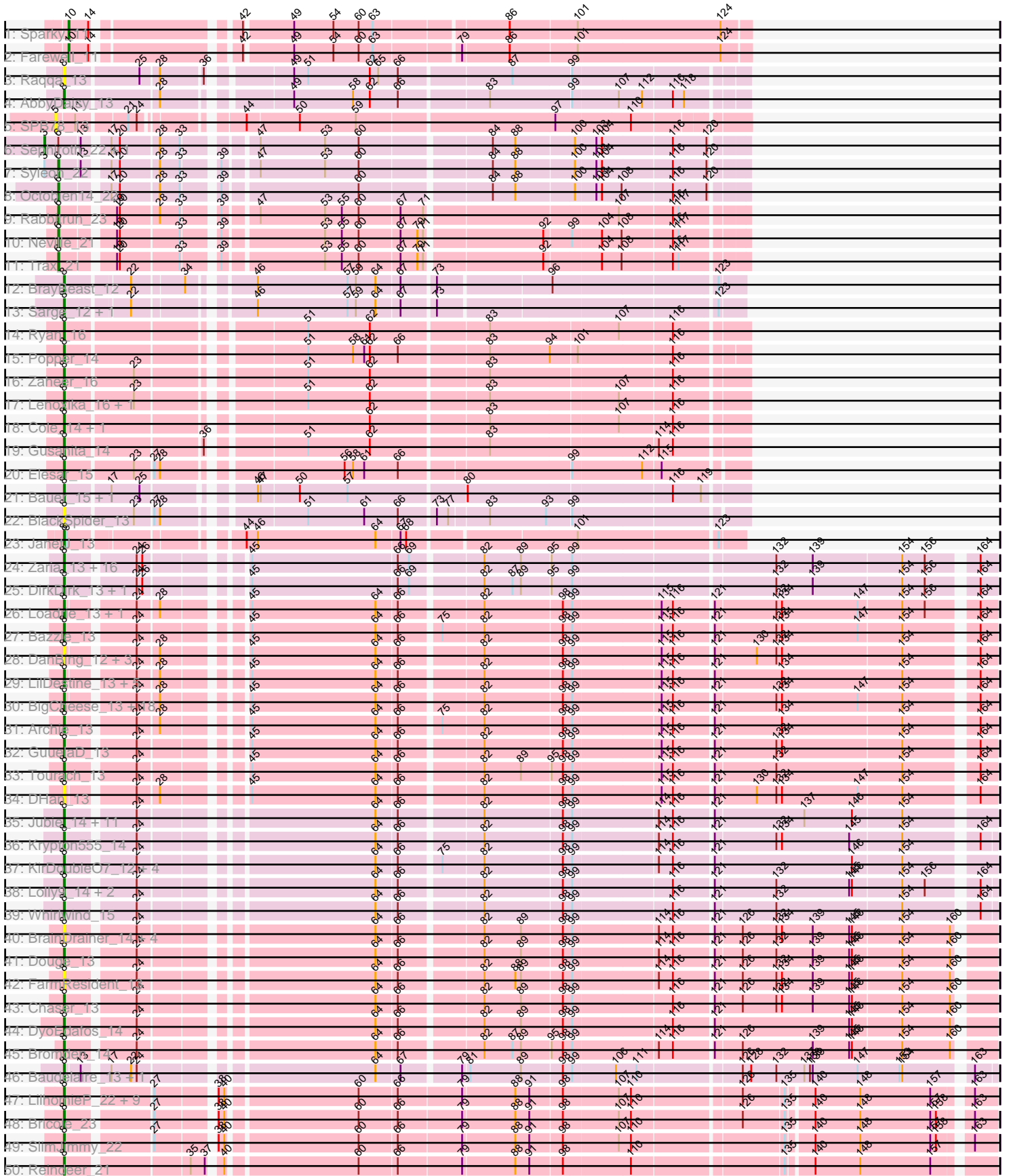
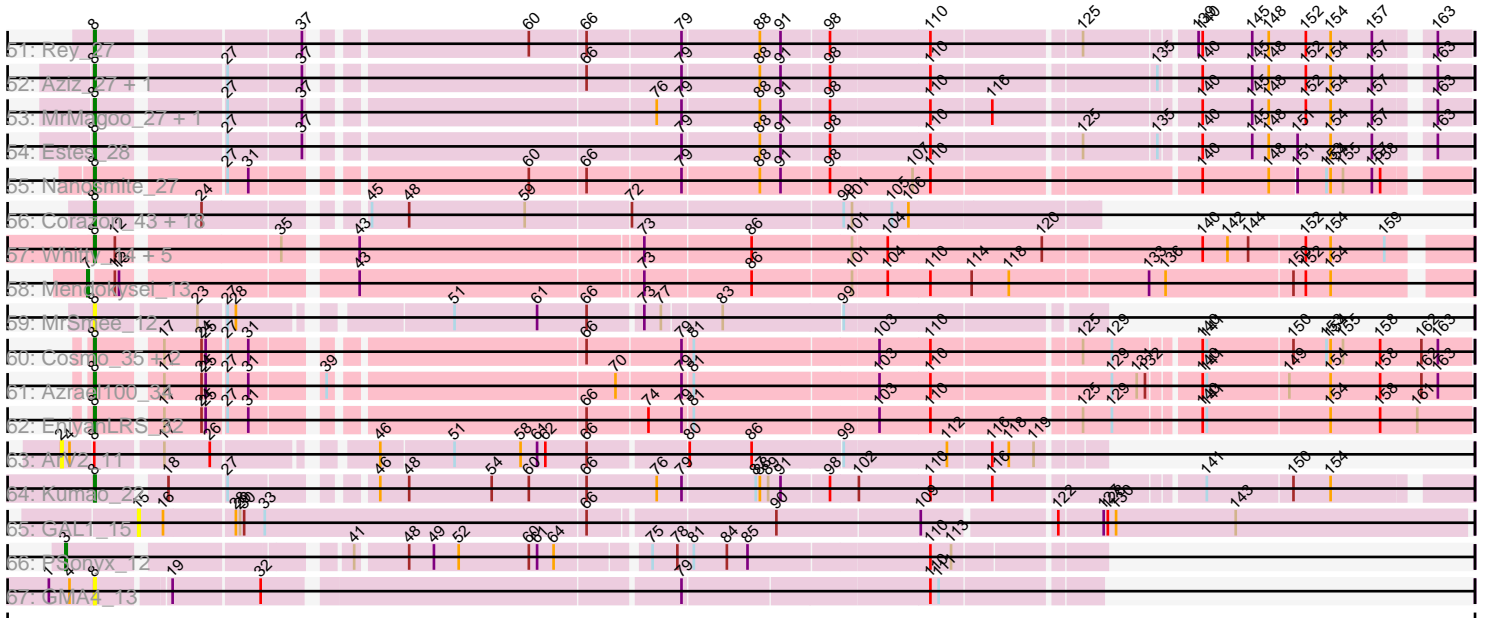


Pham 193773



Pham 193773



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 193773 Report

This analysis was run 11/02/24 on database version 579.

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

Pham number 193773 has 174 members, 32 are drafts.

Phages represented in each track:

- Track 1 : Sparky_11
- Track 2 : Farewell_11
- Track 3 : Raqqa_13
- Track 4 : AbbyDaisy_13
- Track 5 : SPB78_13
- Track 6 : Sephiroth_22, Kudefre_21
- Track 7 : Syleon_22
- Track 8 : Octobien14_22
- Track 9 : Rabbitrun_23
- Track 10 : Neville_21
- Track 11 : Trax_21
- Track 12 : BrayBeast_12
- Track 13 : Sarge_12, Shoya_11
- Track 14 : Ryan_16
- Track 15 : Popper_14
- Track 16 : Zaheer_16
- Track 17 : Lenoxika_16, Nandita_16
- Track 18 : Cole_14, QuinnAvery_15
- Track 19 : Gusanita_14
- Track 20 : Elesar_15
- Track 21 : Bauer_15, Zucker_14
- Track 22 : BlackSpider_13
- Track 23 : JanetJ_13
- Track 24 : Zaria_13, Wyatt2_13, Silverleaf_13, Halena_13, Appletree2_13, AvadaKedavra_13, Rose5_13, Acquire49_13, Tyson_13, LeBron_13, UPIE_13, CicholasNage_13, Enceladus_13, MAckerman_13, JoeDirt_13, Wamburgrxpress_13, Calm_13
- Track 25 : DirkDirk_13, OhShagHennessy_13
- Track 26 : Loadrie_13, Wigglewiddle_13
- Track 27 : Bazzle_13
- Track 28 : DanBing_12, Baoshan_12, Claus_13, ZhongYanYuan_12
- Track 29 : LilDestine_13, Kahlid_13, Nicholasp3_13, Finemlucis_13, Gardann_13, Wilder_13

- Track 30 : BigCheese_13, Miley16_13, DrSeegs_13, Lewan_13, MkaliMitinis3_13, Faith1_13, Sarshaun_13, Zakai_13, Hafay_13, Vatrix_13, Soap141_13, Crossroads_13, Gabriela_13, Itos_13, Winky_13, Breezona_13, BobsGarage_13, Rumpelstiltskin_13, Netyap_13
- Track 31 : Archie_13
- Track 32 : GuuelaD_13
- Track 33 : Tourach_13
- Track 34 : DHan_13
- Track 35 : Jubie_14, Kingsolomon_14, Clautastrophe_14, Snenia_14, Nicholas_14, Moostard_14, Finnry_14, MsGreen_14, Jobypre_14, Bellis_14, Samty_14, Lumos_14
- Track 36 : Krypton555_14
- Track 37 : KirDoubleO7_12, BourbonZero_13, DuncansLeg_14, Ellson_14, LiyuLake_14
- Track 38 : Lolly9_14, MiniMac_14, MiniLon_14
- Track 39 : Whirlwind_15
- Track 40 : BrainDrainer_14, Sheng711_13, Quby_13, Douzhi_13, PYPDinur_13
- Track 41 : Douge_13
- Track 42 : FarmResident_13
- Track 43 : Chaser_13
- Track 44 : DyoEdafos_14
- Track 45 : Bromden_14
- Track 46 : Baudelaire_13, Aegeus_13
- Track 47 : LilhomieP_22, TyDawg_23, Auspice_23, IPhane7_23, Glaske16_24, Diminimus_24, Skinny_24, Bongo_23, PegLeg_23, Dulcita_24
- Track 48 : Bricole_23
- Track 49 : SlimJimmy_22
- Track 50 : Reindeer_21
- Track 51 : Rey_27
- Track 52 : Aziz_27, GenevaB15_27
- Track 53 : MrMagoo_27, GardenSalsa_27
- Track 54 : Estes_28
- Track 55 : Nanosmite_27
- Track 56 : Corazon_43, Blackbeetle_45, Clarkson_46, Pringar_45, VasuNzinga_45, FeliMaine_45, JoieB_46, Poise_45, Beelzebub_49, Marvin_43, Lilbit_46, Gattaca_44, MosMoris_43, Caprice_42, Raela_45, Tesla_44, RedRaider77_45, LittleLaf_45, Huphlepuuff_47
- Track 57 : Whitty_14, RonRayGun_14, Bernal13_14, ZenTime222_14, Nairb_14, Ibrahim_14
- Track 58 : Mendokysei_13
- Track 59 : MrSmee_12
- Track 60 : Cosmo_35, MaryV_35, Wildcat_35
- Track 61 : Azrael100_34
- Track 62 : EniyanLRS_32
- Track 63 : ArV2_11
- Track 64 : Kumao_22
- Track 65 : GAL1_15
- Track 66 : PSonyx_12
- Track 67 : GMA4_13

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

The start number called the most often in the published annotations is 8, it was called in 131 of the 142 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyDaisy_13, Acquire49_13, Aegeus_13, Appletree2_13, Archie_13, Auspice_23, AvadaKedavra_13, Aziz_27, Azrael100_34, Baoshan_12, Baudelaire_13, Bauer_15, Bazzle_13, Beelzebub_49, Bellis_14, Bernal13_14, BigCheese_13, BlackSpider_13, Blackbeetle_45, BobsGarage_13, Bongo_23, BourbonZero_13, BrainDrainer_14, BrayBeast_12, Breezona_13, Bricole_23, Bromden_14, Calm_13, Caprice_42, Chaser_13, CicholasNage_13, Clarkson_46, Claus_13, Clautastrophe_14, Cole_14, Corazon_43, Cosmo_35, Crossroads_13, DHan_13, DanBing_12, Diminimus_24, DirkDirk_13, Douge_13, Douzhi_13, DrSeegs_13, Dulcita_24, DuncansLeg_14, DyoEdafos_14, Elesar_15, Ellson_14, Enceladus_13, EniyanLRS_32, Estes_28, Faith1_13, FarmResident_13, FeliMaine_45, Finemlucis_13, Finnry_14, GMA4_13, Gabriela_13, Gardann_13, GardenSalsa_27, Gattaca_44, GenevaB15_27, Glaske16_24, Gusanita_14, GuuelaD_13, Hafay_13, Halena_13, Huphlepuuff_47, IPhane7_23, Ibrahim_14, Itos_13, JanetJ_13, Jobypre_14, JoeDirt_13, JoieB_46, Jubie_14, Kahlid_13, Kingsolomon_14, KirDoubleO7_12, Krypton555_14, Kumao_22, LeBron_13, Lenoxika_16, Lewan_13, LilDestine_13, Lilbit_46, LilhomieP_22, LittleLaf_45, LiyuLake_14, Loadrie_13, Lolly9_14, Lumos_14, MAckerman_13, Marvin_43, MaryV_35, Miley16_13, MiniLon_14, MiniMac_14, MkaliMitinis3_13, Moostard_14, MosMoris_43, MrMagoo_27, MrSmeem_12, MsGreen_14, Nairb_14, Nandita_16, Nanosmite_27, Netyap_13, Nicholas_14, Nicholasp3_13, OhShagHennessy_13, PYPDinur_13, PegLeg_23, Poise_45, Popper_14, Pringar_45, Quby_13, QuinnAvery_15, Raela_45, Raqqa_13, RedRaider77_45, Reindeer_21, Rey_27, RonRayGun_14, Rose5_13, Rumpelstiltskin_13, Ryan_16, Samty_14, Sarge_12, Sarshaun_13, Sheng711_13, Shoya_11, Silverleaf_13, Skinny_24, SlimJimmy_22, Snenia_14, Soap141_13, Tesla_44, Tourach_13, TyDawg_23, Tyson_13, UPIE_13, VasuNzinga_45, Vetrrix_13, Wamburggrxpress_13, Whirlwind_15, Whitty_14, Wigglewiggle_13, Wildcat_35, Wilder_13, Winky_13, Wyatt2_13, Zaheer_16, Zakai_13, Zaria_13, ZenTime222_14, ZhongYanYuan_12, Zucker_14,

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

- ArV2_11,

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

- Farewell_11, GAL1_15, Kudrefre_21, Mendokysei_13, Neville_21, Octobien14_22, PSonyx_12, Rabbitrun_23, SPB78_13, Sephiroth_22, Sparky_11, Syleon_22, Trax_21,

Summary by start number:

Start 2:

- Found in 1 of 174 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArV2_11 (singleton),

Start 3:

- Found in 4 of 174 (2.3%) of genes in pham
- Manual Annotations of this start: 3 of 142

- Called 75.0% of time when present
- Phage (with cluster) where this start called: Kudrefre_21 (DU1), PSonyx_12 (singleton), Sephiroth_22 (DU1),

Start 5:

- Found in 1 of 174 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SPB78_13 (BA),

Start 6:

- Found in 7 of 174 (4.0%) of genes in pham
- Manual Annotations of this start: 5 of 142
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Neville_21 (DU2), Octobien14_22 (DU1), Rabbitrun_23 (DU2), Syleon_22 (DU1), Trax_21 (DU2),

Start 7:

- Found in 1 of 174 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 142
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mendokysei_13 (T),

Start 8:

- Found in 161 of 174 (92.5%) of genes in pham
- Manual Annotations of this start: 131 of 142
- Called 99.4% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_13 (AY), Acquire49_13 (L1), Aegeus_13 (L5), Appletree2_13 (L1), Archie_13 (L2), Auspice_23 (M1), AvadaKedavra_13 (L1), Aziz_27 (M2), Azrael100_34 (V), Baoshan_12 (L2), Baudelaire_13 (L5), Bauer_15 (FN), Bazzle_13 (L2), Beelzebub_49 (S), Bellis_14 (L3), Bernal13_14 (T), BigCheese_13 (L2), BlackSpider_13 (FN), Blackbeetle_45 (S), BobsGarage_13 (L2), Bongo_23 (M1), BourbonZero_13 (L3), BrainDrainer_14 (L4), BrayBeast_12 (FB), Breezona_13 (L2), Bricole_23 (M1), Bromden_14 (L4), Calm_13 (L1), Caprice_42 (S), Chaser_13 (L4), CicholasNage_13 (L1), Clarkson_46 (S), Claus_13 (L2), Clautastrophe_14 (L3), Cole_14 (FF), Corazon_43 (S), Cosmo_35 (V), Crossroads_13 (L2), DHan_13 (L2), DanBing_12 (L2), Diminimus_24 (M1), DirkDirk_13 (L1), Douge_13 (L4), Douzhi_13 (L4), DrSeegs_13 (L2), Dulcita_24 (M1), DuncansLeg_14 (L3), DyoEdafos_14 (L4), Elesar_15 (FF), Ellson_14 (L3), Enceladus_13 (L1), EniyanLRS_32 (V), Estes_28 (M2), Faith1_13 (L2), FarmResident_13 (L4), FeliMaine_45 (S), Finemlucis_13 (L2), Finnry_14 (L3), GMA4_13 (singleton), Gabriela_13 (L2), Gardann_13 (L2), GardenSalsa_27 (M2), Gattaca_44 (S), GenevaB15_27 (M2), Glaske16_24 (M1), Gusanita_14 (FF), GuuelaD_13 (L2), Hafay_13 (L2), Halena_13 (L1), Huphlepuuff_47 (S), IPhane7_23 (M1), Ibrahim_14 (T), Itos_13 (L2), JanetJ_13 (FO), Jobypre_14 (L3), JoeDirt_13 (L1), JoieB_46 (S), Jubie_14 (L3), Kahlid_13 (L2), Kingsolomon_14 (L3), KirDoubleO7_12 (L3), Krypton555_14 (L3), Kumao_22 (singleton), LeBron_13 (L1), Lenoxika_16 (FF), Lewan_13 (L2), LilDestine_13 (L2), Lilbit_46 (S), LilhomieP_22 (M1), LittleLaf_45 (S), LiyuLake_14 (L3), Loadrie_13 (L2), Lolly9_14 (L3), Lumos_14 (L3), MAckerman_13 (L1), Marvin_43 (S), MaryV_35 (V), Miley16_13 (L2), MiniLon_14 (L3), MiniMac_14 (L3), MkaliMitinis3_13 (L2), Moostard_14 (L3), MosMoris_43 (S), MrMagoo_27 (M2), MrSmee_12 (UNK), MsGreen_14 (L3), Nairb_14 (T), Nandita_16 (FF), Nanosmite_27 (M3), Netyap_13 (L2), Nicholas_14

(L3), Nicholasp3_13 (L2), OhShagHennessy_13 (L1), PYPDinur_13 (L4), PegLeg_23 (M1), Poise_45 (S), Popper_14 (FF), Pringar_45 (S), Quby_13 (L4), QuinnAvery_15 (FF), Raela_45 (S), Raqqa_13 (AY), RedRaider77_45 (S), Reindeer_21 (M1), Rey_27 (M2), RonRayGun_14 (T), Rose5_13 (L1), Rumpelstiltskin_13 (L2), Ryan_16 (FF), Samty_14 (L3), Sarge_12 (FB), Sarshaun_13 (L2), Sheng711_13 (L4), Shoya_11 (FB), Silverleaf_13 (L1), Skinny_24 (M1), SlimJimmy_22 (M1), Snenia_14 (L3), Soap141_13 (L2), Tesla_44 (S), Tourach_13 (L2), TyDawg_23 (M1), Tyson_13 (L1), UPIE_13 (L1), VasuNzinga_45 (S), Vetric_13 (L2), Wamburgexpress_13 (L1), Whirlwind_15 (L3), Whitty_14 (T), Wigglewiggle_13 (L2), Wildcat_35 (V), Wilder_13 (L2), Winky_13 (L2), Wyatt2_13 (L1), Zaheer_16 (FF), Zakai_13 (L2), Zaria_13 (L1), ZenTime222_14 (T), ZhongYanYuan_12 (L2), Zucker_14 (FN),

Start 10:

- Found in 2 of 174 (1.1%) of genes in pham
- Manual Annotations of this start: 2 of 142
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_11 (AF), Sparky_11 (AF),

Start 15:

- Found in 1 of 174 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GAL1_15 (singleton),

Summary by clusters:

There are 22 clusters represented in this pham: singleton, BA, V, FB, M1, M3, M2, FN, FO, DU1, DU2, AF, L4, L5, L2, L3, L1, AY, UNK, FF, S, T,

Info for manual annotations of cluster AF:

- Start number 10 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AY:

- Start number 8 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster DU1:

- Start number 3 was manually annotated 2 times for cluster DU1.
- Start number 6 was manually annotated 2 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 6 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster FB:

- Start number 8 was manually annotated 3 times for cluster FB.

Info for manual annotations of cluster FF:

- Start number 8 was manually annotated 7 times for cluster FF.

Info for manual annotations of cluster FN:

- Start number 8 was manually annotated 2 times for cluster FN.

Info for manual annotations of cluster FO:

- Start number 8 was manually annotated 1 time for cluster FO.

Info for manual annotations of cluster L1:

- Start number 8 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 8 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 8 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 8 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 8 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 8 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 8 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 8 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster S:

- Start number 8 was manually annotated 16 times for cluster S.

Info for manual annotations of cluster T:

- Start number 7 was manually annotated 1 time for cluster T.
- Start number 8 was manually annotated 6 times for cluster T.

Info for manual annotations of cluster V:

- Start number 8 was manually annotated 5 times for cluster V.

Gene Information:

Gene: AbbyDaisy_13 Start: 7857, Stop: 8522, Start Num: 8

Candidate Starts for AbbyDaisy_13:

(Start: 8 @7857 has 131 MA's), (28, 7950), (49, 8064), (58, 8127), (62, 8145), (66, 8175), (83, 8265), (99, 8349), (107, 8397), (112, 8421), (116, 8451), (118, 8463),

Gene: Acquire49_13 Start: 8989, Stop: 9891, Start Num: 8

Candidate Starts for Acquire49_13:

(Start: 8 @8989 has 131 MA's), (24, 9055), (26, 9061), (45, 9145), (66, 9298), (69, 9310), (82, 9379), (89, 9418), (95, 9448), (99, 9469), (132, 9673), (139, 9712), (154, 9805), (156, 9829), (164, 9874),

Gene: Aegeus_13 Start: 8615, Stop: 9511, Start Num: 8

Candidate Starts for Aegeus_13:

(Start: 8 @8615 has 131 MA's), (13, 8630), (17, 8651), (22, 8672), (24, 8678), (64, 8900), (67, 8924), (79, 8981), (81, 8987), (89, 9041), (98, 9083), (99, 9092), (106, 9137), (111, 9158), (126, 9260), (128, 9269), (132, 9296), (137, 9326), (138, 9332), (139, 9335), (147, 9383), (153, 9425), (154, 9428), (163, 9491),

Gene: Appletree2_13 Start: 8963, Stop: 9865, Start Num: 8

Candidate Starts for Appletree2_13:

(Start: 8 @8963 has 131 MA's), (24, 9029), (26, 9035), (45, 9119), (66, 9272), (69, 9284), (82, 9353), (89, 9392), (95, 9422), (99, 9443), (132, 9647), (139, 9686), (154, 9779), (156, 9803), (164, 9848),

Gene: ArV2_11 Start: 7388, Stop: 8074, Start Num: 2

Candidate Starts for ArV2_11:

(2, 7388), (4, 7394), (Start: 8 @7409 has 131 MA's), (17, 7454), (26, 7487), (46, 7580), (51, 7631), (58, 7679), (61, 7691), (62, 7697), (66, 7727), (80, 7793), (86, 7838), (99, 7901), (112, 7973), (116, 8003), (118, 8015), (119, 8033),

Gene: Archie_13 Start: 8948, Stop: 9850, Start Num: 8

Candidate Starts for Archie_13:

(Start: 8 @8948 has 131 MA's), (24, 9014), (28, 9035), (45, 9104), (64, 9236), (66, 9257), (75, 9296), (82, 9338), (98, 9419), (99, 9428), (115, 9518), (116, 9530), (121, 9569), (134, 9638), (154, 9764), (164, 9833),

Gene: Auspice_23 Start: 12816, Stop: 13715, Start Num: 8

Candidate Starts for Auspice_23:

(Start: 8 @12816 has 131 MA's), (27, 12897), (38, 12951), (40, 12957), (60, 13086), (66, 13125), (79, 13191), (88, 13245), (91, 13260), (98, 13293), (107, 13350), (110, 13362), (126, 13470), (135, 13512), (140, 13536), (148, 13584), (157, 13659), (163, 13692),

Gene: AvadaKedavra_13 Start: 8989, Stop: 9891, Start Num: 8

Candidate Starts for AvadaKedavra_13:

(Start: 8 @8989 has 131 MA's), (24, 9055), (26, 9061), (45, 9145), (66, 9298), (69, 9310), (82, 9379), (89, 9418), (95, 9448), (99, 9469), (132, 9673), (139, 9712), (154, 9805), (156, 9829), (164, 9874),

Gene: Aziz_27 Start: 13394, Stop: 14293, Start Num: 8

Candidate Starts for Aziz_27:

(Start: 8 @13394 has 131 MA's), (27, 13475), (37, 13526), (66, 13703), (79, 13769), (88, 13823), (91, 13838), (98, 13871), (110, 13940), (135, 14090), (140, 14114), (145, 14150), (148, 14162), (152, 14189), (154, 14207), (157, 14237), (163, 14270),

Gene: Azrael100_34 Start: 15887, Stop: 16798, Start Num: 8

Candidate Starts for Azrael100_34:

(Start: 8 @15887 has 131 MA's), (17, 15926), (24, 15953), (25, 15956), (27, 15968), (31, 15983), (39, 16025), (70, 16217), (79, 16262), (81, 16268), (103, 16397), (110, 16433), (129, 16553), (131, 16571), (132, 16577), (140, 16607), (141, 16610), (149, 16667), (154, 16697), (158, 16733), (162, 16763), (163, 16775),

Gene: Baoshan_12 Start: 8830, Stop: 9729, Start Num: 8

Candidate Starts for Baoshan_12:

(Start: 8 @8830 has 131 MA's), (24, 8893), (28, 8914), (45, 8983), (64, 9115), (66, 9136), (82, 9217), (98, 9298), (99, 9307), (115, 9397), (116, 9409), (121, 9448), (130, 9490), (132, 9511), (134, 9517), (154, 9643), (164, 9712),

Gene: Baudelaire_13 Start: 8615, Stop: 9511, Start Num: 8

Candidate Starts for Baudelaire_13:

(Start: 8 @8615 has 131 MA's), (13, 8630), (17, 8651), (22, 8672), (24, 8678), (64, 8900), (67, 8924), (79, 8981), (81, 8987), (89, 9041), (98, 9083), (99, 9092), (106, 9137), (111, 9158), (126, 9260), (128, 9269), (132, 9296), (137, 9326), (138, 9332), (139, 9335), (147, 9383), (153, 9425), (154, 9428), (163, 9491),

Gene: Bauer_15 Start: 9233, Stop: 9898, Start Num: 8

Candidate Starts for Bauer_15:

(Start: 8 @9233 has 131 MA's), (17, 9278), (25, 9308), (46, 9401), (47, 9404), (50, 9443), (57, 9494), (80, 9614), (116, 9824), (119, 9854),

Gene: Bazzle_13 Start: 8951, Stop: 9853, Start Num: 8

Candidate Starts for Bazzle_13:

(Start: 8 @8951 has 131 MA's), (24, 9017), (45, 9107), (64, 9239), (66, 9260), (75, 9299), (82, 9341), (98, 9422), (99, 9431), (115, 9521), (116, 9533), (121, 9572), (132, 9635), (134, 9641), (147, 9722), (154, 9767), (164, 9836),

Gene: Beelzebub_49 Start: 19342, Stop: 20007, Start Num: 8

Candidate Starts for Beelzebub_49:

(Start: 8 @19342 has 131 MA's), (24, 19408), (45, 19501), (48, 19528), (59, 19612), (72, 19684), (99, 19831), (101, 19837), (105, 19864), (106, 19876),

Gene: Bellis_14 Start: 9118, Stop: 10020, Start Num: 8

Candidate Starts for Bellis_14:

(Start: 8 @9118 has 131 MA's), (24, 9184), (64, 9406), (66, 9427), (82, 9508), (98, 9589), (99, 9598), (114, 9685), (116, 9700), (121, 9739), (137, 9832), (146, 9883), (154, 9934),

Gene: Bernal13_14 Start: 9882, Stop: 10814, Start Num: 8

Candidate Starts for Bernal13_14:

(Start: 8 @9882 has 131 MA's), (12, 9897), (35, 10002), (43, 10047), (73, 10245), (86, 10320), (101, 10389), (104, 10413), (120, 10524), (140, 10635), (142, 10653), (144, 10668), (152, 10707), (154, 10725), (159, 10764),

Gene: BigCheese_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for BigCheese_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: BlackSpider_13 Start: 8260, Stop: 8922, Start Num: 8

Candidate Starts for BlackSpider_13:

(Start: 8 @8260 has 131 MA's), (23, 8329), (27, 8347), (28, 8353), (51, 8482), (61, 8542), (66, 8578), (73, 8614), (77, 8626), (83, 8665), (93, 8725), (99, 8749),

Gene: Blackbeetle_45 Start: 18361, Stop: 19026, Start Num: 8

Candidate Starts for Blackbeetle_45:

(Start: 8 @18361 has 131 MA's), (24, 18427), (45, 18520), (48, 18547), (59, 18631), (72, 18703), (99, 18850), (101, 18856), (105, 18883), (106, 18895),

Gene: BobsGarage_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for BobsGarage_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770),

(154, 9815), (164, 9884),

Gene: Bongo_23 Start: 12816, Stop: 13715, Start Num: 8

Candidate Starts for Bongo_23:

(Start: 8 @12816 has 131 MA's), (27, 12897), (38, 12951), (40, 12957), (60, 13086), (66, 13125), (79, 13191), (88, 13245), (91, 13260), (98, 13293), (107, 13350), (110, 13362), (126, 13470), (135, 13512), (140, 13536), (148, 13584), (157, 13659), (163, 13692),

Gene: BourbonZero_13 Start: 9125, Stop: 10027, Start Num: 8

Candidate Starts for BourbonZero_13:

(Start: 8 @9125 has 131 MA's), (24, 9191), (64, 9413), (66, 9434), (75, 9473), (82, 9515), (98, 9596), (99, 9605), (114, 9692), (116, 9707), (121, 9746), (146, 9890), (154, 9941),

Gene: BrainDrainer_14 Start: 8811, Stop: 9713, Start Num: 8

Candidate Starts for BrainDrainer_14:

(Start: 8 @8811 has 131 MA's), (24, 8877), (64, 9099), (66, 9120), (82, 9201), (89, 9240), (98, 9282), (99, 9291), (114, 9378), (116, 9393), (121, 9432), (126, 9459), (132, 9495), (134, 9501), (139, 9534), (145, 9573), (146, 9576), (154, 9627), (160, 9678),

Gene: BrayBeast_12 Start: 8007, Stop: 8660, Start Num: 8

Candidate Starts for BrayBeast_12:

(Start: 8 @8007 has 131 MA's), (22, 8067), (34, 8118), (46, 8172), (57, 8268), (59, 8277), (64, 8298), (67, 8322), (73, 8355), (96, 8469), (123, 8634),

Gene: Breezona_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Breezona_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: Bricole_23 Start: 12815, Stop: 13714, Start Num: 8

Candidate Starts for Bricole_23:

(Start: 8 @12815 has 131 MA's), (27, 12896), (38, 12950), (40, 12956), (60, 13085), (66, 13124), (79, 13190), (88, 13244), (91, 13259), (98, 13292), (107, 13349), (110, 13361), (126, 13469), (135, 13511), (140, 13535), (148, 13583), (157, 13658), (158, 13664), (163, 13691),

Gene: Bromden_14 Start: 9135, Stop: 10037, Start Num: 8

Candidate Starts for Bromden_14:

(Start: 8 @9135 has 131 MA's), (24, 9201), (64, 9423), (66, 9444), (82, 9525), (87, 9555), (89, 9564), (95, 9594), (98, 9606), (99, 9615), (114, 9702), (116, 9717), (121, 9756), (126, 9783), (139, 9858), (145, 9897), (146, 9900), (154, 9951), (160, 10002),

Gene: Calm_13 Start: 8990, Stop: 9892, Start Num: 8

Candidate Starts for Calm_13:

(Start: 8 @8990 has 131 MA's), (24, 9056), (26, 9062), (45, 9146), (66, 9299), (69, 9311), (82, 9380), (89, 9419), (95, 9449), (99, 9470), (132, 9674), (139, 9713), (154, 9806), (156, 9830), (164, 9875),

Gene: Caprice_42 Start: 18431, Stop: 19096, Start Num: 8

Candidate Starts for Caprice_42:

(Start: 8 @18431 has 131 MA's), (24, 18497), (45, 18590), (48, 18617), (59, 18701), (72, 18773), (99, 18920), (101, 18926), (105, 18953), (106, 18965),

Gene: Chaser_13 Start: 8726, Stop: 9628, Start Num: 8

Candidate Starts for Chaser_13:

(Start: 8 @8726 has 131 MA's), (24, 8792), (64, 9014), (66, 9035), (82, 9116), (89, 9155), (98, 9197), (99, 9206), (116, 9308), (121, 9347), (126, 9374), (132, 9410), (134, 9416), (139, 9449), (145, 9488), (146, 9491), (154, 9542), (160, 9593),

Gene: CicholasNage_13 Start: 8990, Stop: 9892, Start Num: 8

Candidate Starts for CicholasNage_13:

(Start: 8 @8990 has 131 MA's), (24, 9056), (26, 9062), (45, 9146), (66, 9299), (69, 9311), (82, 9380), (89, 9419), (95, 9449), (99, 9470), (132, 9674), (139, 9713), (154, 9806), (156, 9830), (164, 9875),

Gene: Clarkson_46 Start: 19043, Stop: 19708, Start Num: 8

Candidate Starts for Clarkson_46:

(Start: 8 @19043 has 131 MA's), (24, 19109), (45, 19202), (48, 19229), (59, 19313), (72, 19385), (99, 19532), (101, 19538), (105, 19565), (106, 19577),

Gene: Claus_13 Start: 9010, Stop: 9909, Start Num: 8

Candidate Starts for Claus_13:

(Start: 8 @9010 has 131 MA's), (24, 9073), (28, 9094), (45, 9163), (64, 9295), (66, 9316), (82, 9397), (98, 9478), (99, 9487), (115, 9577), (116, 9589), (121, 9628), (130, 9670), (132, 9691), (134, 9697), (154, 9823), (164, 9892),

Gene: Clautastrophe_14 Start: 9123, Stop: 10025, Start Num: 8

Candidate Starts for Clautastrophe_14:

(Start: 8 @9123 has 131 MA's), (24, 9189), (64, 9411), (66, 9432), (82, 9513), (98, 9594), (99, 9603), (114, 9690), (116, 9705), (121, 9744), (137, 9837), (146, 9888), (154, 9939),

Gene: Cole_14 Start: 8911, Stop: 9579, Start Num: 8

Candidate Starts for Cole_14:

(Start: 8 @8911 has 131 MA's), (62, 9199), (83, 9319), (107, 9451), (116, 9505),

Gene: Corazon_43 Start: 18996, Stop: 19661, Start Num: 8

Candidate Starts for Corazon_43:

(Start: 8 @18996 has 131 MA's), (24, 19062), (45, 19155), (48, 19182), (59, 19266), (72, 19338), (99, 19485), (101, 19491), (105, 19518), (106, 19530),

Gene: Cosmo_35 Start: 15894, Stop: 16805, Start Num: 8

Candidate Starts for Cosmo_35:

(Start: 8 @15894 has 131 MA's), (17, 15933), (24, 15960), (25, 15963), (27, 15975), (31, 15990), (66, 16203), (79, 16269), (81, 16275), (103, 16404), (110, 16440), (125, 16539), (129, 16560), (140, 16614), (141, 16617), (150, 16677), (153, 16701), (154, 16704), (155, 16713), (158, 16740), (162, 16770), (163, 16782),

Gene: Crossroads_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Crossroads_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: DHan_13 Start: 8946, Stop: 9845, Start Num: 8

Candidate Starts for DHan_13:

(Start: 8 @8946 has 131 MA's), (24, 9009), (28, 9030), (45, 9099), (64, 9231), (66, 9252), (82, 9333), (98, 9414), (99, 9423), (115, 9513), (116, 9525), (121, 9564), (130, 9606), (132, 9627), (134, 9633), (147, 9714), (154, 9759), (164, 9828),

Gene: DanBing_12 Start: 8829, Stop: 9728, Start Num: 8

Candidate Starts for DanBing_12:

(Start: 8 @8829 has 131 MA's), (24, 8892), (28, 8913), (45, 8982), (64, 9114), (66, 9135), (82, 9216), (98, 9297), (99, 9306), (115, 9396), (116, 9408), (121, 9447), (130, 9489), (132, 9510), (134, 9516), (154, 9642), (164, 9711),

Gene: Diminimus_24 Start: 12815, Stop: 13714, Start Num: 8

Candidate Starts for Diminimus_24:

(Start: 8 @12815 has 131 MA's), (27, 12896), (38, 12950), (40, 12956), (60, 13085), (66, 13124), (79, 13190), (88, 13244), (91, 13259), (98, 13292), (107, 13349), (110, 13361), (126, 13469), (135, 13511), (140, 13535), (148, 13583), (157, 13658), (163, 13691),

Gene: DirkDirk_13 Start: 8991, Stop: 9893, Start Num: 8

Candidate Starts for DirkDirk_13:

(Start: 8 @8991 has 131 MA's), (24, 9057), (26, 9063), (45, 9147), (66, 9300), (69, 9312), (82, 9381), (87, 9411), (89, 9420), (95, 9450), (99, 9471), (132, 9675), (139, 9714), (154, 9807), (156, 9831), (164, 9876),

Gene: Douge_13 Start: 8672, Stop: 9574, Start Num: 8

Candidate Starts for Douge_13:

(Start: 8 @8672 has 131 MA's), (24, 8738), (64, 8960), (66, 8981), (82, 9062), (89, 9101), (98, 9143), (99, 9152), (114, 9239), (116, 9254), (121, 9293), (126, 9320), (132, 9356), (139, 9395), (145, 9434), (146, 9437), (154, 9488), (160, 9539),

Gene: Douzhi_13 Start: 8672, Stop: 9574, Start Num: 8

Candidate Starts for Douzhi_13:

(Start: 8 @8672 has 131 MA's), (24, 8738), (64, 8960), (66, 8981), (82, 9062), (89, 9101), (98, 9143), (99, 9152), (114, 9239), (116, 9254), (121, 9293), (126, 9320), (132, 9356), (134, 9362), (139, 9395), (145, 9434), (146, 9437), (154, 9488), (160, 9539),

Gene: DrSeegs_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for DrSeegs_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: Dulcita_24 Start: 12815, Stop: 13714, Start Num: 8

Candidate Starts for Dulcita_24:

(Start: 8 @12815 has 131 MA's), (27, 12896), (38, 12950), (40, 12956), (60, 13085), (66, 13124), (79, 13190), (88, 13244), (91, 13259), (98, 13292), (107, 13349), (110, 13361), (126, 13469), (135, 13511), (140, 13535), (148, 13583), (157, 13658), (163, 13691),

Gene: DuncansLeg_14 Start: 9127, Stop: 10029, Start Num: 8

Candidate Starts for DuncansLeg_14:

(Start: 8 @9127 has 131 MA's), (24, 9193), (64, 9415), (66, 9436), (75, 9475), (82, 9517), (98, 9598), (99, 9607), (114, 9694), (116, 9709), (121, 9748), (146, 9892), (154, 9943),

Gene: DyoEdafos_14 Start: 8883, Stop: 9785, Start Num: 8

Candidate Starts for DyoEdafos_14:

(Start: 8 @8883 has 131 MA's), (24, 8949), (64, 9171), (66, 9192), (82, 9273), (89, 9312), (98, 9354), (99, 9363), (116, 9465), (121, 9504), (145, 9645), (146, 9648), (154, 9699), (160, 9750),

Gene: Elesar_15 Start: 9307, Stop: 9969, Start Num: 8

Candidate Starts for Elesar_15:

(Start: 8 @9307 has 131 MA's), (23, 9376), (27, 9394), (28, 9400), (56, 9568), (58, 9577), (61, 9589), (66, 9625), (99, 9796), (112, 9868), (115, 9886),

Gene: Ellson_14 Start: 9135, Stop: 10037, Start Num: 8

Candidate Starts for Ellson_14:

(Start: 8 @9135 has 131 MA's), (24, 9201), (64, 9423), (66, 9444), (75, 9483), (82, 9525), (98, 9606), (99, 9615), (114, 9702), (116, 9717), (121, 9756), (146, 9900), (154, 9951),

Gene: Enceladus_13 Start: 8991, Stop: 9893, Start Num: 8

Candidate Starts for Enceladus_13:

(Start: 8 @8991 has 131 MA's), (24, 9057), (26, 9063), (45, 9147), (66, 9300), (69, 9312), (82, 9381), (89, 9420), (95, 9450), (99, 9471), (132, 9675), (139, 9714), (154, 9807), (156, 9831), (164, 9876),

Gene: EniyanLRS_32 Start: 15588, Stop: 16499, Start Num: 8

Candidate Starts for EniyanLRS_32:

(Start: 8 @15588 has 131 MA's), (17, 15627), (24, 15654), (25, 15657), (27, 15669), (31, 15684), (66, 15897), (74, 15939), (79, 15963), (81, 15969), (103, 16098), (110, 16134), (125, 16233), (129, 16254), (140, 16308), (141, 16311), (154, 16398), (158, 16434), (161, 16461),

Gene: Estes_28 Start: 13531, Stop: 14430, Start Num: 8

Candidate Starts for Estes_28:

(Start: 8 @13531 has 131 MA's), (27, 13612), (37, 13663), (79, 13906), (88, 13960), (91, 13975), (98, 14008), (110, 14077), (125, 14176), (135, 14227), (140, 14251), (145, 14287), (148, 14299), (151, 14320), (154, 14344), (157, 14374), (163, 14407),

Gene: Faith1_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Faith1_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: Farewell_11 Start: 8044, Stop: 8706, Start Num: 10

Candidate Starts for Farewell_11:

(Start: 10 @8044 has 2 MA's), (14, 8065), (42, 8194), (49, 8242), (54, 8284), (60, 8311), (63, 8326), (79, 8410), (86, 8458), (101, 8527), (124, 8677),

Gene: FarmResident_13 Start: 8717, Stop: 9619, Start Num: 8

Candidate Starts for FarmResident_13:

(Start: 8 @8717 has 131 MA's), (24, 8783), (64, 9005), (66, 9026), (82, 9107), (88, 9140), (89, 9146), (98, 9188), (99, 9197), (114, 9284), (116, 9299), (121, 9338), (126, 9365), (132, 9401), (134, 9407), (139, 9440), (145, 9479), (146, 9482), (154, 9533), (160, 9584),

Gene: FeliMaine_45 Start: 19044, Stop: 19709, Start Num: 8

Candidate Starts for FeliMaine_45:

(Start: 8 @19044 has 131 MA's), (24, 19110), (45, 19203), (48, 19230), (59, 19314), (72, 19386), (99, 19533), (101, 19539), (105, 19566), (106, 19578),

Gene: Finemlucis_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Finemlucis_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (134, 9689), (154, 9815), (164, 9884),

Gene: Finnry_14 Start: 9120, Stop: 10022, Start Num: 8

Candidate Starts for Finnry_14:

(Start: 8 @9120 has 131 MA's), (24, 9186), (64, 9408), (66, 9429), (82, 9510), (98, 9591), (99, 9600), (114, 9687), (116, 9702), (121, 9741), (137, 9834), (146, 9885), (154, 9936),

Gene: GAL1_15 Start: 9773, Stop: 10699, Start Num: 15

Candidate Starts for GAL1_15:

(15, 9773), (16, 9791), (28, 9839), (29, 9842), (30, 9845), (33, 9860), (66, 10091), (90, 10217), (109, 10319), (122, 10406), (127, 10436), (128, 10439), (130, 10445), (143, 10532),

Gene: GMA4_13 Start: 8955, Stop: 9626, Start Num: 8

Candidate Starts for GMA4_13:

(1, 8925), (4, 8940), (Start: 8 @8955 has 131 MA's), (19, 9000), (32, 9060), (79, 9342), (110, 9513), (111, 9519),

Gene: Gabriela_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Gabriela_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: Gardann_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Gardann_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (134, 9689), (154, 9815), (164, 9884),

Gene: GardenSalsa_27 Start: 13367, Stop: 14266, Start Num: 8

Candidate Starts for GardenSalsa_27:

(Start: 8 @13367 has 131 MA's), (27, 13448), (37, 13499), (76, 13724), (79, 13742), (88, 13796), (91, 13811), (98, 13844), (110, 13913), (116, 13955), (140, 14087), (145, 14123), (148, 14135), (152, 14162), (154, 14180), (157, 14210), (163, 14243),

Gene: Gattaca_44 Start: 18223, Stop: 18888, Start Num: 8

Candidate Starts for Gattaca_44:

(Start: 8 @18223 has 131 MA's), (24, 18289), (45, 18382), (48, 18409), (59, 18493), (72, 18565), (99, 18712), (101, 18718), (105, 18745), (106, 18757),

Gene: GenevaB15_27 Start: 13394, Stop: 14293, Start Num: 8

Candidate Starts for GenevaB15_27:

(Start: 8 @13394 has 131 MA's), (27, 13475), (37, 13526), (66, 13703), (79, 13769), (88, 13823), (91, 13838), (98, 13871), (110, 13940), (135, 14090), (140, 14114), (145, 14150), (148, 14162), (152, 14189), (154, 14207), (157, 14237), (163, 14270),

Gene: Glaske16_24 Start: 12815, Stop: 13714, Start Num: 8

Candidate Starts for Glaske16_24:

(Start: 8 @12815 has 131 MA's), (27, 12896), (38, 12950), (40, 12956), (60, 13085), (66, 13124), (79, 13190), (88, 13244), (91, 13259), (98, 13292), (107, 13349), (110, 13361), (126, 13469), (135, 13511), (140, 13535), (148, 13583), (157, 13658), (163, 13691),

Gene: Gusanita_14 Start: 9128, Stop: 9796, Start Num: 8

Candidate Starts for Gusanita_14:

(Start: 8 @9128 has 131 MA's), (36, 9263), (51, 9350), (62, 9416), (83, 9536), (114, 9707), (116, 9722),

Gene: GuuelaD_13 Start: 9034, Stop: 9936, Start Num: 8

Candidate Starts for GuuelaD_13:

(Start: 8 @9034 has 131 MA's), (24, 9100), (45, 9190), (64, 9322), (66, 9343), (82, 9424), (98, 9505), (99, 9514), (115, 9604), (116, 9616), (121, 9655), (132, 9718), (134, 9724), (154, 9850), (164, 9919),

Gene: Hafay_13 Start: 9035, Stop: 9934, Start Num: 8

Candidate Starts for Hafay_13:

(Start: 8 @9035 has 131 MA's), (24, 9098), (28, 9119), (45, 9188), (64, 9320), (66, 9341), (82, 9422), (98, 9503), (99, 9512), (115, 9602), (116, 9614), (121, 9653), (132, 9716), (134, 9722), (147, 9803), (154, 9848), (164, 9917),

Gene: Halena_13 Start: 8990, Stop: 9892, Start Num: 8

Candidate Starts for Halena_13:

(Start: 8 @8990 has 131 MA's), (24, 9056), (26, 9062), (45, 9146), (66, 9299), (69, 9311), (82, 9380), (89, 9419), (95, 9449), (99, 9470), (132, 9674), (139, 9713), (154, 9806), (156, 9830), (164, 9875),

Gene: Huphlebuff_47 Start: 18848, Stop: 19513, Start Num: 8

Candidate Starts for Huphlebuff_47:

(Start: 8 @18848 has 131 MA's), (24, 18914), (45, 19007), (48, 19034), (59, 19118), (72, 19190), (99, 19337), (101, 19343), (105, 19370), (106, 19382),

Gene: IPhane7_23 Start: 12816, Stop: 13715, Start Num: 8

Candidate Starts for IPhane7_23:

(Start: 8 @12816 has 131 MA's), (27, 12897), (38, 12951), (40, 12957), (60, 13086), (66, 13125), (79, 13191), (88, 13245), (91, 13260), (98, 13293), (107, 13350), (110, 13362), (126, 13470), (135, 13512), (140, 13536), (148, 13584), (157, 13659), (163, 13692),

Gene: Ibrahim_14 Start: 9882, Stop: 10814, Start Num: 8

Candidate Starts for Ibrahim_14:

(Start: 8 @9882 has 131 MA's), (12, 9897), (35, 10002), (43, 10047), (73, 10245), (86, 10320), (101, 10389), (104, 10413), (120, 10524), (140, 10635), (142, 10653), (144, 10668), (152, 10707), (154, 10725), (159, 10764),

Gene: Itos_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Itos_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: JanetJ_13 Start: 8928, Stop: 9581, Start Num: 8

Candidate Starts for JanetJ_13:

(Start: 8 @8928 has 131 MA's), (9, 8931), (44, 9081), (46, 9093), (64, 9219), (67, 9243), (68, 9249), (101, 9417), (123, 9555),

Gene: Jobypre_14 Start: 9123, Stop: 10025, Start Num: 8

Candidate Starts for Jobypre_14:

(Start: 8 @9123 has 131 MA's), (24, 9189), (64, 9411), (66, 9432), (82, 9513), (98, 9594), (99, 9603), (114, 9690), (116, 9705), (121, 9744), (137, 9837), (146, 9888), (154, 9939),

Gene: JoeDirt_13 Start: 8990, Stop: 9892, Start Num: 8

Candidate Starts for JoeDirt_13:

(Start: 8 @8990 has 131 MA's), (24, 9056), (26, 9062), (45, 9146), (66, 9299), (69, 9311), (82, 9380), (89, 9419), (95, 9449), (99, 9470), (132, 9674), (139, 9713), (154, 9806), (156, 9830), (164, 9875),

Gene: JoieB_46 Start: 19067, Stop: 19732, Start Num: 8

Candidate Starts for JoieB_46:

(Start: 8 @19067 has 131 MA's), (24, 19133), (45, 19226), (48, 19253), (59, 19337), (72, 19409), (99, 19556), (101, 19562), (105, 19589), (106, 19601),

Gene: Jubie_14 Start: 9123, Stop: 10025, Start Num: 8

Candidate Starts for Jubie_14:

(Start: 8 @9123 has 131 MA's), (24, 9189), (64, 9411), (66, 9432), (82, 9513), (98, 9594), (99, 9603), (114, 9690), (116, 9705), (121, 9744), (137, 9837), (146, 9888), (154, 9939),

Gene: Kahlid_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Kahlid_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (134, 9689), (154, 9815), (164, 9884),

Gene: Kingsolomon_14 Start: 9123, Stop: 10025, Start Num: 8

Candidate Starts for Kingsolomon_14:

(Start: 8 @9123 has 131 MA's), (24, 9189), (64, 9411), (66, 9432), (82, 9513), (98, 9594), (99, 9603), (114, 9690), (116, 9705), (121, 9744), (137, 9837), (146, 9888), (154, 9939),

Gene: KirDoubleO7_12 Start: 9136, Stop: 10038, Start Num: 8

Candidate Starts for KirDoubleO7_12:

(Start: 8 @9136 has 131 MA's), (24, 9202), (64, 9424), (66, 9445), (75, 9484), (82, 9526), (98, 9607), (99, 9616), (114, 9703), (116, 9718), (121, 9757), (146, 9901), (154, 9952),

Gene: Krypton555_14 Start: 9112, Stop: 10011, Start Num: 8

Candidate Starts for Krypton555_14:

(Start: 8 @9112 has 131 MA's), (24, 9178), (64, 9400), (66, 9421), (82, 9502), (98, 9583), (99, 9592), (114, 9679), (116, 9694), (121, 9733), (132, 9796), (134, 9802), (145, 9874), (154, 9928), (164, 9997),

Gene: Kudrefre_21 Start: 12302, Stop: 12976, Start Num: 3

Candidate Starts for Kudrefre_21:

(Start: 3 @12302 has 3 MA's), (Start: 6 @12317 has 5 MA's), (13, 12338), (17, 12359), (20, 12368), (28, 12407), (33, 12428), (47, 12488), (53, 12557), (60, 12593), (84, 12722), (88, 12746), (100, 12806), (103, 12827), (104, 12833), (116, 12905), (120, 12941),

Gene: Kumao_22 Start: 12078, Stop: 12980, Start Num: 8

Candidate Starts for Kumao_22:

(Start: 8 @12078 has 131 MA's), (18, 12120), (27, 12159), (46, 12240), (48, 12261), (54, 12321), (60, 12348), (66, 12387), (76, 12438), (79, 12456), (87, 12507), (88, 12510), (89, 12516), (91, 12525), (98, 12558), (102, 12576), (110, 12627), (116, 12669), (141, 12804), (150, 12864), (154, 12891),

Gene: LeBron_13 Start: 8990, Stop: 9892, Start Num: 8

Candidate Starts for LeBron_13:

(Start: 8 @8990 has 131 MA's), (24, 9056), (26, 9062), (45, 9146), (66, 9299), (69, 9311), (82, 9380), (89, 9419), (95, 9449), (99, 9470), (132, 9674), (139, 9713), (154, 9806), (156, 9830), (164, 9875),

Gene: Lenoxika_16 Start: 9239, Stop: 9907, Start Num: 8

Candidate Starts for Lenoxika_16:

(Start: 8 @9239 has 131 MA's), (23, 9308), (51, 9461), (62, 9527), (83, 9647), (107, 9779), (116, 9833),

Gene: Lewan_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Lewan_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: LilDestine_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for LilDestine_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (134, 9689), (154, 9815), (164, 9884),

Gene: Lilbit_46 Start: 19044, Stop: 19709, Start Num: 8

Candidate Starts for Lilbit_46:

(Start: 8 @19044 has 131 MA's), (24, 19110), (45, 19203), (48, 19230), (59, 19314), (72, 19386), (99, 19533), (101, 19539), (105, 19566), (106, 19578),

Gene: LilhomieP_22 Start: 12816, Stop: 13715, Start Num: 8

Candidate Starts for LilhomieP_22:

(Start: 8 @12816 has 131 MA's), (27, 12897), (38, 12951), (40, 12957), (60, 13086), (66, 13125), (79, 13191), (88, 13245), (91, 13260), (98, 13293), (107, 13350), (110, 13362), (126, 13470), (135, 13512), (140, 13536), (148, 13584), (157, 13659), (163, 13692),

Gene: LittleLaf_45 Start: 18773, Stop: 19438, Start Num: 8

Candidate Starts for LittleLaf_45:

(Start: 8 @18773 has 131 MA's), (24, 18839), (45, 18932), (48, 18959), (59, 19043), (72, 19115), (99, 19262), (101, 19268), (105, 19295), (106, 19307),

Gene: LiyuLake_14 Start: 9127, Stop: 10029, Start Num: 8

Candidate Starts for LiyuLake_14:

(Start: 8 @9127 has 131 MA's), (24, 9193), (64, 9415), (66, 9436), (75, 9475), (82, 9517), (98, 9598), (99, 9607), (114, 9694), (116, 9709), (121, 9748), (146, 9892), (154, 9943),

Gene: Loadrie_13 Start: 9035, Stop: 9934, Start Num: 8

Candidate Starts for Loadrie_13:

(Start: 8 @9035 has 131 MA's), (24, 9098), (28, 9119), (45, 9188), (64, 9320), (66, 9341), (82, 9422), (98, 9503), (99, 9512), (115, 9602), (116, 9614), (121, 9653), (132, 9716), (134, 9722), (147, 9803), (154, 9848), (156, 9872), (164, 9917),

Gene: Lolly9_14 Start: 9130, Stop: 10029, Start Num: 8

Candidate Starts for Lolly9_14:

(Start: 8 @9130 has 131 MA's), (24, 9196), (64, 9418), (66, 9439), (82, 9520), (98, 9601), (99, 9610), (116, 9712), (121, 9751), (132, 9814), (145, 9892), (146, 9895), (154, 9946), (156, 9970), (164, 10015),

Gene: Lumos_14 Start: 9123, Stop: 10025, Start Num: 8

Candidate Starts for Lumos_14:

(Start: 8 @9123 has 131 MA's), (24, 9189), (64, 9411), (66, 9432), (82, 9513), (98, 9594), (99, 9603), (114, 9690), (116, 9705), (121, 9744), (137, 9837), (146, 9888), (154, 9939),

Gene: MAckerman_13 Start: 8989, Stop: 9891, Start Num: 8

Candidate Starts for MAckerman_13:

(Start: 8 @8989 has 131 MA's), (24, 9055), (26, 9061), (45, 9145), (66, 9298), (69, 9310), (82, 9379), (89, 9418), (95, 9448), (99, 9469), (132, 9673), (139, 9712), (154, 9805), (156, 9829), (164, 9874),

Gene: Marvin_43 Start: 19043, Stop: 19708, Start Num: 8

Candidate Starts for Marvin_43:

(Start: 8 @19043 has 131 MA's), (24, 19109), (45, 19202), (48, 19229), (59, 19313), (72, 19385), (99, 19532), (101, 19538), (105, 19565), (106, 19577),

Gene: MaryV_35 Start: 15860, Stop: 16771, Start Num: 8

Candidate Starts for MaryV_35:

(Start: 8 @15860 has 131 MA's), (17, 15899), (24, 15926), (25, 15929), (27, 15941), (31, 15956), (66, 16169), (79, 16235), (81, 16241), (103, 16370), (110, 16406), (125, 16505), (129, 16526), (140, 16580), (141, 16583), (150, 16643), (153, 16667), (154, 16670), (155, 16679), (158, 16706), (162, 16736), (163, 16748),

Gene: Mendokysei_13 Start: 9859, Stop: 10791, Start Num: 7

Candidate Starts for Mendokysei_13:

(Start: 7 @9859 has 1 MA's), (12, 9874), (13, 9877), (43, 10024), (73, 10222), (86, 10297), (101, 10366), (104, 10390), (110, 10420), (114, 10450), (118, 10477), (133, 10573), (136, 10585), (150, 10675), (152, 10684), (154, 10702),

Gene: Miley16_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Miley16_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: MiniLon_14 Start: 9130, Stop: 10029, Start Num: 8

Candidate Starts for MiniLon_14:

(Start: 8 @9130 has 131 MA's), (24, 9196), (64, 9418), (66, 9439), (82, 9520), (98, 9601), (99, 9610), (116, 9712), (121, 9751), (132, 9814), (145, 9892), (146, 9895), (154, 9946), (156, 9970), (164, 10015),

Gene: MiniMac_14 Start: 9131, Stop: 10030, Start Num: 8

Candidate Starts for MiniMac_14:

(Start: 8 @9131 has 131 MA's), (24, 9197), (64, 9419), (66, 9440), (82, 9521), (98, 9602), (99, 9611), (116, 9713), (121, 9752), (132, 9815), (145, 9893), (146, 9896), (154, 9947), (156, 9971), (164, 10016),

Gene: MkaliMitinis3_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for MkaliMitinis3_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: Moostard_14 Start: 9119, Stop: 10021, Start Num: 8

Candidate Starts for Moostard_14:

(Start: 8 @9119 has 131 MA's), (24, 9185), (64, 9407), (66, 9428), (82, 9509), (98, 9590), (99, 9599), (114, 9686), (116, 9701), (121, 9740), (137, 9833), (146, 9884), (154, 9935),

Gene: MosMoris_43 Start: 18223, Stop: 18888, Start Num: 8

Candidate Starts for MosMoris_43:

(Start: 8 @18223 has 131 MA's), (24, 18289), (45, 18382), (48, 18409), (59, 18493), (72, 18565), (99, 18712), (101, 18718), (105, 18745), (106, 18757),

Gene: MrMagoo_27 Start: 13367, Stop: 14266, Start Num: 8

Candidate Starts for MrMagoo_27:

(Start: 8 @13367 has 131 MA's), (27, 13448), (37, 13499), (76, 13724), (79, 13742), (88, 13796), (91, 13811), (98, 13844), (110, 13913), (116, 13955), (140, 14087), (145, 14123), (148, 14135), (152, 14162), (154, 14180), (157, 14210), (163, 14243),

Gene: MrSmee_12 Start: 7019, Stop: 7681, Start Num: 8

Candidate Starts for MrSmee_12:

(Start: 8 @7019 has 131 MA's), (23, 7088), (27, 7106), (28, 7112), (51, 7241), (61, 7301), (66, 7337), (73, 7373), (77, 7385), (83, 7424), (99, 7508),

Gene: MsGreen_14 Start: 9123, Stop: 10025, Start Num: 8

Candidate Starts for MsGreen_14:

(Start: 8 @9123 has 131 MA's), (24, 9189), (64, 9411), (66, 9432), (82, 9513), (98, 9594), (99, 9603), (114, 9690), (116, 9705), (121, 9744), (137, 9837), (146, 9888), (154, 9939),

Gene: Nairb_14 Start: 9882, Stop: 10814, Start Num: 8

Candidate Starts for Nairb_14:

(Start: 8 @9882 has 131 MA's), (12, 9897), (35, 10002), (43, 10047), (73, 10245), (86, 10320), (101, 10389), (104, 10413), (120, 10524), (140, 10635), (142, 10653), (144, 10668), (152, 10707), (154, 10725), (159, 10764),

Gene: Nandita_16 Start: 9237, Stop: 9905, Start Num: 8

Candidate Starts for Nandita_16:

(Start: 8 @9237 has 131 MA's), (23, 9306), (51, 9459), (62, 9525), (83, 9645), (107, 9777), (116, 9831),

Gene: Nanosmite_27 Start: 13585, Stop: 14487, Start Num: 8

Candidate Starts for Nanosmite_27:

(Start: 8 @13585 has 131 MA's), (27, 13666), (31, 13681), (60, 13855), (66, 13894), (79, 13960), (88, 14014), (91, 14029), (98, 14062), (107, 14119), (110, 14131), (140, 14311), (148, 14359), (151, 14377), (153, 14398), (154, 14401), (155, 14410), (157, 14431), (158, 14437),

Gene: Netyap_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Netyap_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: Neville_21 Start: 12158, Stop: 12817, Start Num: 6

Candidate Starts for Neville_21:

(Start: 6 @12158 has 5 MA's), (19, 12206), (20, 12209), (33, 12269), (39, 12299), (53, 12398), (55, 12416), (60, 12434), (67, 12476), (70, 12494), (71, 12500), (92, 12617), (99, 12644), (104, 12674), (108, 12695), (116, 12746), (117, 12752),

Gene: Nicholas_14 Start: 9123, Stop: 10025, Start Num: 8

Candidate Starts for Nicholas_14:

(Start: 8 @9123 has 131 MA's), (24, 9189), (64, 9411), (66, 9432), (82, 9513), (98, 9594), (99, 9603), (114, 9690), (116, 9705), (121, 9744), (137, 9837), (146, 9888), (154, 9939),

Gene: Nicholasp3_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Nicholasp3_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (134, 9689), (154, 9815), (164, 9884),

Gene: Octobien14_22 Start: 13362, Stop: 14021, Start Num: 6

Candidate Starts for Octobien14_22:

(Start: 6 @13362 has 5 MA's), (17, 13404), (20, 13413), (28, 13452), (33, 13473), (39, 13503), (60, 13638), (84, 13767), (88, 13791), (100, 13851), (103, 13872), (104, 13878), (108, 13899), (116, 13950), (120, 13986),

Gene: OhShagHennessy_13 Start: 8963, Stop: 9865, Start Num: 8

Candidate Starts for OhShagHennessy_13:

(Start: 8 @8963 has 131 MA's), (24, 9029), (26, 9035), (45, 9119), (66, 9272), (69, 9284), (82, 9353), (87, 9383), (89, 9392), (95, 9422), (99, 9443), (132, 9647), (139, 9686), (154, 9779), (156, 9803), (164, 9848),

Gene: PSonyx_12 Start: 8868, Stop: 9539, Start Num: 3

Candidate Starts for PSonyx_12:

(Start: 3 @8868 has 3 MA's), (41, 9039), (48, 9072), (49, 9090), (52, 9108), (60, 9159), (61, 9165), (64, 9177), (75, 9234), (78, 9252), (81, 9261), (84, 9285), (85, 9300), (110, 9426), (113, 9441),

Gene: PYPDinur_13 Start: 8672, Stop: 9574, Start Num: 8

Candidate Starts for PYPDinur_13:

(Start: 8 @8672 has 131 MA's), (24, 8738), (64, 8960), (66, 8981), (82, 9062), (89, 9101), (98, 9143), (99, 9152), (114, 9239), (116, 9254), (121, 9293), (126, 9320), (132, 9356), (134, 9362), (139, 9395), (145, 9434), (146, 9437), (154, 9488), (160, 9539),

Gene: PegLeg_23 Start: 12815, Stop: 13714, Start Num: 8

Candidate Starts for PegLeg_23:

(Start: 8 @12815 has 131 MA's), (27, 12896), (38, 12950), (40, 12956), (60, 13085), (66, 13124), (79, 13190), (88, 13244), (91, 13259), (98, 13292), (107, 13349), (110, 13361), (126, 13469), (135, 13511), (140, 13535), (148, 13583), (157, 13658), (163, 13691),

Gene: Poise_45 Start: 18361, Stop: 19026, Start Num: 8

Candidate Starts for Poise_45:

(Start: 8 @18361 has 131 MA's), (24, 18427), (45, 18520), (48, 18547), (59, 18631), (72, 18703), (99, 18850), (101, 18856), (105, 18883), (106, 18895),

Gene: Popper_14 Start: 8768, Stop: 9433, Start Num: 8

Candidate Starts for Popper_14:

(Start: 8 @8768 has 131 MA's), (51, 8990), (58, 9038), (61, 9050), (62, 9056), (66, 9086), (83, 9176), (94, 9239), (101, 9266), (116, 9362),

Gene: Pringar_45 Start: 18673, Stop: 19338, Start Num: 8

Candidate Starts for Pringar_45:

(Start: 8 @18673 has 131 MA's), (24, 18739), (45, 18832), (48, 18859), (59, 18943), (72, 19015), (99, 19162), (101, 19168), (105, 19195), (106, 19207),

Gene: Quby_13 Start: 8671, Stop: 9573, Start Num: 8

Candidate Starts for Quby_13:

(Start: 8 @8671 has 131 MA's), (24, 8737), (64, 8959), (66, 8980), (82, 9061), (89, 9100), (98, 9142), (99, 9151), (114, 9238), (116, 9253), (121, 9292), (126, 9319), (132, 9355), (134, 9361), (139, 9394),

(145, 9433), (146, 9436), (154, 9487), (160, 9538),

Gene: QuinnAvery_15 Start: 9252, Stop: 9920, Start Num: 8

Candidate Starts for QuinnAvery_15:

(Start: 8 @9252 has 131 MA's), (62, 9540), (83, 9660), (107, 9792), (116, 9846),

Gene: Rabbitrun_23 Start: 12721, Stop: 13380, Start Num: 6

Candidate Starts for Rabbitrun_23:

(Start: 6 @12721 has 5 MA's), (19, 12769), (20, 12772), (28, 12811), (33, 12832), (39, 12862), (47, 12892), (53, 12961), (55, 12979), (60, 12997), (67, 13039), (71, 13063), (107, 13255), (116, 13309), (117, 13315),

Gene: Raela_45 Start: 18916, Stop: 19581, Start Num: 8

Candidate Starts for Raela_45:

(Start: 8 @18916 has 131 MA's), (24, 18982), (45, 19075), (48, 19102), (59, 19186), (72, 19258), (99, 19405), (101, 19411), (105, 19438), (106, 19450),

Gene: Raqqa_13 Start: 8165, Stop: 8830, Start Num: 8

Candidate Starts for Raqqa_13:

(Start: 8 @8165 has 131 MA's), (25, 8240), (28, 8258), (36, 8300), (49, 8372), (51, 8387), (62, 8453), (65, 8462), (66, 8483), (87, 8597), (99, 8657),

Gene: RedRaider77_45 Start: 18817, Stop: 19482, Start Num: 8

Candidate Starts for RedRaider77_45:

(Start: 8 @18817 has 131 MA's), (24, 18883), (45, 18976), (48, 19003), (59, 19087), (72, 19159), (99, 19306), (101, 19312), (105, 19339), (106, 19351),

Gene: Reindeer_21 Start: 12668, Stop: 13567, Start Num: 8

Candidate Starts for Reindeer_21:

(Start: 8 @12668 has 131 MA's), (35, 12785), (37, 12800), (40, 12809), (60, 12938), (66, 12977), (79, 13043), (88, 13097), (91, 13112), (98, 13145), (110, 13214), (135, 13364), (140, 13388), (148, 13436), (157, 13511),

Gene: Rey_27 Start: 13596, Stop: 14495, Start Num: 8

Candidate Starts for Rey_27:

(Start: 8 @13596 has 131 MA's), (37, 13728), (60, 13866), (66, 13905), (79, 13971), (88, 14025), (91, 14040), (98, 14073), (110, 14142), (125, 14241), (139, 14313), (140, 14316), (145, 14352), (148, 14364), (152, 14391), (154, 14409), (157, 14439), (163, 14472),

Gene: RonRayGun_14 Start: 9882, Stop: 10814, Start Num: 8

Candidate Starts for RonRayGun_14:

(Start: 8 @9882 has 131 MA's), (12, 9897), (35, 10002), (43, 10047), (73, 10245), (86, 10320), (101, 10389), (104, 10413), (120, 10524), (140, 10635), (142, 10653), (144, 10668), (152, 10707), (154, 10725), (159, 10764),

Gene: Rose5_13 Start: 8989, Stop: 9891, Start Num: 8

Candidate Starts for Rose5_13:

(Start: 8 @8989 has 131 MA's), (24, 9055), (26, 9061), (45, 9145), (66, 9298), (69, 9310), (82, 9379), (89, 9418), (95, 9448), (99, 9469), (132, 9673), (139, 9712), (154, 9805), (156, 9829), (164, 9874),

Gene: Rumpelstiltskin_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Rumpelstiltskin_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: Ryan_16 Start: 9383, Stop: 10051, Start Num: 8

Candidate Starts for Ryan_16:

(Start: 8 @9383 has 131 MA's), (51, 9605), (62, 9671), (83, 9791), (107, 9923), (116, 9977),

Gene: SPB78_13 Start: 8500, Stop: 9165, Start Num: 5

Candidate Starts for SPB78_13:

(5, 8500), (11, 8518), (21, 8566), (24, 8575), (44, 8659), (50, 8713), (59, 8773), (97, 8977), (110, 9055),

Gene: Samty_14 Start: 9119, Stop: 10021, Start Num: 8

Candidate Starts for Samty_14:

(Start: 8 @9119 has 131 MA's), (24, 9185), (64, 9407), (66, 9428), (82, 9509), (98, 9590), (99, 9599), (114, 9686), (116, 9701), (121, 9740), (137, 9833), (146, 9884), (154, 9935),

Gene: Sarge_12 Start: 7918, Stop: 8571, Start Num: 8

Candidate Starts for Sarge_12:

(Start: 8 @7918 has 131 MA's), (22, 7978), (46, 8083), (57, 8179), (59, 8188), (64, 8209), (67, 8233), (73, 8266), (123, 8545),

Gene: Sarshaun_13 Start: 9035, Stop: 9934, Start Num: 8

Candidate Starts for Sarshaun_13:

(Start: 8 @9035 has 131 MA's), (24, 9098), (28, 9119), (45, 9188), (64, 9320), (66, 9341), (82, 9422), (98, 9503), (99, 9512), (115, 9602), (116, 9614), (121, 9653), (132, 9716), (134, 9722), (147, 9803), (154, 9848), (164, 9917),

Gene: Sephiroth_22 Start: 12473, Stop: 13147, Start Num: 3

Candidate Starts for Sephiroth_22:

(Start: 3 @12473 has 3 MA's), (Start: 6 @12488 has 5 MA's), (13, 12509), (17, 12530), (20, 12539), (28, 12578), (33, 12599), (47, 12659), (53, 12728), (60, 12764), (84, 12893), (88, 12917), (100, 12977), (103, 12998), (104, 13004), (116, 13076), (120, 13112),

Gene: Sheng711_13 Start: 8672, Stop: 9574, Start Num: 8

Candidate Starts for Sheng711_13:

(Start: 8 @8672 has 131 MA's), (24, 8738), (64, 8960), (66, 8981), (82, 9062), (89, 9101), (98, 9143), (99, 9152), (114, 9239), (116, 9254), (121, 9293), (126, 9320), (132, 9356), (134, 9362), (139, 9395), (145, 9434), (146, 9437), (154, 9488), (160, 9539),

Gene: Shoya_11 Start: 7554, Stop: 8207, Start Num: 8

Candidate Starts for Shoya_11:

(Start: 8 @7554 has 131 MA's), (22, 7614), (46, 7719), (57, 7815), (59, 7824), (64, 7845), (67, 7869), (73, 7902), (123, 8181),

Gene: Silverleaf_13 Start: 8989, Stop: 9891, Start Num: 8

Candidate Starts for Silverleaf_13:

(Start: 8 @8989 has 131 MA's), (24, 9055), (26, 9061), (45, 9145), (66, 9298), (69, 9310), (82, 9379), (89, 9418), (95, 9448), (99, 9469), (132, 9673), (139, 9712), (154, 9805), (156, 9829), (164, 9874),

Gene: Skinny_24 Start: 12816, Stop: 13715, Start Num: 8

Candidate Starts for Skinny_24:

(Start: 8 @12816 has 131 MA's), (27, 12897), (38, 12951), (40, 12957), (60, 13086), (66, 13125), (79, 13191), (88, 13245), (91, 13260), (98, 13293), (107, 13350), (110, 13362), (126, 13470), (135, 13512), (140, 13536), (148, 13584), (157, 13659), (163, 13692),

Gene: SlimJimmy_22 Start: 12815, Stop: 13714, Start Num: 8

Candidate Starts for SlimJimmy_22:

(Start: 8 @12815 has 131 MA's), (27, 12896), (38, 12950), (40, 12956), (60, 13085), (66, 13124), (79, 13190), (88, 13244), (91, 13259), (98, 13292), (107, 13349), (110, 13361), (135, 13511), (140, 13535), (148, 13583), (157, 13658), (158, 13664), (163, 13691),

Gene: Snenia_14 Start: 9124, Stop: 10026, Start Num: 8

Candidate Starts for Snenia_14:

(Start: 8 @9124 has 131 MA's), (24, 9190), (64, 9412), (66, 9433), (82, 9514), (98, 9595), (99, 9604), (114, 9691), (116, 9706), (121, 9745), (137, 9838), (146, 9889), (154, 9940),

Gene: Soap141_13 Start: 9035, Stop: 9934, Start Num: 8

Candidate Starts for Soap141_13:

(Start: 8 @9035 has 131 MA's), (24, 9098), (28, 9119), (45, 9188), (64, 9320), (66, 9341), (82, 9422), (98, 9503), (99, 9512), (115, 9602), (116, 9614), (121, 9653), (132, 9716), (134, 9722), (147, 9803), (154, 9848), (164, 9917),

Gene: Sparky_11 Start: 8045, Stop: 8707, Start Num: 10

Candidate Starts for Sparky_11:

(Start: 10 @8045 has 2 MA's), (14, 8066), (42, 8195), (49, 8243), (54, 8285), (60, 8312), (63, 8327), (86, 8459), (101, 8528), (124, 8678),

Gene: Syleon_22 Start: 12411, Stop: 13070, Start Num: 6

Candidate Starts for Syleon_22:

(Start: 3 @12396 has 3 MA's), (Start: 6 @12411 has 5 MA's), (13, 12432), (17, 12453), (20, 12462), (28, 12501), (33, 12522), (39, 12552), (47, 12582), (53, 12651), (60, 12687), (84, 12816), (88, 12840), (100, 12900), (103, 12921), (104, 12927), (116, 12999), (120, 13035),

Gene: Tesla_44 Start: 18666, Stop: 19331, Start Num: 8

Candidate Starts for Tesla_44:

(Start: 8 @18666 has 131 MA's), (24, 18732), (45, 18825), (48, 18852), (59, 18936), (72, 19008), (99, 19155), (101, 19161), (105, 19188), (106, 19200),

Gene: Tourach_13 Start: 9015, Stop: 9917, Start Num: 8

Candidate Starts for Tourach_13:

(Start: 8 @9015 has 131 MA's), (24, 9081), (45, 9171), (64, 9303), (66, 9324), (82, 9405), (89, 9444), (95, 9474), (98, 9486), (99, 9495), (115, 9585), (116, 9597), (121, 9636), (132, 9699), (154, 9831), (164, 9900),

Gene: Trax_21 Start: 12158, Stop: 12817, Start Num: 6

Candidate Starts for Trax_21:

(Start: 6 @12158 has 5 MA's), (19, 12206), (20, 12209), (33, 12269), (39, 12299), (53, 12398), (55, 12416), (60, 12434), (67, 12476), (70, 12494), (71, 12500), (92, 12617), (104, 12674), (108, 12695), (116, 12746), (117, 12752),

Gene: TyDawg_23 Start: 12816, Stop: 13715, Start Num: 8

Candidate Starts for TyDawg_23:

(Start: 8 @12816 has 131 MA's), (27, 12897), (38, 12951), (40, 12957), (60, 13086), (66, 13125), (79, 13191), (88, 13245), (91, 13260), (98, 13293), (107, 13350), (110, 13362), (126, 13470), (135, 13512),

(140, 13536), (148, 13584), (157, 13659), (163, 13692),

Gene: Tyson_13 Start: 8989, Stop: 9891, Start Num: 8

Candidate Starts for Tyson_13:

(Start: 8 @8989 has 131 MA's), (24, 9055), (26, 9061), (45, 9145), (66, 9298), (69, 9310), (82, 9379), (89, 9418), (95, 9448), (99, 9469), (132, 9673), (139, 9712), (154, 9805), (156, 9829), (164, 9874),

Gene: UPIE_13 Start: 8987, Stop: 9889, Start Num: 8

Candidate Starts for UPIE_13:

(Start: 8 @8987 has 131 MA's), (24, 9053), (26, 9059), (45, 9143), (66, 9296), (69, 9308), (82, 9377), (89, 9416), (95, 9446), (99, 9467), (132, 9671), (139, 9710), (154, 9803), (156, 9827), (164, 9872),

Gene: VasuNzinga_45 Start: 18250, Stop: 18915, Start Num: 8

Candidate Starts for VasuNzinga_45:

(Start: 8 @18250 has 131 MA's), (24, 18316), (45, 18409), (48, 18436), (59, 18520), (72, 18592), (99, 18739), (101, 18745), (105, 18772), (106, 18784),

Gene: Vetrix_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Vetrix_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: Wamburgxpress_13 Start: 8989, Stop: 9891, Start Num: 8

Candidate Starts for Wamburgxpress_13:

(Start: 8 @8989 has 131 MA's), (24, 9055), (26, 9061), (45, 9145), (66, 9298), (69, 9310), (82, 9379), (89, 9418), (95, 9448), (99, 9469), (132, 9673), (139, 9712), (154, 9805), (156, 9829), (164, 9874),

Gene: Whirlwind_15 Start: 9117, Stop: 10016, Start Num: 8

Candidate Starts for Whirlwind_15:

(Start: 8 @9117 has 131 MA's), (24, 9183), (64, 9405), (66, 9426), (82, 9507), (98, 9588), (99, 9597), (116, 9699), (121, 9738), (132, 9801), (154, 9933), (164, 10002),

Gene: Whitty_14 Start: 9882, Stop: 10814, Start Num: 8

Candidate Starts for Whitty_14:

(Start: 8 @9882 has 131 MA's), (12, 9897), (35, 10002), (43, 10047), (73, 10245), (86, 10320), (101, 10389), (104, 10413), (120, 10524), (140, 10635), (142, 10653), (144, 10668), (152, 10707), (154, 10725), (159, 10764),

Gene: Wigglewigggle_13 Start: 9035, Stop: 9934, Start Num: 8

Candidate Starts for Wigglewigggle_13:

(Start: 8 @9035 has 131 MA's), (24, 9098), (28, 9119), (45, 9188), (64, 9320), (66, 9341), (82, 9422), (98, 9503), (99, 9512), (115, 9602), (116, 9614), (121, 9653), (132, 9716), (134, 9722), (147, 9803), (154, 9848), (156, 9872), (164, 9917),

Gene: Wildcat_35 Start: 15870, Stop: 16781, Start Num: 8

Candidate Starts for Wildcat_35:

(Start: 8 @15870 has 131 MA's), (17, 15909), (24, 15936), (25, 15939), (27, 15951), (31, 15966), (66, 16179), (79, 16245), (81, 16251), (103, 16380), (110, 16416), (125, 16515), (129, 16536), (140, 16590), (141, 16593), (150, 16653), (153, 16677), (154, 16680), (155, 16689), (158, 16716), (162, 16746), (163, 16758),

Gene: Wilder_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Wilder_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (134, 9689), (154, 9815), (164, 9884),

Gene: Winky_13 Start: 9002, Stop: 9901, Start Num: 8

Candidate Starts for Winky_13:

(Start: 8 @9002 has 131 MA's), (24, 9065), (28, 9086), (45, 9155), (64, 9287), (66, 9308), (82, 9389), (98, 9470), (99, 9479), (115, 9569), (116, 9581), (121, 9620), (132, 9683), (134, 9689), (147, 9770), (154, 9815), (164, 9884),

Gene: Wyatt2_13 Start: 8989, Stop: 9891, Start Num: 8

Candidate Starts for Wyatt2_13:

(Start: 8 @8989 has 131 MA's), (24, 9055), (26, 9061), (45, 9145), (66, 9298), (69, 9310), (82, 9379), (89, 9418), (95, 9448), (99, 9469), (132, 9673), (139, 9712), (154, 9805), (156, 9829), (164, 9874),

Gene: Zaheer_16 Start: 9472, Stop: 10140, Start Num: 8

Candidate Starts for Zaheer_16:

(Start: 8 @9472 has 131 MA's), (23, 9541), (51, 9694), (62, 9760), (83, 9880), (116, 10066),

Gene: Zakai_13 Start: 8990, Stop: 9889, Start Num: 8

Candidate Starts for Zakai_13:

(Start: 8 @8990 has 131 MA's), (24, 9053), (28, 9074), (45, 9143), (64, 9275), (66, 9296), (82, 9377), (98, 9458), (99, 9467), (115, 9557), (116, 9569), (121, 9608), (132, 9671), (134, 9677), (147, 9758), (154, 9803), (164, 9872),

Gene: Zaria_13 Start: 8990, Stop: 9892, Start Num: 8

Candidate Starts for Zaria_13:

(Start: 8 @8990 has 131 MA's), (24, 9056), (26, 9062), (45, 9146), (66, 9299), (69, 9311), (82, 9380), (89, 9419), (95, 9449), (99, 9470), (132, 9674), (139, 9713), (154, 9806), (156, 9830), (164, 9875),

Gene: ZenTime222_14 Start: 9882, Stop: 10814, Start Num: 8

Candidate Starts for ZenTime222_14:

(Start: 8 @9882 has 131 MA's), (12, 9897), (35, 10002), (43, 10047), (73, 10245), (86, 10320), (101, 10389), (104, 10413), (120, 10524), (140, 10635), (142, 10653), (144, 10668), (152, 10707), (154, 10725), (159, 10764),

Gene: ZhongYanYuan_12 Start: 8830, Stop: 9729, Start Num: 8

Candidate Starts for ZhongYanYuan_12:

(Start: 8 @8830 has 131 MA's), (24, 8893), (28, 8914), (45, 8983), (64, 9115), (66, 9136), (82, 9217), (98, 9298), (99, 9307), (115, 9397), (116, 9409), (121, 9448), (130, 9490), (132, 9511), (134, 9517), (154, 9643), (164, 9712),

Gene: Zucker_14 Start: 8546, Stop: 9211, Start Num: 8

Candidate Starts for Zucker_14:

(Start: 8 @8546 has 131 MA's), (17, 8591), (25, 8621), (46, 8714), (47, 8717), (50, 8756), (57, 8807), (80, 8927), (116, 9137), (119, 9167),