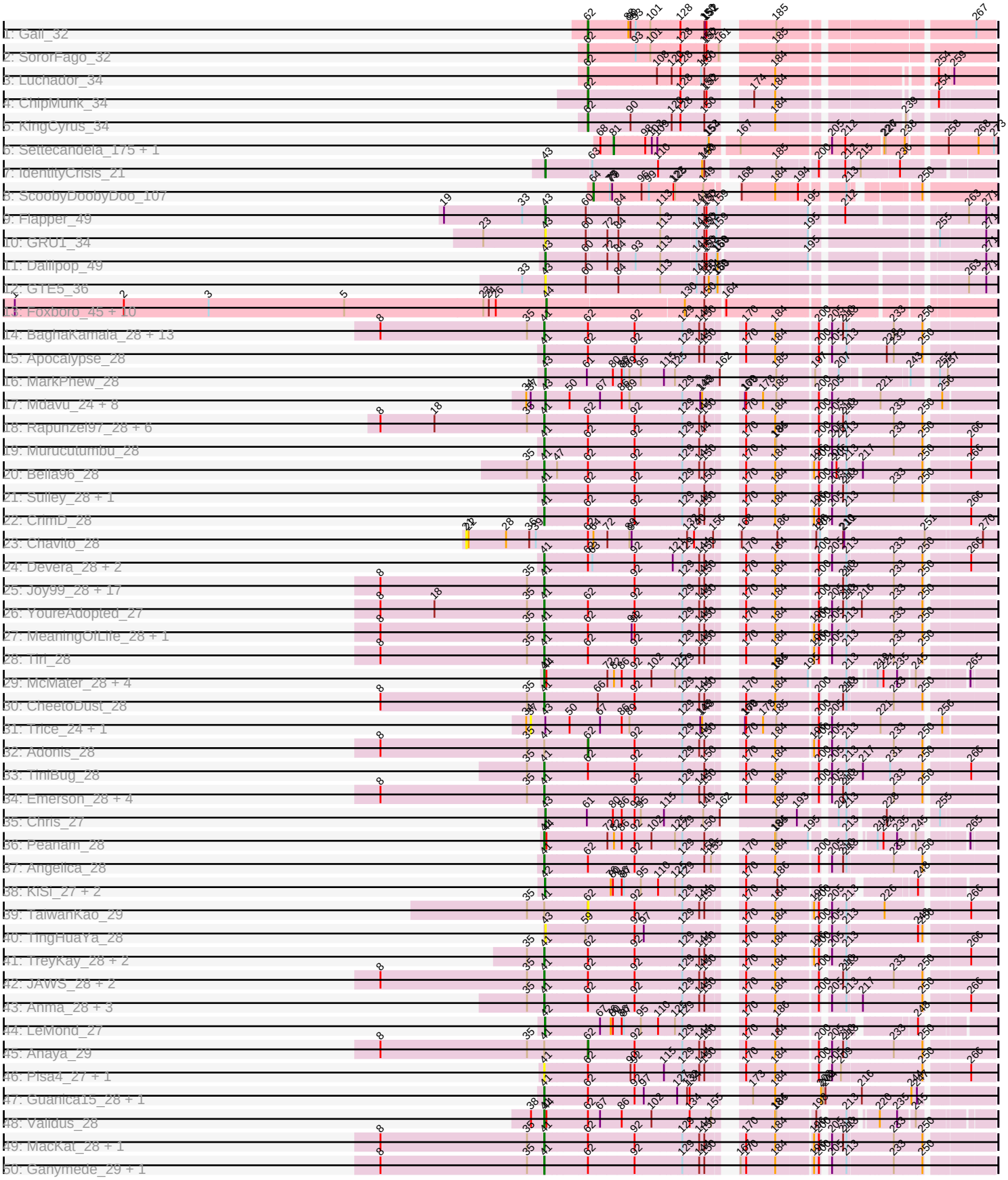
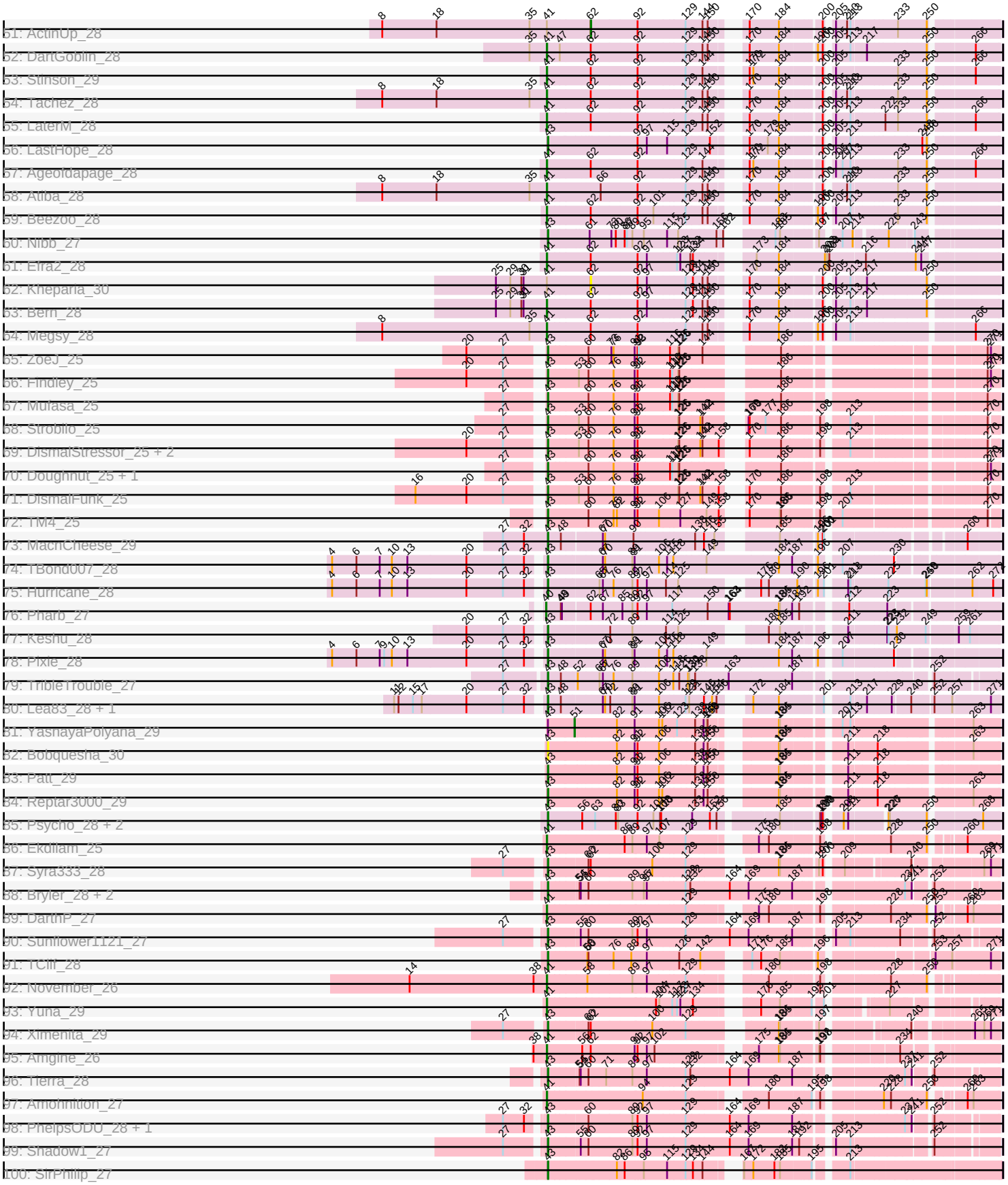
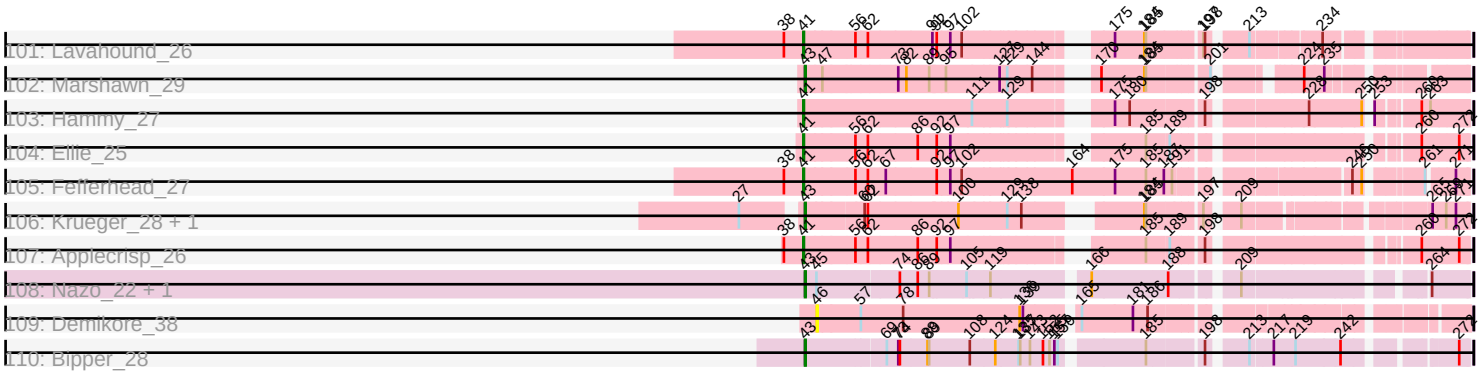
Pham 347277


1: Gail_32
2: SororFago_32
3: Luchador_34
4: ChipMunk_34
5: KingCyrus_34
6: Settecandela_175 + 1
7: IdentityCrisis_21
8: ScoobyDoobyDoo_107
9: Flapper_49
10: GRU1_34
11: Dallipop_49
12: GTE5_36
13: Foxboro_45 + 10
14: BaghaKamala_28 + 13
15: Apocalypse_28
16: MarkPhew_28
17: Mdavu_24 + 8
18: Rapunzel97_28 + 6
19: Mururutumbu_28
20: Bella96_28
21: Sulley_28 + 1
22: ChimD_28
23: Chavito_28
24: Devera_28 + 2
25: Joy99_28 + 17
26: YoureAdopted_27
27: MeaningOfLife_28 + 1
28: Tin_28
29: McMater_28 + 4
30: CheetoDust_28
31: Trice_24 + 1
32: Adonis_28
33: TinBug_28
34: Emerson_28 + 4
35: Chris_27
36: Peanam_28
37: Angelica_28
38: KISI_27 + 2
39: TaiwanKao_29
40: TingHuaYa_28
41: TreyKay_28 + 2
42: JAWS_28 + 2
43: Anma_28 + 3
44: LeMond_27
45: Anaya_29
46: Pisa4_27 + 1
47: Guanica15_28 + 1
48: Validus_28
49: MacKat_28 + 1
50: Ganymede_29 + 1

Pham 347277


51: ActinOp_28
52: DartGoblin_28
53: Stinson_29
54: Tachez_28
55: LaterM_28
56: LastHope_28
57: Ageoldapage_28
58: Atiba_28
59: Beezoo_28
60: Nibb_27
61: Efra2_28
62: Kheparia_30
63: Bern_28
64: Megsy_28
65: ZoeJ_25
66: Findley_25
67: Mufasa_25
68: Strobilo_25
69: DismalStressor_25 + 2
70: Doughnut_25 + 1
71: DismalFunk_25
72: TM4_25
73: MachCheese_29
74: TBond007_28
75: Hurricane_28
76: Pharb_27
77: Keshu_28
78: Pixie_28
79: TribleTrouble_27
80: Lea83_28 + 1
81: YashayaPolyana_29
82: Bobquesha_30
83: Patt_29
84: Reptar3000_29
85: Psycho_28 + 2
86: Ekollam_25
87: Syra333_28
88: Bryler_28 + 2
89: DarthP_27
90: Sunflower1121_27
91: TCill_28
92: November_26
93: Yuna_29
94: Ximenita_29
95: Amgine_26
96: Tierra_28
97: Amonnition_27
98: PhelpsODO_28 + 1
99: Shadow1_27
100: SirPhilip_27

Pham 347277


101: Lavahound_26
102: Marshawn_29
103: Hammy_27
104: Ellie_25
105: Fellemead_27
106: Krueger_28 + 1
107: Applecrisp_26
108: Nazo_22 + 1
109: Demikore_38
110: Bipper_28

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 347277 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347277 has 202 members, 13 are drafts.

Phages represented in each track:
- Track 1 : Gail_32
- Track 2 : SororFago_32
- Track 3 : Luchador_34
- Track 4 : ChipMunk_34
- Track 5 : KingCyrus_34
- Track 6 : Settecandela_175, Phrappuccino_175
- Track 7 : IdentityCrisis_21
- Track 8 : ScoobyDoobyDoo_107
- Track 9 : Flapper_49
- Track 10 : GRU1_34
- Track 11 : Dalilpop_49
- Track 12 : GTE5_36
- Track 13 : Foxboro_45, Kurt_44, KidneyBean_44, NovumRegina_44, Emianna_44, Jifall16_43, Tracker_44, NatB6_44, GrootJr_46, Wheezy_44, Phomeo_43
- Track 14 : BaghaKamala_28, Durfee_28, Piatt_28, Boiiii_28, Padfoot_28, Asayake_28, AlishaPH_28, Blizzard_28, BEEST_28, CaseJules_28, ShiaSurprise_28, Hyperbowlee_28, Pokerus_27, Homura_28
- Track 15 : Apocalypse_28
- Track 16 : MarkPhew_28
- Track 17 : Mdavu_24, Enkosi_24, Nikao_24, Biglebops_24, LilPharaoh_24, Amelie_24, SgtBeansprout_24, Torres_24, Nutello_24
- Track 18 : Rapunzel97_28, Slimphazie_28, HedwigODU_28, Jayhawk_28, Veliki_28, Zabiza_28, Adephagia_28
- Track 19 : Murucutumbu_28
- Track 20 : Bella96_28
- Track 21 : Sulley_28, Deby_28
- Track 22 : CrimD_28
- Track 23 : Chavito_28
- Track 24 : Devera_28, Dole_28, Illumine_28
- Track 25 : Joy99_28, Belladonna_28, Peel_28, Topper_28, Dalmuri_28, Jeckyll_28, Capricorn_28, BGlluviae_28, CREW_28, CallaLilly_28, Lokum_28, Jarvi_28, Spock_28, Rosmarinus_28, Twitch_28, Inky_28, Lunahalos_28, Llorens_28
- Track 26 : YoureAdopted_27
- Track 27 : MeaningOfLife_28, Geraldini_28
- Track 28 : Tiri_28
- Track 29 : McMater_28, Shaobing_28, Dartin_28, Richo_28, Niklas_28
- Track 30 : CheetoDust_28

- Track 31 : Trice_24, Teejan_24
- Track 32 : Adonis_28
- Track 33 : TiniBug_28
- Track 34 : Emerson_28, Zavala_28, Mynx_28, Padpat_28, TruffulaTree_28
- Track 35 : Chris_27
- Track 36 : Peanam_28
- Track 37 : Angelica_28
- Track 38 : KiSi_27, Oscar_27, Scarlett_27
- Track 39 : TaiwanKao_29
- Track 40 : TingHuaYa_28
- Track 41 : TreyKay_28, Prithvi_28, LindNT_28
- Track 42 : JAWS_28, BarrelRoll_28, Ramen_28
- Track 43 : Anma_28, DrHayes_28, Urkel_28, SamuelLPlaqson_28
- Track 44 : LeMond_27
- Track 45 : Anaya_29
- Track 46 : Pisa4_27, Pisa1_27
- Track 47 : Guanica15_28, Yunkel11_28
- Track 48 : Validus_28
- Track 49 : MacKat_28, Clipper_28
- Track 50 : Ganymede_29, QuincyRose_27
- Track 51 : ActinUp_28
- Track 52 : DartGoblin_28
- Track 53 : Stinson_29
- Track 54 : Tachez_28
- Track 55 : LaterM_28
- Track 56 : LastHope_28
- Track 57 : Ageofdapage_28
- Track 58 : Atiba_28
- Track 59 : Beezoo_28
- Track 60 : Nibb_27
- Track 61 : Efra2_28
- Track 62 : Kheparia_30
- Track 63 : Bern_28
- Track 64 : Megsy_28
- Track 65 : ZoeJ_25
- Track 66 : Findley_25
- Track 67 : Mufasa_25
- Track 68 : Strobilo_25
- Track 69 : DismalStressor_25, Milly_25, Marcoliusprime_25
- Track 70 : Doughnut_25, BoostSeason_25
- Track 71 : DismalFunk_25
- Track 72 : TM4_25
- Track 73 : MacnCheese_29
- Track 74 : TBond007_28
- Track 75 : Hurricane_28
- Track 76 : Pharb_27
- Track 77 : Keshu_28
- Track 78 : Pixie_28
- Track 79 : TribleTrouble_27
- Track 80 : Lea83_28, ShedlockHolmes_28
- Track 81 : YasnayaPolyana_29
- Track 82 : Bobquesha_30
- Track 83 : Patt_29

• Track 84 : Reptar3000_29
• Track 85 : Psycho_28, Dadosky_28, AlleyCat_28
• Track 86 : Ekdilam_25
• Track 87 : Syra333_28
• Track 88 : Bryler_28, Phrank_28, Cain_28
• Track 89 : DarthP_27
• Track 90 : Sunflower1121_27
• Track 91 : TClif_28
• Track 92 : November_26
• Track 93 : Yuna_29
• Track 94 : Ximenita_29
• Track 95 : Amgine_26
• Track 96 : Tierra_28
• Track 97 : Amohnition_27
• Track 98 : PhelpsODU_28, Unicorn_28
• Track 99 : Shadow1_27
• Track 100 : SirPhilip_27
• Track 101 : Lavahound_26
• Track 102 : Marshawn_29
• Track 103 : Hammy_27
• Track 104 : Ellie_25
• Track 105 : Fefferhead_27
• Track 106 : Krueger_28, Tigress9_28
• Track 107 : Applecrisp_26
• Track 108 : Nazo_22, BigNuz_22
• Track 109 : Demikore_38
• Track 110 : Bipper_28

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

The start number called the most often in the published annotations is 41, it was called in 103 of the 189 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adephagia_28, Ageofdapage_28, AlishaPH_28, Amgine_26, Amohnition_27, Angelica_28, Anma_28, Apocalypse_28, Applecrisp_26, Asayake_28, Atiba_28, BEEST_28, BGlluviae_28, BaghaKamala_28, BarrelRoll_28, Beezoo_28, Bella96_28, Belladonna_28, Bern_28, Blizzard_28, Boiiii_28, CREW_28, CallaLilly_28, Capricorn_28, CaseJules_28, CheetoDust_28, Clipper_28, CrimD_28, Dalmuri_28, DartGoblin_28, DarthP_27, Dartin_28, Deby_28, Devera_28, Dole_28, DrHayes_28, Durfee_28, Efra2_28, Ekdilam_25, Ellie_25, Emerson_28, Fefferhead_27, Ganymede_29, Geraldini_28, Guanica15_28, Hammy_27, HedwigODU_28, Homura_28, Hyperbowlee_28, Illumine_28, Inky_28, JAWS_28, Jarvi_28, Jayhawk_28, Jeckyll_28, Joy99_28, LaterM_28, Lavahound_26, LindNT_28, Llorens_28, Lokum_28, Lunahalos_28, MacKat_28, McMater_28, MeaningOfLife_28, Megsy_28, Murucutumbu_28, Mynx_28, Niklas_28, November_26, Padfoot_28, Padpat_28, Peanam_28, Peel_28, Piatt_28, Pisa1_27, Pisa4_27, Pokerus_27, Prithvi_28, QuincyRose_27, Ramen_28, Rapunzel97_28, Richo_28, Rosmarinus_28, SamuelLPlaqson_28, Shaobing_28, ShiaSurprise_28, Slimphazie_28, Spock_28, Stinson_29, Sulley_28, Tachez_28, TiniBug_28, Tiri_28, Topper_28, TreyKay_28,

TruffulaTree_28, Twitch_28, Urkel_28, Validus_28, Veliki_28, YoureAdopted_27, Yuna_29, Yunkel11_28, Zabiza_28, Zavala_28,

Genes that have the "Most Annotated" start but do not call it:
• ActinUp_28, Adonis_28, Anaya_29, Kheparia_30, TaiwanKao_29,

Genes that do not have the "Most Annotated" start:
• AlleyCat_28, Amelie_24, BigNuz_22, Biglebops_24, Bipper_28, Bobquesha_30, BoostSeason_25, Bryler_28, Cain_28, Chavito_28, ChipMunk_34, Chris_27, Dadosky_28, Dalilpop_49, Demikore_38, DismalFunk_25, DismalStressor_25, Doughnut_25, Emianna_44, Enkosi_24, Findley_25, Flapper_49, Foxboro_45, GRU1_34, GTE5_36, Gail_32, GrootJr_46, Hurricane_28, IdentityCrisis_21, Jifall16_43, Keshu_28, KiSi_27, KidneyBean_44, KingCyrus_34, Krueger_28, Kurt_44, LastHope_28, LeMond_27, Lea83_28, LilPharaoh_24, Luchador_34, MacnCheese_29, Marcoliusprime_25, MarkPhew_28, Marshawn_29, Mdavu_24, Milly_25, Mufasa_25, NatB6_44, Nazo_22, Nibb_27, Nikao_24, NovumRegina_44, Nutello_24, Oscar_27, Patt_29, Pharb_27, PhelpsODU_28, Phomeo_43, Phrank_28, Phrappuccino_175, Pixie_28, Psycho_28, Reptar3000_29, Scarlett_27, ScoobyDoobyDoo_107, Settecandela_175, SgtBeansprout_24, Shadow1_27, ShedlockHolmes_28, SirPhilip_27, SororFago_32, Strobilo_25, Sunflower1121_27, Syra333_28, TBond007_28, TClif_28, TM4_25, Teejan_24, Tierra_28, Tigress9_28, TingHuaYa_28, Torres_24, Tracker_44, TribleTrouble_27, Trice_24, Unicorn_28, Wheezy_44, Ximenita_29, YasnayaPolyana_29, ZoeJ_25,

Summary by start number:

Start 21:
• Found in 1 of 202 (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: Chavito_28 (K1),

Start 37:
• Found in 11 of 202 (5.4%) of genes in pham
• No Manual Annotations of this start.
• Called 18.2% of time when present
• Phage (with cluster) where this start called: Teejan_24 (K1), Trice_24 (K1),

Start 40:
• Found in 1 of 202 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 189
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pharb_27 (K3),

Start 41:
• Found in 111 of 202 (55.0%) of genes in pham
• Manual Annotations of this start: 103 of 189
• Called 95.5% of time when present
• Phage (with cluster) where this start called: Adephagia_28 (K1), Ageofdapage_28 (K1), AlishaPH_28 (K1), Amgine_26 (K6), Amohnition_27 (K6), Angelica_28 (K1), Anma_28 (K1), Apocalypse_28 (K1), Applecrisp_26 (K6), Asayake_28 (K1), Atiba_28 (K1), BEEST_28 (K1), BGlluviae_28 (K1), BaghaKamala_28 (K1), BarrelRoll_28 (K1), Beezoo_28 (K1), Bella96_28 (K1), Belladonna_28 (K1), Bern_28 (K1), Blizzard_28

(K1), Boiiii_28 (K1), CREW_28 (K1), CallaLilly_28 (K1), Capricorn_28 (K1), CaseJules_28 (K1), CheetoDust_28 (K1), Clipper_28 (K1), CrimD_28 (K1), Dalmuri_28 (K1), DartGoblin_28 (K1), DarthP_27 (K6), Dartin_28 (K1), Deby_28 (K1), Devera_28 (K1), Dole_28 (K1), DrHayes_28 (K1), Durfee_28 (K1), Efra2_28 (K1), Ekdilam_25 (K6), Ellie_25 (K6), Emerson_28 (K1), Fefferhead_27 (K6), Ganymede_29 (K1), Geraldini_28 (K1), Guanica15_28 (K1), Hammy_27 (K6), HedwigODU_28 (K1), Homura_28 (K1), Hyperbowlee_28 (K1), Illumine_28 (K1), Inky_28 (K1), JAWS_28 (K1), Jarvi_28 (K1), Jayhawk_28 (K1), Jeckyll_28 (K1), Joy99_28 (K1), LaterM_28 (K1), Lavahound_26 (K6), LindNT_28 (K1), Llorens_28 (K1), Lokum_28 (K1), Lunahalos_28 (K1), MacKat_28 (K1), McMater_28 (K1), MeaningOfLife_28 (K1), Megsy_28 (K1), Murucutumbu_28 (K1), Mynx_28 (K1), Niklas_28 (K1), November_26 (K6), Padfoot_28 (K1), Padpat_28 (K1), Peanam_28 (K1), Peel_28 (K1), Piatt_28 (K1), Pisa1_27 (K1), Pisa4_27 (K1), Pokerus_27 (K1), Prithvi_28 (K1), QuincyRose_27 (K1), Ramen_28 (K1), Rapunzel97_28 (K1), Richo_28 (K1), Rosmarinus_28 (K1), SamuelLPlaqson_28 (K1), Shaobing_28 (K1), ShiaSurprise_28 (K1), Slimphazie_28 (K1), Spock_28 (K1), Stinson_29 (K1), Sulley_28 (K1), Tachez_28 (K1), TiniBug_28 (K1), Tiri_28 (K1), Topper_28 (K1), TreyKay_28 (K1), TruffulaTree_28 (K1), Twitch_28 (K1), Urkel_28 (K1), Validus_28 (K1), Veliki_28 (K1), YoureAdopted_27 (K1), Yuna_29 (K6), Yunkel11_28 (K1), Zabiza_28 (K1), Zavala_28 (K1),

Start 42:
• Found in 4 of 202 (2.0%) of genes in pham
• Manual Annotations of this start: 4 of 189
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KiSi_27 (K1), LeMond_27 (K1), Oscar_27 (K1), Scarlett_27 (K1),

Start 43:
• Found in 65 of 202 (32.2%) of genes in pham
• Manual Annotations of this start: 58 of 189
• Called 95.4% of time when present
• Phage (with cluster) where this start called: AlleyCat_28 (K5), Amelie_24 (K1), BigNuz_22 (P4), Biglebops_24 (K1), Bipper_28 (Y), Bobquesha_30 (K4), BoostSeason_25 (K2), Bryler_28 (K6), Cain_28 (K6), Chris_27 (K1), Dadosky_28 (K5), Dalilpop_49 (CR1), DismalFunk_25 (K2), DismalStressor_25 (K2), Doughnut_25 (K2), Enkosi_24 (K1), Findley_25 (K2), Flapper_49 (CR1), GRU1_34 (CR1), GTE5_36 (CR1), Hurricane_28 (K3), IdentityCrisis_21 (AJ), Keshu_28 (K3), Krueger_28 (K6), LastHope_28 (K1), Lea83_28 (K3), LilPharaoh_24 (K1), MacnCheese_29 (K3), Marcoliusprime_25 (K2), MarkPhew_28 (K1), Marshawn_29 (K6), Mdavu_24 (K1), Milly_25 (K2), Mufasa_25 (K2), Nazo_22 (P4), Nibb_27 (K1), Nikao_24 (K1), Nutello_24 (K1), Patt_29 (K4), PhelpsODU_28 (K6), Phrank_28 (K6), Pixie_28 (K3), Psycho_28 (K5), Reptar3000_29 (K4), SgtBeansprout_24 (K1), Shadow1_27 (K6), ShedlockHolmes_28 (K3), SirPhilip_27 (K6), Strobilo_25 (K2), Sunflower1121_27 (K6), Syra333_28 (K6), TBond007_28 (K3), TClif_28 (K6), TM4_25 (K2), Tierra_28 (K6), Tigress9_28 (K6), TingHuaYa_28 (K1), Torres_24 (K1), TribleTrouble_27 (K3), Unicorn_28 (K6), Ximenita_29 (K6), ZoeJ_25 (K2),

Start 44:
• Found in 18 of 202 (8.9%) of genes in pham
• Manual Annotations of this start: 11 of 189
• Called 61.1% of time when present

• Phage (with cluster) where this start called: Emianna_44 (CR2), Foxboro_45 (CR2), GrootJr_46 (CR2), Jifall16_43 (CR2), KidneyBean_44 (CR2), Kurt_44 (CR2), NatB6_44 (CR2), NovumRegina_44 (CR2), Phomeo_43 (CR2), Tracker_44 (CR2), Wheezy_44 (CR2),

Start 46:
• Found in 1 of 202 (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: Demikore_38 (U),

Start 51:
• Found in 1 of 202 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 189
• Called 100.0% of time when present
• Phage (with cluster) where this start called: YasnayaPolyana_29 (K4),

Start 62:
• Found in 85 of 202 (42.1%) of genes in pham
• Manual Annotations of this start: 8 of 189
• Called 11.8% of time when present
• Phage (with cluster) where this start called: ActinUp_28 (K1), Adonis_28 (K1), Anaya_29 (K1), ChipMunk_34 (A2), Gail_32 (A14), Kheparia_30 (K1), KingCyrus_34 (A2), Luchador_34 (A14), SororFago_32 (A14), TaiwanKao_29 (K1),

Start 64:
• Found in 2 of 202 (1.0%) of genes in pham
• Manual Annotations of this start: 1 of 189
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ScoobyDoobyDoo_107 (C2),

Start 81:
• Found in 2 of 202 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 189
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrappuccino_175 (AA), Settecandela_175 (AA),

Summary by clusters:

There are 16 clusters represented in this pham: CR2, AA, CR1, P4, A14, AJ, K3, K2, K1, A2, U, K6, K5, K4, Y, C2,

Info for manual annotations of cluster A14:
•Start number 62 was manually annotated 3 times for cluster A14.

Info for manual annotations of cluster A2:
•Start number 62 was manually annotated 2 times for cluster A2.

Info for manual annotations of cluster AA:
•Start number 81 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster AJ:

•Start number 43 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster C2:
•Start number 64 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CR1:
•Start number 43 was manually annotated 2 times for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 44 was manually annotated 11 times for cluster CR2.

Info for manual annotations of cluster K1:
•Start number 41 was manually annotated 92 times for cluster K1.
•Start number 42 was manually annotated 4 times for cluster K1.
•Start number 43 was manually annotated 13 times for cluster K1.
•Start number 62 was manually annotated 3 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 43 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 40 was manually annotated 1 time for cluster K3.
•Start number 43 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 43 was manually annotated 2 times for cluster K4.
•Start number 51 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:
•Start number 43 was manually annotated 3 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 41 was manually annotated 11 times for cluster K6.
•Start number 43 was manually annotated 15 times for cluster K6.

Info for manual annotations of cluster P4:
•Start number 43 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster Y:
•Start number 43 was manually annotated 1 time for cluster Y.

Gene Information:

Gene: ActinUp_28 Start: 23436, Stop: 24338, Start Num: 62
Candidate Starts for ActinUp_28:
(8, 22881), (18, 23028), (35, 23280), (Start: 41 @23325 has 103 MA's), (Start: 62 @23436 has 8 MA's), (92, 23550), (129, 23667), (144, 23709), (150, 23721), (170, 23775), (184, 23853), (200, 23949), (205, 23961), (210, 23991), (213, 24000), (233, 24114), (250, 24183),

Gene: Adephagia_28 Start: 23322, Stop: 24335, Start Num: 41

Candidate Starts for Adephagia_28:
(8, 22878), (18, 23025), (35, 23277), (Start: 41 @23322 has 103 MA's), (Start: 62 @23433 has 8 MA's), (92, 23547), (129, 23664), (144, 23706), (150, 23718), (170, 23772), (184, 23850), (200, 23946), (205, 23958), (210, 23988), (213, 23997), (233, 24111), (250, 24180),

Gene: Adonis_28 Start: 23439, Stop: 24341, Start Num: 62
Candidate Starts for Adonis_28:
(8, 22884), (35, 23283), (Start: 41 @23328 has 103 MA's), (Start: 62 @23439 has 8 MA's), (92, 23553), (129, 23670), (144, 23712), (150, 23724), (170, 23778), (184, 23856), (196, 23940), (200, 23952), (205, 23964), (213, 24003), (233, 24117), (250, 24186),

Gene: Ageofdapage_28 Start: 23272, Stop: 24285, Start Num: 41
Candidate Starts for Ageofdapage_28:
(Start: 41 @23272 has 103 MA's), (Start: 62 @23383 has 8 MA's), (92, 23497), (129, 23614), (144, 23656), (170, 23722), (172, 23731), (184, 23800), (200, 23896), (205, 23908), (207, 23926), (213, 23947), (233, 24061), (250, 24130), (266, 24226),

Gene: AlishaPH_28 Start: 23315, Stop: 24328, Start Num: 41
Candidate Starts for AlishaPH_28:
(8, 22871), (35, 23270), (Start: 41 @23315 has 103 MA's), (Start: 62 @23426 has 8 MA's), (92, 23540), (129, 23657), (144, 23699), (150, 23711), (170, 23765), (184, 23843), (200, 23939), (205, 23951), (210, 23981), (213, 23990), (233, 24104), (250, 24173),

Gene: AlleyCat_28 Start: 24010, Stop: 25074, Start Num: 43
Candidate Starts for AlleyCat_28:
(Start: 43 @24010 has 58 MA's), (56, 24100), (63, 24130), (80, 24184), (83, 24190), (92, 24238), (101, 24277), (108, 24295), (110, 24298), (133, 24379), (152, 24427), (156, 24445), (185, 24586), (198, 24676), (199, 24679), (200, 24682), (208, 24715), (211, 24727), (226, 24814), (227, 24817), (250, 24913), (268, 25030),

Gene: Amelie_24 Start: 22900, Stop: 23907, Start Num: 43
Candidate Starts for Amelie_24:
(34, 22849), (37, 22861), (Start: 43 @22900 has 58 MA's), (50, 22960), (67, 23032), (86, 23086), (89, 23107), (129, 23236), (145, 23281), (148, 23284), (169, 23341), (170, 23344), (178, 23389), (185, 23425), (200, 23521), (205, 23533), (221, 23653), (256, 23785),

Gene: Amgine_26 Start: 23356, Stop: 24351, Start Num: 41
Candidate Starts for Amgine_26:
(38, 23320), (Start: 41 @23356 has 103 MA's), (56, 23446), (Start: 62 @23467 has 8 MA's), (91, 23575), (92, 23581), (97, 23602), (102, 23623), (175, 23830), (184, 23884), (185, 23887), (197, 23971), (198, 23974), (234, 24139),

Gene: Amohnition_27 Start: 23778, Stop: 24782, Start Num: 41
Candidate Starts for Amohnition_27:
(Start: 41 @23778 has 103 MA's), (94, 24015), (129, 24120), (180, 24279), (195, 24381), (198, 24393), (220, 24528), (228, 24546), (250, 24639), (260, 24705), (263, 24717),

Gene: Anaya_29 Start: 23452, Stop: 24354, Start Num: 62
Candidate Starts for Anaya_29:
(8, 22897), (35, 23296), (Start: 41 @23341 has 103 MA's), (Start: 62 @23452 has 8 MA's), (92, 23566), (129, 23683), (144, 23725), (150, 23737), (170, 23791), (184, 23869), (200, 23965), (205, 23977), (210, 24007), (213, 24016), (233, 24130), (250, 24199),

Gene: Angelica_28 Start: 23290, Stop: 24303, Start Num: 41
Candidate Starts for Angelica_28:
(Start: 41 @23290 has 103 MA's), (Start: 62 @23401 has 8 MA's), (92, 23515), (129, 23632), (150, 23686), (155, 23704), (170, 23740), (184, 23818), (200, 23914), (205, 23926), (210, 23956), (213, 23965), (233, 24079), (250, 24148),

Gene: Anma_28 Start: 23284, Stop: 24297, Start Num: 41
Candidate Starts for Anma_28:
(35, 23239), (Start: 41 @23284 has 103 MA's), (Start: 62 @23395 has 8 MA's), (92, 23509), (129, 23626), (144, 23668), (150, 23680), (170, 23734), (184, 23812), (200, 23908), (205, 23920), (213, 23959), (217, 23995), (250, 24142), (266, 24238),

Gene: Apocalypse_28 Start: 23293, Stop: 24306, Start Num: 41
Candidate Starts for Apocalypse_28:
(Start: 41 @23293 has 103 MA's), (Start: 62 @23404 has 8 MA's), (92, 23518), (129, 23635), (144, 23677), (150, 23689), (170, 23743), (184, 23821), (200, 23917), (205, 23929), (213, 23968), (228, 24064), (233, 24082), (250, 24151),

Gene: Applecrisp_26 Start: 23767, Stop: 24774, Start Num: 41
Candidate Starts for Applecrisp_26:
(38, 23731), (Start: 41 @23767 has 103 MA's), (56, 23857), (Start: 62 @23878 has 8 MA's), (86, 23959), (92, 23992), (97, 24013), (185, 24298), (189, 24337), (198, 24382), (260, 24697), (272, 24757),

Gene: Asayake_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Asayake_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (Start: 62 @23467 has 8 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (205, 23992), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Atiba_28 Start: 23285, Stop: 24298, Start Num: 41
Candidate Starts for Atiba_28:
(8, 22841), (18, 22988), (35, 23240), (Start: 41 @23285 has 103 MA's), (66, 23417), (92, 23510), (129, 23627), (144, 23669), (150, 23681), (170, 23735), (184, 23813), (200, 23909), (210, 23951), (213, 23960), (233, 24074), (250, 24143),

Gene: BEEST_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for BEEST_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (Start: 62 @23467 has 8 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (205, 23992), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: BGlluviae_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for BGlluviae_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: BaghaKamala_28 Start: 23285, Stop: 24298, Start Num: 41
Candidate Starts for BaghaKamala_28:
(8, 22841), (35, 23240), (Start: 41 @23285 has 103 MA's), (Start: 62 @23396 has 8 MA's), (92, 23510), (129, 23627), (144, 23669), (150, 23681), (170, 23735), (184, 23813), (200, 23909), (205, 23921), (210, 23951), (213, 23960), (233, 24074), (250, 24143),

Gene: BarrelRoll_28 Start: 23308, Stop: 24321, Start Num: 41
Candidate Starts for BarrelRoll_28:
(8, 22864), (35, 23263), (Start: 41 @23308 has 103 MA's), (Start: 62 @23419 has 8 MA's), (92, 23533), (129, 23650), (144, 23692), (150, 23704), (170, 23758), (184, 23836), (200, 23932), (210, 23974), (213, 23983), (233, 24097), (250, 24166),

Gene: Beezoo_28 Start: 23333, Stop: 24346, Start Num: 41
Candidate Starts for Beezoo_28:
(Start: 41 @23333 has 103 MA's), (Start: 62 @23444 has 8 MA's), (92, 23558), (101, 23597), (129, 23675), (144, 23717), (150, 23729), (170, 23783), (184, 23861), (196, 23945), (200, 23957), (205, 23969), (213, 24008), (233, 24122), (250, 24191),

Gene: Bella96_28 Start: 23266, Stop: 24279, Start Num: 41
Candidate Starts for Bella96_28:
(35, 23221), (Start: 41 @23266 has 103 MA's), (47, 23299), (Start: 62 @23377 has 8 MA's), (92, 23491), (129, 23608), (144, 23650), (150, 23662), (170, 23716), (184, 23794), (196, 23878), (200, 23890), (205, 23902), (206, 23914), (213, 23941), (217, 23977), (250, 24124), (266, 24220),

Gene: Belladonna_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Belladonna_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Bern_28 Start: 23278, Stop: 24291, Start Num: 41
Candidate Starts for Bern_28:
(25, 23140), (29, 23179), (30, 23209), (31, 23215), (Start: 41 @23278 has 103 MA's), (Start: 62 @23389 has 8 MA's), (92, 23503), (97, 23524), (129, 23620), (134, 23638), (144, 23662), (150, 23674), (170, 23728), (184, 23806), (200, 23902), (205, 23914), (213, 23953), (217, 23989), (250, 24136),

Gene: BigNuz_22 Start: 21497, Stop: 22546, Start Num: 43
Candidate Starts for BigNuz_22:
(Start: 43 @21497 has 58 MA's), (45, 21518), (74, 21659), (86, 21689), (89, 21710), (105, 21773), (119, 21812), (166, 21971), (188, 22103), (209, 22199), (264, 22484),

Gene: Biglebops_24 Start: 22900, Stop: 23907, Start Num: 43
Candidate Starts for Biglebops_24:
(34, 22849), (37, 22861), (Start: 43 @22900 has 58 MA's), (50, 22960), (67, 23032), (86, 23086), (89, 23107), (129, 23236), (145, 23281), (148, 23284), (169, 23341), (170, 23344), (178, 23389), (185, 23425), (200, 23521), (205, 23533), (221, 23653), (256, 23785),

Gene: Bipper_28 Start: 26155, Stop: 27216, Start Num: 43
Candidate Starts for Bipper_28:
(Start: 43 @26155 has 58 MA's), (69, 26293), (73, 26314), (74, 26317), (88, 26365), (89, 26368), (108, 26443), (124, 26488), (135, 26530), (137, 26533), (143, 26551), (152, 26575), (155, 26587), (157, 26596), (159, 26602), (185, 26734), (198, 26824), (213, 26881), (217, 26917), (219, 26956), (242, 27037), (272, 27199),

Gene: Blizzard_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Blizzard_28:

(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (Start: 62 @23467 has 8 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (205, 23992), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Bobquesha_30 Start: 24333, Stop: 25337, Start Num: 43
Candidate Starts for Bobquesha_30:
(Start: 43 @24333 has 58 MA's), (82, 24501), (91, 24546), (92, 24552), (106, 24606), (138, 24696), (145, 24717), (150, 24726), (184, 24858), (185, 24861), (211, 24999), (218, 25068), (263, 25272),

Gene: Boiiii_28 Start: 23358, Stop: 24371, Start Num: 41
Candidate Starts for Boiiii_28:
(8, 22914), (35, 23313), (Start: 41 @23358 has 103 MA's), (Start: 62 @23469 has 8 MA's), (92, 23583), (129, 23700), (144, 23742), (150, 23754), (170, 23808), (184, 23886), (200, 23982), (205, 23994), (210, 24024), (213, 24033), (233, 24147), (250, 24216),

Gene: BoostSeason_25 Start: 21308, Stop: 22333, Start Num: 43
Candidate Starts for BoostSeason_25:
(27, 21224), (Start: 43 @21308 has 58 MA's), (60, 21413), (76, 21473), (91, 21527), (92, 21533), (116, 21614), (117, 21620), (125, 21635), (126, 21638), (186, 21842), (270, 22301), (271, 22310),

Gene: Bryler_28 Start: 22694, Stop: 23755, Start Num: 43
Candidate Starts for Bryler_28:
(Start: 43 @22694 has 58 MA's), (54, 22772), (55, 22775), (60, 22793), (89, 22901), (95, 22928), (97, 22934), (129, 23030), (132, 23042), (164, 23144), (169, 23195), (187, 23312), (237, 23555), (241, 23573), (252, 23612),

Gene: CREW_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for CREW_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Cain_28 Start: 22682, Stop: 23743, Start Num: 43
Candidate Starts for Cain_28:
(Start: 43 @22682 has 58 MA's), (54, 22760), (55, 22763), (60, 22781), (89, 22889), (95, 22916), (97, 22922), (129, 23018), (132, 23030), (164, 23132), (169, 23183), (187, 23300), (237, 23543), (241, 23561), (252, 23600),

Gene: CallaLilly_28 Start: 23279, Stop: 24292, Start Num: 41
Candidate Starts for CallaLilly_28:
(8, 22835), (35, 23234), (Start: 41 @23279 has 103 MA's), (92, 23504), (129, 23621), (144, 23663), (150, 23675), (170, 23729), (184, 23807), (200, 23903), (210, 23945), (213, 23954), (233, 24068), (250, 24137),

Gene: Capricorn_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Capricorn_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: CaseJules_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for CaseJules_28:

(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (Start: 62 @23467 has 8 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (205, 23992), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Chavito_28 Start: 22750, Stop: 24003, Start Num: 21
Candidate Starts for Chavito_28:
(21, 22750), (22, 22756), (28, 22858), (36, 22921), (39, 22939), (Start: 62 @23074 has 8 MA's), (Start: 64 @23089 has 1 MA's), (72, 23125), (89, 23182), (91, 23188), (132, 23323), (140, 23341), (156, 23389), (168, 23407), (186, 23503), (198, 23584), (201, 23593), (210, 23632), (211, 23635), (251, 23833), (270, 23968),

Gene: CheetoDust_28 Start: 23333, Stop: 24346, Start Num: 41
Candidate Starts for CheetoDust_28:
(8, 22889), (35, 23288), (Start: 41 @23333 has 103 MA's), (66, 23465), (92, 23558), (129, 23675), (144, 23717), (150, 23729), (170, 23783), (184, 23861), (200, 23957), (210, 23999), (213, 24008), (233, 24122), (250, 24191),

Gene: ChipMunk_34 Start: 25662, Stop: 26558, Start Num: 62
Candidate Starts for ChipMunk_34:
(Start: 62 @25662 has 8 MA's), (128, 25893), (150, 25956), (152, 25962), (174, 26034), (184, 26088), (254, 26424),

Gene: Chris_27 Start: 22610, Stop: 23596, Start Num: 43
Candidate Starts for Chris_27:
(Start: 43 @22610 has 58 MA's), (61, 22715), (80, 22778), (86, 22799), (92, 22832), (95, 22847), (115, 22907), (149, 23000), (162, 23039), (185, 23138), (193, 23189), (207, 23261), (213, 23282), (228, 23363), (255, 23465),

Gene: Clipper_28 Start: 23333, Stop: 24346, Start Num: 41
Candidate Starts for Clipper_28:
(8, 22889), (35, 23288), (Start: 41 @23333 has 103 MA's), (Start: 62 @23444 has 8 MA's), (92, 23558), (129, 23675), (144, 23717), (150, 23729), (170, 23783), (184, 23861), (196, 23945), (200, 23957), (205, 23969), (210, 23999), (213, 24008), (233, 24122), (250, 24191),

Gene: CrimD_28 Start: 23294, Stop: 24307, Start Num: 41
Candidate Starts for CrimD_28:
(Start: 41 @23294 has 103 MA's), (Start: 62 @23405 has 8 MA's), (92, 23519), (129, 23636), (144, 23678), (150, 23690), (170, 23744), (184, 23822), (196, 23906), (200, 23918), (205, 23930), (213, 23969), (266, 24248),

Gene: Dadosky_28 Start: 24011, Stop: 25075, Start Num: 43
Candidate Starts for Dadosky_28:
(Start: 43 @24011 has 58 MA's), (56, 24101), (63, 24131), (80, 24185), (83, 24191), (92, 24239), (101, 24278), (108, 24296), (110, 24299), (133, 24380), (152, 24428), (156, 24446), (185, 24587), (198, 24677), (199, 24680), (200, 24683), (208, 24716), (211, 24728), (226, 24815), (227, 24818), (250, 24914), (268, 25031),

Gene: Dalilpop_49 Start: 37250, Stop: 38311, Start Num: 43
Candidate Starts for Dalilpop_49:
(Start: 43 @37250 has 58 MA's), (60, 37358), (72, 37409), (84, 37436), (93, 37481), (113, 37544), (141, 37628), (150, 37649), (152, 37655), (159, 37682), (160, 37685), (195, 37910), (271, 38285),

Gene: Dalmuri_28 Start: 23356, Stop: 24369, Start Num: 41

Candidate Starts for Dalmuri_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: DartGoblin_28 Start: 23263, Stop: 24276, Start Num: 41
Candidate Starts for DartGoblin_28:
(35, 23218), (Start: 41 @23263 has 103 MA's), (47, 23296), (Start: 62 @23374 has 8 MA's), (92, 23488), (129, 23605), (144, 23647), (150, 23659), (170, 23713), (184, 23791), (196, 23875), (200, 23887), (205, 23899), (213, 23938), (217, 23974), (250, 24121), (266, 24217),

Gene: DarthP_27 Start: 23700, Stop: 24704, Start Num: 41
Candidate Starts for DarthP_27:
(Start: 41 @23700 has 103 MA's), (129, 24042), (175, 24174), (180, 24201), (198, 24315), (228, 24468), (250, 24561), (253, 24564), (260, 24627), (263, 24639),

Gene: Dartin_28 Start: 22728, Stop: 23693, Start Num: 41
Candidate Starts for Dartin_28:
(Start: 41 @22728 has 103 MA's), (Start: 44 @22734 has 11 MA's), (72, 22887), (82, 22905), (86, 22923), (92, 22956), (102, 22998), (125, 23058), (129, 23073), (184, 23259), (185, 23262), (195, 23334), (213, 23403), (219, 23451), (224, 23466), (235, 23499), (245, 23538), (265, 23637),

Gene: Deby_28 Start: 23290, Stop: 24303, Start Num: 41
Candidate Starts for Deby_28:
(Start: 41 @23290 has 103 MA's), (Start: 62 @23401 has 8 MA's), (92, 23515), (129, 23632), (150, 23686), (170, 23740), (184, 23818), (200, 23914), (205, 23926), (210, 23956), (213, 23965), (233, 24079), (250, 24148),

Gene: Demikore_38 Start: 32041, Stop: 33081, Start Num: 46
Candidate Starts for Demikore_38:
(46, 32041), (57, 32119), (78, 32197), (136, 32410), (139, 32416), (165, 32494), (181, 32587), (186, 32614),

Gene: Devera_28 Start: 23337, Stop: 24350, Start Num: 41
Candidate Starts for Devera_28:
(Start: 41 @23337 has 103 MA's), (Start: 62 @23448 has 8 MA's), (63, 23457), (92, 23562), (121, 23658), (129, 23679), (144, 23721), (150, 23733), (170, 23787), (184, 23865), (200, 23961), (205, 23973), (213, 24012), (233, 24126), (250, 24195), (266, 24291),

Gene: DismalFunk_25 Start: 21282, Stop: 22277, Start Num: 43
Candidate Starts for DismalFunk_25:
(16, 20961), (20, 21099), (27, 21198), (Start: 43 @21282 has 58 MA's), (53, 21363), (60, 21387), (76, 21447), (91, 21501), (92, 21507), (125, 21609), (126, 21612), (142, 21660), (144, 21666), (158, 21708), (170, 21732), (186, 21816), (198, 21900), (213, 21957), (270, 22254),

Gene: DismalStressor_25 Start: 21282, Stop: 22277, Start Num: 43
Candidate Starts for DismalStressor_25:
(20, 21099), (27, 21198), (Start: 43 @21282 has 58 MA's), (53, 21363), (60, 21387), (76, 21447), (91, 21501), (92, 21507), (125, 21609), (126, 21612), (142, 21660), (144, 21666), (158, 21708), (170, 21732), (186, 21816), (198, 21900), (213, 21957), (270, 22254),

Gene: Dole_28 Start: 23339, Stop: 24352, Start Num: 41
Candidate Starts for Dole_28:

(Start: 41 @23339 has 103 MA's), (Start: 62 @23450 has 8 MA's), (63, 23459), (92, 23564), (121, 23660), (129, 23681), (144, 23723), (150, 23735), (170, 23789), (184, 23867), (200, 23963), (205, 23975), (213, 24014), (233, 24128), (250, 24197), (266, 24293),

Gene: Doughnut_25 Start: 21302, Stop: 22327, Start Num: 43
Candidate Starts for Doughnut_25:
(27, 21218), (Start: 43 @21302 has 58 MA's), (60, 21407), (76, 21467), (91, 21521), (92, 21527), (116, 21608), (117, 21614), (125, 21629), (126, 21632), (186, 21836), (270, 22295), (271, 22304),

Gene: DrHayes_28 Start: 23284, Stop: 24297, Start Num: 41
Candidate Starts for DrHayes_28:
(35, 23239), (Start: 41 @23284 has 103 MA's), (Start: 62 @23395 has 8 MA's), (92, 23509), (129, 23626), (144, 23668), (150, 23680), (170, 23734), (184, 23812), (200, 23908), (205, 23920), (213, 23959), (217, 23995), (250, 24142), (266, 24238),

Gene: Durfee_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Durfee_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (Start: 62 @23467 has 8 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (205, 23992), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Efra2_28 Start: 22526, Stop: 23587, Start Num: 41
Candidate Starts for Efra2_28:
(Start: 41 @22526 has 103 MA's), (Start: 62 @22640 has 8 MA's), (92, 22754), (97, 22775), (123, 22853), (127, 22862), (132, 22883), (134, 22889), (173, 22997), (184, 23057), (202, 23177), (203, 23183), (204, 23189), (216, 23279), (244, 23405), (247, 23420),

Gene: Ekdilam_25 Start: 23459, Stop: 24463, Start Num: 41
Candidate Starts for Ekdilam_25:
(Start: 41 @23459 has 103 MA's), (86, 23651), (89, 23672), (97, 23705), (107, 23738), (129, 23801), (175, 23933), (180, 23960), (198, 24074), (228, 24227), (250, 24320), (260, 24386),

Gene: Ellie_25 Start: 23458, Stop: 24465, Start Num: 41
Candidate Starts for Ellie_25:
(Start: 41 @23458 has 103 MA's), (56, 23548), (Start: 62 @23569 has 8 MA's), (86, 23650), (92, 23683), (97, 23704), (185, 23989), (189, 24028), (260, 24388), (272, 24448),

Gene: Emerson_28 Start: 23316, Stop: 24329, Start Num: 41
Candidate Starts for Emerson_28:
(8, 22872), (35, 23271), (Start: 41 @23316 has 103 MA's), (92, 23541), (129, 23658), (144, 23700), (150, 23712), (170, 23766), (184, 23844), (200, 23940), (205, 23952), (210, 23982), (213, 23991), (233, 24105), (250, 24174),

Gene: Emianna_44 Start: 35974, Stop: 37032, Start Num: 44
Candidate Starts for Emianna_44:
(1, 34534), (2, 34831), (3, 35062), (5, 35431), (23, 35809), (24, 35824), (26, 35842), (Start: 44 @35974 has 11 MA's), (130, 36319), (150, 36370), (164, 36418),

Gene: Enkosi_24 Start: 22900, Stop: 23907, Start Num: 43
Candidate Starts for Enkosi_24:
(34, 22849), (37, 22861), (Start: 43 @22900 has 58 MA's), (50, 22960), (67, 23032), (86, 23086), (89, 23107), (129, 23236), (145, 23281), (148, 23284), (169, 23341), (170, 23344), (178, 23389), (185, 23425), (200, 23521), (205, 23533), (221, 23653), (256, 23785),

Gene: Fefferhead_27 Start: 23613, Stop: 24665, Start Num: 41
Candidate Starts for Fefferhead_27:
(38, 23577), (Start: 41 @23613 has 103 MA's), (56, 23703), (Start: 62 @23724 has 8 MA's), (67, 23751), (92, 23838), (97, 23859), (102, 23880), (164, 24069), (175, 24147), (185, 24204), (187, 24237), (191, 24252), (246, 24507), (250, 24522), (261, 24603), (271, 24642),

Gene: Findley_25 Start: 21282, Stop: 22307, Start Num: 43
Candidate Starts for Findley_25:
(20, 21099), (27, 21198), (Start: 43 @21282 has 58 MA's), (53, 21363), (60, 21387), (76, 21447), (91, 21501), (92, 21507), (116, 21588), (117, 21594), (125, 21609), (126, 21612), (186, 21816), (270, 22275), (271, 22284),

Gene: Flapper_49 Start: 36682, Stop: 37743, Start Num: 43
Candidate Starts for Flapper_49:
(19, 36406), (33, 36619), (Start: 43 @36682 has 58 MA's), (60, 36790), (84, 36868), (113, 36976), (141, 37060), (150, 37081), (152, 37087), (159, 37114), (195, 37342), (212, 37408), (263, 37672), (271, 37717),

Gene: Foxboro_45 Start: 36480, Stop: 37538, Start Num: 44
Candidate Starts for Foxboro_45:
(1, 35040), (2, 35337), (3, 35568), (5, 35937), (23, 36315), (24, 36330), (26, 36348), (Start: 44 @36480 has 11 MA's), (130, 36825), (150, 36876), (164, 36924),

Gene: GRU1_34 Start: 28214, Stop: 29290, Start Num: 43
Candidate Starts for GRU1_34:
(23, 28052), (Start: 43 @28214 has 58 MA's), (60, 28322), (72, 28373), (84, 28400), (113, 28508), (141, 28592), (150, 28613), (152, 28619), (159, 28646), (195, 28874), (255, 29153), (271, 29264),

Gene: GTE5_36 Start: 29539, Stop: 30600, Start Num: 43
Candidate Starts for GTE5_36:
(33, 29476), (Start: 43 @29539 has 58 MA's), (60, 29647), (84, 29725), (113, 29833), (141, 29917), (150, 29938), (154, 29950), (159, 29971), (160, 29974), (263, 30529), (271, 30574),

Gene: Gail_32 Start: 24477, Stop: 25421, Start Num: 62
Candidate Starts for Gail_32:
(Start: 62 @24477 has 8 MA's), (88, 24582), (90, 24588), (93, 24600), (101, 24636), (128, 24711), (150, 24774), (151, 24777), (152, 24780), (185, 24915), (267, 25371),

Gene: Ganymede_29 Start: 23336, Stop: 24349, Start Num: 41
Candidate Starts for Ganymede_29:
(8, 22892), (35, 23291), (Start: 41 @23336 has 103 MA's), (Start: 62 @23447 has 8 MA's), (92, 23561), (129, 23678), (144, 23720), (150, 23732), (167, 23771), (170, 23786), (184, 23864), (196, 23948), (200, 23960), (205, 23972), (213, 24011), (233, 24125), (250, 24194),

Gene: Geraldini_28 Start: 23332, Stop: 24345, Start Num: 41
Candidate Starts for Geraldini_28:
(8, 22888), (35, 23287), (Start: 41 @23332 has 103 MA's), (Start: 62 @23443 has 8 MA's), (91, 23551), (92, 23557), (129, 23674), (144, 23716), (150, 23728), (170, 23782), (184, 23860), (196, 23944), (200, 23956), (205, 23968), (213, 24007), (233, 24121), (250, 24190),

Gene: GrootJr_46 Start: 35356, Stop: 36414, Start Num: 44
Candidate Starts for GrootJr_46:

(1, 33916), (2, 34213), (3, 34444), (5, 34813), (23, 35191), (24, 35206), (26, 35224), (Start: 44 @35356 has 11 MA's), (130, 35701), (150, 35752), (164, 35800),

Gene: Guanica15_28 Start: 22542, Stop: 23603, Start Num: 41
Candidate Starts for Guanica15_28:
(Start: 41 @22542 has 103 MA's), (Start: 62 @22656 has 8 MA's), (92, 22770), (97, 22791), (127, 22878), (132, 22899), (134, 22905), (173, 23013), (184, 23073), (202, 23193), (203, 23199), (204, 23205), (216, 23295), (244, 23421), (247, 23436),

Gene: Hammy_27 Start: 23691, Stop: 24695, Start Num: 41
Candidate Starts for Hammy_27:
(Start: 41 @23691 has 103 MA's), (111, 23976), (129, 24033), (175, 24165), (180, 24192), (198, 24306), (228, 24459), (250, 24552), (253, 24555), (260, 24618), (263, 24630),

Gene: HedwigODU_28 Start: 23325, Stop: 24338, Start Num: 41
Candidate Starts for HedwigODU_28:
(8, 22881), (18, 23028), (35, 23280), (Start: 41 @23325 has 103 MA's), (Start: 62 @23436 has 8 MA's), (92, 23550), (129, 23667), (144, 23709), (150, 23721), (170, 23775), (184, 23853), (200, 23949), (205, 23961), (210, 23991), (213, 24000), (233, 24114), (250, 24183),

Gene: Homura_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Homura_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (Start: 62 @23467 has 8 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (205, 23992), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Hurricane_28 Start: 23950, Stop: 24975, Start Num: 43
Candidate Starts for Hurricane_28:
(4, 23398), (6, 23464), (7, 23527), (10, 23560), (13, 23602), (20, 23761), (27, 23860), (32, 23917), (Start: 43 @23950 has 58 MA's), (65, 24073), (67, 24082), (76, 24109), (89, 24157), (92, 24169), (97, 24190), (114, 24241), (125, 24271), (176, 24424), (180, 24445), (190, 24517), (196, 24553), (201, 24568), (211, 24610), (213, 24616), (225, 24706), (249, 24805), (250, 24808), (262, 24907), (272, 24958),

Gene: Hyperbowlee_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Hyperbowlee_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (Start: 62 @23467 has 8 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (205, 23992), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: IdentityCrisis_21 Start: 19031, Stop: 20086, Start Num: 43
Candidate Starts for IdentityCrisis_21:
(Start: 43 @19031 has 58 MA's), (63, 19148), (110, 19322), (148, 19439), (150, 19445), (185, 19610), (200, 19703), (212, 19751), (215, 19787), (236, 19880),

Gene: Illumine_28 Start: 23339, Stop: 24352, Start Num: 41
Candidate Starts for Illumine_28:
(Start: 41 @23339 has 103 MA's), (Start: 62 @23450 has 8 MA's), (63, 23459), (92, 23564), (121, 23660), (129, 23681), (144, 23723), (150, 23735), (170, 23789), (184, 23867), (200, 23963), (205, 23975), (213, 24014), (233, 24128), (250, 24197), (266, 24293),

Gene: Inky_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Inky_28:

(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: JAWS_28 Start: 23310, Stop: 24323, Start Num: 41
Candidate Starts for JAWS_28:
(8, 22866), (35, 23265), (Start: 41 @23310 has 103 MA's), (Start: 62 @23421 has 8 MA's), (92, 23535), (129, 23652), (144, 23694), (150, 23706), (170, 23760), (184, 23838), (200, 23934), (210, 23976), (213, 23985), (233, 24099), (250, 24168),

Gene: Jarvi_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Jarvi_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Jayhawk_28 Start: 23323, Stop: 24336, Start Num: 41
Candidate Starts for Jayhawk_28:
(8, 22879), (18, 23026), (35, 23278), (Start: 41 @23323 has 103 MA's), (Start: 62 @23434 has 8 MA's), (92, 23548), (129, 23665), (144, 23707), (150, 23719), (170, 23773), (184, 23851), (200, 23947), (205, 23959), (210, 23989), (213, 23998), (233, 24112), (250, 24181),

Gene: Jeckyll_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Jeckyll_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Jifall16_43 Start: 35628, Stop: 36686, Start Num: 44
Candidate Starts for Jifall16_43:
(1, 34188), (2, 34485), (3, 34716), (5, 35085), (23, 35463), (24, 35478), (26, 35496), (Start: 44 @35628 has 11 MA's), (130, 35973), (150, 36024), (164, 36072),

Gene: Joy99_28 Start: 23285, Stop: 24298, Start Num: 41
Candidate Starts for Joy99_28:
(8, 22841), (35, 23240), (Start: 41 @23285 has 103 MA's), (92, 23510), (129, 23627), (144, 23669), (150, 23681), (170, 23735), (184, 23813), (200, 23909), (210, 23951), (213, 23960), (233, 24074), (250, 24143),

Gene: Keshu_28 Start: 23942, Stop: 24964, Start Num: 43
Candidate Starts for Keshu_28:
(20, 23753), (27, 23852), (32, 23909), (Start: 43 @23942 has 58 MA's), (72, 24092), (89, 24149), (114, 24233), (125, 24263), (180, 24434), (185, 24464), (211, 24599), (223, 24692), (225, 24695), (232, 24716), (249, 24794), (259, 24863), (261, 24893),

Gene: Kheparia_30 Start: 23389, Stop: 24291, Start Num: 62
Candidate Starts for Kheparia_30:
(25, 23140), (29, 23179), (30, 23209), (31, 23215), (Start: 41 @23278 has 103 MA's), (Start: 62 @23389 has 8 MA's), (92, 23503), (97, 23524), (129, 23620), (134, 23638), (144, 23662), (150, 23674), (170, 23728), (184, 23806), (200, 23902), (205, 23914), (213, 23953), (217, 23989), (250, 24136),

Gene: KiSi_27 Start: 22512, Stop: 23480, Start Num: 42

Candidate Starts for KiSi_27:
(Start: 42 @22512 has 4 MA's), (76, 22674), (80, 22680), (86, 22701), (87, 22707), (95, 22749), (110, 22794), (125, 22836), (129, 22851), (170, 22959), (186, 23043), (248, 23319),

Gene: KidneyBean_44 Start: 35752, Stop: 36810, Start Num: 44
Candidate Starts for KidneyBean_44:
(1, 34312), (2, 34609), (3, 34840), (5, 35209), (23, 35587), (24, 35602), (26, 35620), (Start: 44 @35752 has 11 MA's), (130, 36097), (150, 36148), (164, 36196),

Gene: KingCyrus_34 Start: 25662, Stop: 26561, Start Num: 62
Candidate Starts for KingCyrus_34:
(Start: 62 @25662 has 8 MA's), (90, 25773), (120, 25875), (128, 25896), (150, 25959), (184, 26091), (239, 26373),

Gene: Krueger_28 Start: 22638, Stop: 23633, Start Num: 43
Candidate Starts for Krueger_28:
(27, 22548), (Start: 43 @22638 has 58 MA's), (60, 22737), (Start: 62 @22743 has 8 MA's), (100, 22893), (129, 22974), (138, 22998), (184, 23160), (185, 23163), (197, 23247), (209, 23292), (265, 23571), (269, 23592), (271, 23610),

Gene: Kurt_44 Start: 35989, Stop: 37047, Start Num: 44
Candidate Starts for Kurt_44:
(1, 34549), (2, 34846), (3, 35077), (5, 35446), (23, 35824), (24, 35839), (26, 35857), (Start: 44 @35989 has 11 MA's), (130, 36334), (150, 36385), (164, 36433),

Gene: LastHope_28 Start: 22491, Stop: 23498, Start Num: 43
Candidate Starts for LastHope_28:
(Start: 43 @22491 has 58 MA's), (92, 22710), (97, 22731), (115, 22785), (129, 22827), (152, 22887), (170, 22935), (179, 22983), (184, 23013), (200, 23109), (205, 23121), (213, 23160), (248, 23331), (250, 23343),

Gene: LaterM_28 Start: 23256, Stop: 24269, Start Num: 41
Candidate Starts for LaterM_28:
(Start: 41 @23256 has 103 MA's), (Start: 62 @23367 has 8 MA's), (92, 23481), (129, 23598), (144, 23640), (150, 23652), (170, 23706), (184, 23784), (200, 23880), (205, 23892), (213, 23931), (222, 24012), (233, 24045), (250, 24114), (266, 24210),

Gene: Lavahound_26 Start: 23365, Stop: 24360, Start Num: 41
Candidate Starts for Lavahound_26:
(38, 23329), (Start: 41 @23365 has 103 MA's), (56, 23455), (Start: 62 @23476 has 8 MA's), (91, 23584), (92, 23590), (97, 23611), (102, 23632), (175, 23839), (184, 23893), (185, 23896), (197, 23980), (198, 23983), (213, 24040), (234, 24148),

Gene: LeMond_27 Start: 22583, Stop: 23551, Start Num: 42
Candidate Starts for LeMond_27:
(Start: 42 @22583 has 4 MA's), (67, 22718), (76, 22745), (80, 22751), (86, 22772), (87, 22778), (95, 22820), (110, 22865), (125, 22907), (129, 22922), (170, 23030), (186, 23114), (248, 23390),

Gene: Lea83_28 Start: 23930, Stop: 24949, Start Num: 43
Candidate Starts for Lea83_28:
(11, 23549), (12, 23561), (15, 23597), (17, 23621), (20, 23741), (27, 23840), (32, 23897), (Start: 43 @23930 has 58 MA's), (48, 23963), (67, 24062), (70, 24068), (72, 24080), (89, 24137), (91, 24143), (106, 24203), (129, 24266), (131, 24275), (146, 24311), (154, 24332), (156, 24344), (172, 24383),

(184, 24452), (201, 24551), (213, 24599), (217, 24635), (229, 24698), (240, 24740), (252, 24788), (257, 24830), (271, 24926),

Gene: LilPharaoh_24 Start: 22900, Stop: 23907, Start Num: 43
Candidate Starts for LilPharaoh_24:
(34, 22849), (37, 22861), (Start: 43 @22900 has 58 MA's), (50, 22960), (67, 23032), (86, 23086), (89, 23107), (129, 23236), (145, 23281), (148, 23284), (169, 23341), (170, 23344), (178, 23389), (185, 23425), (200, 23521), (205, 23533), (221, 23653), (256, 23785),

Gene: LindNT_28 Start: 23290, Stop: 24303, Start Num: 41
Candidate Starts for LindNT_28:
(35, 23245), (Start: 41 @23290 has 103 MA's), (Start: 62 @23401 has 8 MA's), (92, 23515), (129, 23632), (144, 23674), (150, 23686), (170, 23740), (184, 23818), (196, 23902), (200, 23914), (205, 23926), (213, 23965), (266, 24244),

Gene: Llorens_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Llorens_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Lokum_28 Start: 23357, Stop: 24370, Start Num: 41
Candidate Starts for Lokum_28:
(8, 22913), (35, 23312), (Start: 41 @23357 has 103 MA's), (92, 23582), (129, 23699), (144, 23741), (150, 23753), (170, 23807), (184, 23885), (200, 23981), (210, 24023), (213, 24032), (233, 24146), (250, 24215),

Gene: Luchador_34 Start: 25731, Stop: 26627, Start Num: 62
Candidate Starts for Luchador_34:
(Start: 62 @25731 has 8 MA's), (108, 25905), (120, 25941), (128, 25962), (147, 26016), (150, 26025), (184, 26157), (254, 26493), (259, 26523),

Gene: Lunahalos_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Lunahalos_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: MacKat_28 Start: 23333, Stop: 24346, Start Num: 41
Candidate Starts for MacKat_28:
(8, 22889), (35, 23288), (Start: 41 @23333 has 103 MA's), (Start: 62 @23444 has 8 MA's), (92, 23558), (129, 23675), (144, 23717), (150, 23729), (170, 23783), (184, 23861), (196, 23945), (200, 23957), (205, 23969), (210, 23999), (213, 24008), (233, 24122), (250, 24191),

Gene: MacnCheese_29 Start: 24319, Stop: 25308, Start Num: 43
Candidate Starts for MacnCheese_29:
(27, 24199), (32, 24256), (Start: 43 @24319 has 58 MA's), (48, 24352), (67, 24448), (70, 24454), (90, 24526), (138, 24676), (146, 24697), (155, 24724), (185, 24841), (196, 24919), (200, 24931), (201, 24934), (260, 25231),

Gene: Marcoliusprime_25 Start: 21282, Stop: 22277, Start Num: 43
Candidate Starts for Marcoliusprime_25:

(20, 21099), (27, 21198), (Start: 43 @21282 has 58 MA's), (53, 21363), (60, 21387), (76, 21447), (91, 21501), (92, 21507), (125, 21609), (126, 21612), (142, 21660), (144, 21666), (158, 21708), (170, 21732), (186, 21816), (198, 21900), (213, 21957), (270, 22254),

Gene: MarkPhew_28 Start: 22462, Stop: 23448, Start Num: 43
Candidate Starts for MarkPhew_28:
(Start: 43 @22462 has 58 MA's), (61, 22567), (80, 22630), (86, 22651), (87, 22657), (89, 22672), (95, 22699), (115, 22759), (125, 22786), (162, 22891), (185, 22990), (197, 23074), (207, 23113), (243, 23263), (255, 23317), (257, 23332),

Gene: Marshawn_29 Start: 23145, Stop: 24104, Start Num: 43
Candidate Starts for Marshawn_29:
(Start: 43 @23145 has 58 MA's), (47, 23175), (73, 23301), (82, 23316), (89, 23355), (95, 23382), (127, 23475), (129, 23484), (144, 23526), (170, 23592), (184, 23670), (185, 23673), (201, 23766), (224, 23874), (235, 23910),

Gene: McMater_28 Start: 22728, Stop: 23693, Start Num: 41
Candidate Starts for McMater_28:
(Start: 41 @22728 has 103 MA's), (Start: 44 @22734 has 11 MA's), (72, 22887), (82, 22905), (86, 22923), (92, 22956), (102, 22998), (125, 23058), (129, 23073), (184, 23259), (185, 23262), (195, 23334), (213, 23403), (219, 23451), (224, 23466), (235, 23499), (245, 23538), (265, 23637),

Gene: Mdavu_24 Start: 22888, Stop: 23895, Start Num: 43
Candidate Starts for Mdavu_24:
(34, 22837), (37, 22849), (Start: 43 @22888 has 58 MA's), (50, 22948), (67, 23020), (86, 23074), (89, 23095), (129, 23224), (145, 23269), (148, 23272), (169, 23329), (170, 23332), (178, 23377), (185, 23413), (200, 23509), (205, 23521), (221, 23641), (256, 23773),

Gene: MeaningOfLife_28 Start: 23292, Stop: 24305, Start Num: 41
Candidate Starts for MeaningOfLife_28:
(8, 22848), (35, 23247), (Start: 41 @23292 has 103 MA's), (Start: 62 @23403 has 8 MA's), (91, 23511), (92, 23517), (129, 23634), (144, 23676), (150, 23688), (170, 23742), (184, 23820), (196, 23904), (200, 23916), (205, 23928), (213, 23967), (233, 24081), (250, 24150),

Gene: Megsy_28 Start: 23293, Stop: 24306, Start Num: 41
Candidate Starts for Megsy_28:
(8, 22849), (35, 23248), (Start: 41 @23293 has 103 MA's), (Start: 62 @23404 has 8 MA's), (92, 23518), (129, 23635), (144, 23677), (150, 23689), (170, 23743), (184, 23821), (196, 23905), (200, 23917), (205, 23929), (213, 23968), (266, 24247),

Gene: Milly_25 Start: 21282, Stop: 22277, Start Num: 43
Candidate Starts for Milly_25:
(20, 21099), (27, 21198), (Start: 43 @21282 has 58 MA's), (53, 21363), (60, 21387), (76, 21447), (91, 21501), (92, 21507), (125, 21609), (126, 21612), (142, 21660), (144, 21666), (158, 21708), (170, 21732), (186, 21816), (198, 21900), (213, 21957), (270, 22254),

Gene: Mufasa_25 Start: 21302, Stop: 22327, Start Num: 43
Candidate Starts for Mufasa_25:
(27, 21218), (Start: 43 @21302 has 58 MA's), (60, 21407), (76, 21467), (91, 21521), (92, 21527), (116, 21608), (117, 21614), (125, 21629), (126, 21632), (186, 21836), (270, 22295),

Gene: Murucutumbu_28 Start: 23275, Stop: 24288, Start Num: 41
Candidate Starts for Murucutumbu_28:

(Start: 41 @23275 has 103 MA's), (Start: 62 @23386 has 8 MA's), (92, 23500), (129, 23617), (144, 23659), (170, 23725), (184, 23803), (185, 23806), (200, 23899), (205, 23911), (207, 23929), (213, 23950), (233, 24064), (250, 24133), (266, 24229),

Gene: Mynx_28 Start: 23339, Stop: 24352, Start Num: 41
Candidate Starts for Mynx_28:
(8, 22895), (35, 23294), (Start: 41 @23339 has 103 MA's), (92, 23564), (129, 23681), (144, 23723), (150, 23735), (170, 23789), (184, 23867), (200, 23963), (205, 23975), (210, 24005), (213, 24014), (233, 24128), (250, 24197),

Gene: NatB6_44 Start: 35025, Stop: 36083, Start Num: 44
Candidate Starts for NatB6_44:
(1, 33585), (2, 33882), (3, 34113), (5, 34482), (23, 34860), (24, 34875), (26, 34893), (Start: 44 @35025 has 11 MA's), (130, 35370), (150, 35421), (164, 35469),

Gene: Nazo_22 Start: 21497, Stop: 22546, Start Num: 43
Candidate Starts for Nazo_22:
(Start: 43 @21497 has 58 MA's), (45, 21518), (74, 21659), (86, 21689), (89, 21710), (105, 21773), (119, 21812), (166, 21971), (188, 22103), (209, 22199), (264, 22484),

Gene: Nibb_27 Start: 22603, Stop: 23589, Start Num: 43
Candidate Starts for Nibb_27:
(Start: 43 @22603 has 58 MA's), (61, 22708), (73, 22759), (80, 22771), (86, 22792), (87, 22798), (89, 22813), (95, 22840), (115, 22900), (125, 22927), (156, 23020), (162, 23032), (183, 23119), (185, 23131), (197, 23215), (207, 23254), (214, 23281), (226, 23350), (243, 23404),

Gene: Nikao_24 Start: 22900, Stop: 23907, Start Num: 43
Candidate Starts for Nikao_24:
(34, 22849), (37, 22861), (Start: 43 @22900 has 58 MA's), (50, 22960), (67, 23032), (86, 23086), (89, 23107), (129, 23236), (145, 23281), (148, 23284), (169, 23341), (170, 23344), (178, 23389), (185, 23425), (200, 23521), (205, 23533), (221, 23653), (256, 23785),

Gene: Niklas_28 Start: 22731, Stop: 23696, Start Num: 41
Candidate Starts for Niklas_28:
(Start: 41 @22731 has 103 MA's), (Start: 44 @22737 has 11 MA's), (72, 22890), (82, 22908), (86, 22926), (92, 22959), (102, 23001), (125, 23061), (129, 23076), (184, 23262), (185, 23265), (195, 23337), (213, 23406), (219, 23454), (224, 23469), (235, 23502), (245, 23541), (265, 23640),

Gene: November_26 Start: 23628, Stop: 24632, Start Num: 41
Candidate Starts for November_26:
(14, 23256), (38, 23592), (Start: 41 @23628 has 103 MA's), (58, 23730), (89, 23841), (97, 23874), (129, 23970), (180, 24129), (198, 24243), (228, 24396), (250, 24489),

Gene: NovumRegina_44 Start: 35355, Stop: 36413, Start Num: 44
Candidate Starts for NovumRegina_44:
(1, 33915), (2, 34212), (3, 34443), (5, 34812), (23, 35190), (24, 35205), (26, 35223), (Start: 44 @35355 has 11 MA's), (130, 35700), (150, 35751), (164, 35799),

Gene: Nutello_24 Start: 22900, Stop: 23907, Start Num: 43
Candidate Starts for Nutello_24:
(34, 22849), (37, 22861), (Start: 43 @22900 has 58 MA's), (50, 22960), (67, 23032), (86, 23086), (89, 23107), (129, 23236), (145, 23281), (148, 23284), (169, 23341), (170, 23344), (178, 23389), (185, 23425), (200, 23521), (205, 23533), (221, 23653), (256, 23785),

Gene: Oscar_27 Start: 22584, Stop: 23552, Start Num: 42
Candidate Starts for Oscar_27:
(Start: 42 @22584 has 4 MA's), (76, 22746), (80, 22752), (86, 22773), (87, 22779), (95, 22821), (110, 22866), (125, 22908), (129, 22923), (170, 23031), (186, 23115), (248, 23391),

Gene: Padfoot_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Padfoot_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (Start: 62 @23467 has 8 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (205, 23992), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Padpat_28 Start: 23316, Stop: 24329, Start Num: 41
Candidate Starts for Padpat_28:
(8, 22872), (35, 23271), (Start: 41 @23316 has 103 MA's), (92, 23541), (129, 23658), (144, 23700), (150, 23712), (170, 23766), (184, 23844), (200, 23940), (205, 23952), (210, 23982), (213, 23991), (233, 24105), (250, 24174),

Gene: Patt_29 Start: 24327, Stop: 25331, Start Num: 43
Candidate Starts for Patt_29:
(Start: 43 @24327 has 58 MA's), (82, 24495), (91, 24540), (92, 24546), (106, 24600), (138, 24690), (145, 24711), (150, 24720), (184, 24852), (185, 24855), (211, 24993), (218, 25062),

Gene: Peanam_28 Start: 22728, Stop: 23693, Start Num: 41
Candidate Starts for Peanam_28:
(Start: 41 @22728 has 103 MA's), (Start: 44 @22734 has 11 MA's), (72, 22887), (82, 22905), (86, 22923), (92, 22956), (102, 22998), (125, 23058), (129, 23073), (150, 23127), (184, 23259), (185, 23262), (195, 23334), (213, 23403), (219, 23451), (224, 23466), (235, 23499), (245, 23538), (265, 23637),

Gene: Peel_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Peel_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Pharb_27 Start: 23529, Stop: 24596, Start Num: 40
Candidate Starts for Pharb_27:
(Start: 40 @23529 has 1 MA's), (48, 23565), (49, 23568), (Start: 62 @23634 has 8 MA's), (67, 23661), (85, 23709), (89, 23736), (92, 23748), (97, 23769), (117, 23835), (150, 23919), (163, 23976), (164, 23979), (184, 24111), (185, 24114), (187, 24147), (192, 24162), (212, 24255), (223, 24345),

Gene: PhelpsODU_28 Start: 22720, Stop: 23781, Start Num: 43
Candidate Starts for PhelpsODU_28:
(27, 22630), (32, 22687), (Start: 43 @22720 has 58 MA's), (60, 22819), (89, 22927), (92, 22939), (97, 22960), (129, 23056), (164, 23170), (169, 23221), (187, 23338), (237, 23581), (241, 23599), (252, 23638),

Gene: Phomeo_43 Start: 35624, Stop: 36682, Start Num: 44
Candidate Starts for Phomeo_43:
(1, 34184), (2, 34481), (3, 34712), (5, 35081), (23, 35459), (24, 35474), (26, 35492), (Start: 44 @35624 has 11 MA's), (130, 35969), (150, 36020), (164, 36068),

Gene: Phrank_28 Start: 22670, Stop: 23731, Start Num: 43
Candidate Starts for Phrank_28:
(Start: 43 @22670 has 58 MA's), (54, 22748), (55, 22751), (60, 22769), (89, 22877), (95, 22904), (97, 22910), (129, 23006), (132, 23018), (164, 23120), (169, 23171), (187, 23288), (237, 23531), (241, 23549), (252, 23588),

Gene: Phrappuccino_175 Start: 114916, Stop: 115800, Start Num: 81
Candidate Starts for Phrappuccino_175:
(68, 114880), (Start: 81 @114916 has 2 MA's), (98, 114994), (103, 115012), (109, 115027), (153, 115144), (154, 115147), (167, 115213), (205, 115414), (212, 115450), (226, 115546), (227, 115549), (238, 115597), (258, 115681), (268, 115750), (273, 115792),

Gene: Piatt_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Piatt_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (Start: 62 @23467 has 8 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (205, 23992), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Pisa1_27 Start: 23391, Stop: 24404, Start Num: 41
Candidate Starts for Pisa1_27:
(Start: 41 @23391 has 103 MA's), (Start: 62 @23502 has 8 MA's), (90, 23607), (92, 23616), (115, 23691), (129, 23733), (144, 23775), (150, 23787), (170, 23841), (184, 23919), (200, 24015), (205, 24027), (209, 24051), (250, 24249), (266, 24345),

Gene: Pisa4_27 Start: 23391, Stop: 24404, Start Num: 41
Candidate Starts for Pisa4_27:
(Start: 41 @23391 has 103 MA's), (Start: 62 @23502 has 8 MA's), (90, 23607), (92, 23616), (115, 23691), (129, 23733), (144, 23775), (150, 23787), (170, 23841), (184, 23919), (200, 24015), (205, 24027), (209, 24051), (250, 24249), (266, 24345),

Gene: Pixie_28 Start: 23724, Stop: 24788, Start Num: 43
Candidate Starts for Pixie_28:
(4, 23172), (6, 23238), (7, 23301), (9, 23313), (10, 23334), (13, 23376), (20, 23535), (27, 23634), (32, 23691), (Start: 43 @23724 has 58 MA's), (67, 23856), (70, 23862), (89, 23931), (91, 23937), (106, 23997), (115, 24018), (118, 24033), (149, 24111), (184, 24303), (187, 24339), (196, 24387), (207, 24429), (230, 24555),

Gene: Pokerus_27 Start: 23273, Stop: 24286, Start Num: 41
Candidate Starts for Pokerus_27:
(8, 22829), (35, 23228), (Start: 41 @23273 has 103 MA's), (Start: 62 @23384 has 8 MA's), (92, 23498), (129, 23615), (144, 23657), (150, 23669), (170, 23723), (184, 23801), (200, 23897), (205, 23909), (210, 23939), (213, 23948), (233, 24062), (250, 24131),

Gene: Prithvi_28 Start: 23290, Stop: 24303, Start Num: 41
Candidate Starts for Prithvi_28:
(35, 23245), (Start: 41 @23290 has 103 MA's), (Start: 62 @23401 has 8 MA's), (92, 23515), (129, 23632), (144, 23674), (150, 23686), (170, 23740), (184, 23818), (196, 23902), (200, 23914), (205, 23926), (213, 23965), (266, 24244),

Gene: Psycho_28 Start: 24008, Stop: 25072, Start Num: 43
Candidate Starts for Psycho_28:
(Start: 43 @24008 has 58 MA's), (56, 24098), (63, 24128), (80, 24182), (83, 24188), (92, 24236), (101, 24275), (108, 24293), (110, 24296), (133, 24377), (152, 24425), (156, 24443), (185, 24584), (198,

24674), (199, 24677), (200, 24680), (208, 24713), (211, 24725), (226, 24812), (227, 24815), (250, 24911), (268, 25028),

Gene: QuincyRose_27 Start: 23336, Stop: 24349, Start Num: 41
Candidate Starts for QuincyRose_27:
(8, 22892), (35, 23291), (Start: 41 @23336 has 103 MA's), (Start: 62 @23447 has 8 MA's), (92, 23561), (129, 23678), (144, 23720), (150, 23732), (167, 23771), (170, 23786), (184, 23864), (196, 23948), (200, 23960), (205, 23972), (213, 24011), (233, 24125), (250, 24194),

Gene: Ramen_28 Start: 23322, Stop: 24335, Start Num: 41
Candidate Starts for Ramen_28:
(8, 22878), (35, 23277), (Start: 41 @23322 has 103 MA's), (Start: 62 @23433 has 8 MA's), (92, 23547), (129, 23664), (144, 23706), (150, 23718), (170, 23772), (184, 23850), (200, 23946), (210, 23988), (213, 23997), (233, 24111), (250, 24180),

Gene: Rapunzel97_28 Start: 23323, Stop: 24336, Start Num: 41
Candidate Starts for Rapunzel97_28:
(8, 22879), (18, 23026), (35, 23278), (Start: 41 @23323 has 103 MA's), (Start: 62 @23434 has 8 MA's), (92, 23548), (129, 23665), (144, 23707), (150, 23719), (170, 23773), (184, 23851), (200, 23947), (205, 23959), (210, 23989), (213, 23998), (233, 24112), (250, 24181),

Gene: Reptar3000_29 Start: 24320, Stop: 25324, Start Num: 43
Candidate Starts for Reptar3000_29:
(Start: 43 @24320 has 58 MA's), (82, 24488), (91, 24533), (92, 24539), (106, 24593), (112, 24602), (138, 24683), (145, 24704), (150, 24713), (184, 24845), (185, 24848), (211, 24986), (218, 25055), (263, 25259),

Gene: Richo_28 Start: 22728, Stop: 23693, Start Num: 41
Candidate Starts for Richo_28:
(Start: 41 @22728 has 103 MA's), (Start: 44 @22734 has 11 MA's), (72, 22887), (82, 22905), (86, 22923), (92, 22956), (102, 22998), (125, 23058), (129, 23073), (184, 23259), (185, 23262), (195, 23334), (213, 23403), (219, 23451), (224, 23466), (235, 23499), (245, 23538), (265, 23637),

Gene: Rosmarinus_28 Start: 23344, Stop: 24357, Start Num: 41
Candidate Starts for Rosmarinus_28:
(8, 22900), (35, 23299), (Start: 41 @23344 has 103 MA's), (92, 23569), (129, 23686), (144, 23728), (150, 23740), (170, 23794), (184, 23872), (200, 23968), (210, 24010), (213, 24019), (233, 24133), (250, 24202),

Gene: SamuelLPlaqson_28 Start: 23284, Stop: 24297, Start Num: 41
Candidate Starts for SamuelLPlaqson_28:
(35, 23239), (Start: 41 @23284 has 103 MA's), (Start: 62 @23395 has 8 MA's), (92, 23509), (129, 23626), (144, 23668), (150, 23680), (170, 23734), (184, 23812), (200, 23908), (205, 23920), (213, 23959), (217, 23995), (250, 24142), (266, 24238),

Gene: Scarlett_27 Start: 22586, Stop: 23545, Start Num: 42
Candidate Starts for Scarlett_27:
(Start: 42 @22586 has 4 MA's), (76, 22748), (80, 22754), (86, 22775), (87, 22781), (95, 22823), (110, 22868), (125, 22910), (129, 22925), (170, 23033), (186, 23117), (248, 23393),

Gene: ScoobyDoobyDoo_107 Start: 58743, Stop: 59597, Start Num: 64
Candidate Starts for ScoobyDoobyDoo_107:

(Start: 64 @58743 has 1 MA's), (75, 58785), (77, 58788), (79, 58791), (96, 58860), (99, 58878), (122, 58941), (125, 58944), (149, 59016), (168, 59055), (184, 59145), (194, 59202), (213, 59283), (250, 59424),

Gene: Settecandela_175 Start: 114916, Stop: 115800, Start Num: 81
Candidate Starts for Settecandela_175:
(68, 114880), (Start: 81 @114916 has 2 MA's), (98, 114994), (103, 115012), (109, 115027), (153, 115144), (154, 115147), (167, 115213), (205, 115414), (212, 115450), (226, 115546), (227, 115549), (238, 115597), (258, 115681), (268, 115750), (273, 115792),

Gene: SgtBeansprout_24 Start: 22900, Stop: 23907, Start Num: 43
Candidate Starts for SgtBeansprout_24:
(34, 22849), (37, 22861), (Start: 43 @22900 has 58 MA's), (50, 22960), (67, 23032), (86, 23086), (89, 23107), (129, 23236), (145, 23281), (148, 23284), (169, 23341), (170, 23344), (178, 23389), (185, 23425), (200, 23521), (205, 23533), (221, 23653), (256, 23785),

Gene: Shadow1_27 Start: 22543, Stop: 23604, Start Num: 43
Candidate Starts for Shadow1_27:
(27, 22453), (Start: 43 @22543 has 58 MA's), (55, 22624), (60, 22642), (89, 22750), (92, 22762), (97, 22783), (129, 22879), (164, 22993), (169, 23044), (187, 23161), (192, 23176), (205, 23233), (213, 23272), (252, 23461),

Gene: Shaobing_28 Start: 22728, Stop: 23693, Start Num: 41
Candidate Starts for Shaobing_28:
(Start: 41 @22728 has 103 MA's), (Start: 44 @22734 has 11 MA's), (72, 22887), (82, 22905), (86, 22923), (92, 22956), (102, 22998), (125, 23058), (129, 23073), (184, 23259), (185, 23262), (195, 23334), (213, 23403), (219, 23451), (224, 23466), (235, 23499), (245, 23538), (265, 23637),

Gene: ShedlockHolmes_28 Start: 23930, Stop: 24949, Start Num: 43
Candidate Starts for ShedlockHolmes_28:
(11, 23549), (12, 23561), (15, 23597), (17, 23621), (20, 23741), (27, 23840), (32, 23897), (Start: 43 @23930 has 58 MA's), (48, 23963), (67, 24062), (70, 24068), (72, 24080), (89, 24137), (91, 24143), (106, 24203), (129, 24266), (131, 24275), (146, 24311), (154, 24332), (156, 24344), (172, 24383), (184, 24452), (201, 24551), (213, 24599), (217, 24635), (229, 24698), (240, 24740), (252, 24788), (257, 24830), (271, 24926),

Gene: ShiaSurprise_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for ShiaSurprise_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (Start: 62 @23467 has 8 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (205, 23992), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: SirPhilip_27 Start: 22229, Stop: 23257, Start Num: 43
Candidate Starts for SirPhilip_27:
(Start: 43 @22229 has 58 MA's), (82, 22400), (86, 22418), (95, 22466), (115, 22526), (129, 22568), (134, 22586), (144, 22610), (167, 22661), (172, 22685), (182, 22742), (185, 22757), (195, 22829), (213, 22898),

Gene: Slimphazie_28 Start: 23323, Stop: 24336, Start Num: 41
Candidate Starts for Slimphazie_28:
(8, 22879), (18, 23026), (35, 23278), (Start: 41 @23323 has 103 MA's), (Start: 62 @23434 has 8 MA's), (92, 23548), (129, 23665), (144, 23707), (150, 23719), (170, 23773), (184, 23851), (200, 23947), (205, 23959), (210, 23989), (213, 23998), (233, 24112), (250, 24181),

Gene: SororFago_32 Start: 24455, Stop: 25399, Start Num: 62
Candidate Starts for SororFago_32:
(Start: 62 @24455 has 8 MA's), (93, 24578), (101, 24614), (128, 24689), (150, 24752), (152, 24758), (161, 24791), (185, 24893),

Gene: Spock_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Spock_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Stinson_29 Start: 23565, Stop: 24578, Start Num: 41
Candidate Starts for Stinson_29:
(Start: 41 @23565 has 103 MA's), (Start: 62 @23676 has 8 MA's), (92, 23790), (129, 23907), (144, 23949), (170, 24015), (172, 24024), (184, 24093), (200, 24189), (205, 24201), (233, 24354), (250, 24423), (266, 24519),

Gene: Strobilo_25 Start: 21282, Stop: 22277, Start Num: 43
Candidate Starts for Strobilo_25:
(27, 21198), (Start: 43 @21282 has 58 MA's), (53, 21363), (60, 21387), (76, 21447), (91, 21501), (92, 21507), (125, 21609), (126, 21612), (142, 21660), (144, 21666), (169, 21729), (170, 21732), (177, 21774), (186, 21816), (198, 21900), (213, 21957), (270, 22254),

Gene: Sulley_28 Start: 23289, Stop: 24302, Start Num: 41
Candidate Starts for Sulley_28:
(Start: 41 @23289 has 103 MA's), (Start: 62 @23400 has 8 MA's), (92, 23514), (129, 23631), (150, 23685), (170, 23739), (184, 23817), (200, 23913), (205, 23925), (210, 23955), (213, 23964), (233, 24078), (250, 24147),

Gene: Sunflower1121_27 Start: 22555, Stop: 23616, Start Num: 43
Candidate Starts for Sunflower1121_27:
(27, 22465), (Start: 43 @22555 has 58 MA's), (55, 22636), (60, 22654), (89, 22762), (92, 22774), (97, 22795), (129, 22891), (164, 23005), (169, 23056), (187, 23173), (205, 23245), (213, 23284), (234, 23404), (252, 23473),

Gene: Syra333_28 Start: 22645, Stop: 23640, Start Num: 43
Candidate Starts for Syra333_28:
(27, 22555), (Start: 43 @22645 has 58 MA's), (60, 22744), (Start: 62 @22750 has 8 MA's), (100, 22900), (129, 22981), (184, 23167), (185, 23170), (197, 23254), (200, 23263), (209, 23299), (240, 23449), (269, 23599), (271, 23617),

Gene: TBond007_28 Start: 23723, Stop: 24787, Start Num: 43
Candidate Starts for TBond007_28:
(4, 23171), (6, 23237), (7, 23300), (10, 23333), (13, 23375), (20, 23534), (27, 23633), (32, 23690), (Start: 43 @23723 has 58 MA's), (67, 23855), (70, 23861), (89, 23930), (91, 23936), (106, 23996), (115, 24017), (118, 24032), (149, 24110), (184, 24302), (187, 24338), (196, 24386), (207, 24428), (230, 24554),

Gene: TClif_28 Start: 22714, Stop: 23739, Start Num: 43
Candidate Starts for TClif_28:
(Start: 43 @22714 has 58 MA's), (58, 22813), (60, 22816), (76, 22876), (88, 22921), (97, 22957), (126, 23041), (142, 23089), (171, 23173), (176, 23197), (185, 23248), (196, 23329), (253, 23581), (257,

23620), (271, 23716),

Gene: TM4_25 Start: 21422, Stop: 22426, Start Num: 43
Candidate Starts for TM4_25:
(Start: 43 @21422 has 58 MA's), (60, 21527), (76, 21587), (82, 21596), (91, 21641), (92, 21647), (106, 21701), (127, 21755), (149, 21815), (158, 21848), (170, 21872), (185, 21953), (186, 21956), (198, 22040), (207, 22076), (270, 22403),

Gene: Tachez_28 Start: 23285, Stop: 24298, Start Num: 41
Candidate Starts for Tachez_28:
(8, 22841), (18, 22988), (35, 23240), (Start: 41 @23285 has 103 MA's), (Start: 62 @23396 has 8 MA's), (92, 23510), (129, 23627), (144, 23669), (150, 23681), (170, 23735), (184, 23813), (200, 23909), (205, 23921), (210, 23951), (213, 23960), (233, 24074), (250, 24143),

Gene: TaiwanKao_29 Start: 23407, Stop: 24309, Start Num: 62
Candidate Starts for TaiwanKao_29:
(35, 23251), (Start: 41 @23296 has 103 MA's), (Start: 62 @23407 has 8 MA's), (92, 23521), (129, 23638), (144, 23680), (150, 23692), (170, 23746), (184, 23824), (196, 23908), (200, 23920), (205, 23932), (213, 23971), (226, 24061), (266, 24250),

Gene: Teejan_24 Start: 22861, Stop: 23907, Start Num: 37
Candidate Starts for Teejan_24:
(34, 22849), (37, 22861), (Start: 43 @22900 has 58 MA's), (50, 22960), (67, 23032), (86, 23086), (89, 23107), (129, 23236), (145, 23281), (148, 23284), (169, 23341), (170, 23344), (178, 23389), (185, 23425), (200, 23521), (205, 23533), (221, 23653), (256, 23785),

Gene: Tierra_28 Start: 23391, Stop: 24452, Start Num: 43
Candidate Starts for Tierra_28:
(Start: 43 @23391 has 58 MA's), (54, 23469), (55, 23472), (60, 23490), (71, 23532), (89, 23598), (97, 23631), (129, 23727), (132, 23739), (164, 23841), (169, 23892), (187, 24009), (237, 24252), (241, 24270), (252, 24309),

Gene: Tigress9_28 Start: 22638, Stop: 23633, Start Num: 43
Candidate Starts for Tigress9_28:
(27, 22548), (Start: 43 @22638 has 58 MA's), (60, 22737), (Start: 62 @22743 has 8 MA's), (100, 22893), (129, 22974), (138, 22998), (184, 23160), (185, 23163), (197, 23247), (209, 23292), (265, 23571), (269, 23592), (271, 23610),

Gene: TingHuaYa_28 Start: 22494, Stop: 23501, Start Num: 43
Candidate Starts for TingHuaYa_28:
(Start: 43 @22494 has 58 MA's), (59, 22593), (92, 22713), (97, 22734), (129, 22830), (170, 22938), (184, 23016), (200, 23112), (205, 23124), (213, 23163), (248, 23334), (250, 23346),

Gene: TiniBug_28 Start: 23281, Stop: 24294, Start Num: 41
Candidate Starts for TiniBug_28:
(35, 23236), (Start: 41 @23281 has 103 MA's), (Start: 62 @23392 has 8 MA's), (92, 23506), (129, 23623), (150, 23677), (170, 23731), (184, 23809), (200, 23905), (205, 23917), (213, 23956), (217, 23992), (231, 24061), (250, 24139), (266, 24235),

Gene: Tiri_28 Start: 23328, Stop: 24341, Start Num: 41
Candidate Starts for Tiri_28:
(8, 22884), (35, 23283), (Start: 41 @23328 has 103 MA's), (Start: 62 @23439 has 8 MA's), (92, 23553), (129, 23670), (144, 23712), (150, 23724), (170, 23778), (184, 23856), (196, 23940), (200, 23952),

(205, 23964), (213, 24003), (233, 24117), (250, 24186),

Gene: Topper_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Topper_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Torres_24 Start: 22900, Stop: 23907, Start Num: 43
Candidate Starts for Torres_24:
(34, 22849), (37, 22861), (Start: 43 @22900 has 58 MA's), (50, 22960), (67, 23032), (86, 23086), (89, 23107), (129, 23236), (145, 23281), (148, 23284), (169, 23341), (170, 23344), (178, 23389), (185, 23425), (200, 23521), (205, 23533), (221, 23653), (256, 23785),

Gene: Tracker_44 Start: 34752, Stop: 35810, Start Num: 44
Candidate Starts for Tracker_44:
(1, 33312), (2, 33609), (3, 33840), (5, 34209), (23, 34587), (24, 34602), (26, 34620), (Start: 44 @34752 has 11 MA's), (130, 35097), (150, 35148), (164, 35196),

Gene: TreyKay_28 Start: 23290, Stop: 24303, Start Num: 41
Candidate Starts for TreyKay_28:
(35, 23245), (Start: 41 @23290 has 103 MA's), (Start: 62 @23401 has 8 MA's), (92, 23515), (129, 23632), (144, 23674), (150, 23686), (170, 23740), (184, 23818), (196, 23902), (200, 23914), (205, 23926), (213, 23965), (266, 24244),

Gene: TribleTrouble_27 Start: 23874, Stop: 24935, Start Num: 43
Candidate Starts for TribleTrouble_27:
(27, 23769), (Start: 43 @23874 has 58 MA's), (48, 23907), (52, 23946), (65, 23997), (67, 24006), (76, 24033), (89, 24081), (106, 24147), (118, 24183), (126, 24198), (130, 24216), (131, 24219), (138, 24234), (163, 24321), (187, 24492), (252, 24792),

Gene: Trice_24 Start: 22861, Stop: 23907, Start Num: 37
Candidate Starts for Trice_24:
(34, 22849), (37, 22861), (Start: 43 @22900 has 58 MA's), (50, 22960), (67, 23032), (86, 23086), (89, 23107), (129, 23236), (145, 23281), (148, 23284), (169, 23341), (170, 23344), (178, 23389), (185, 23425), (200, 23521), (205, 23533), (221, 23653), (256, 23785),

Gene: TruffulaTree_28 Start: 23319, Stop: 24332, Start Num: 41
Candidate Starts for TruffulaTree_28:
(8, 22875), (35, 23274), (Start: 41 @23319 has 103 MA's), (92, 23544), (129, 23661), (144, 23703), (150, 23715), (170, 23769), (184, 23847), (200, 23943), (205, 23955), (210, 23985), (213, 23994), (233, 24108), (250, 24177),

Gene: Twitch_28 Start: 23356, Stop: 24369, Start Num: 41
Candidate Starts for Twitch_28:
(8, 22912), (35, 23311), (Start: 41 @23356 has 103 MA's), (92, 23581), (129, 23698), (144, 23740), (150, 23752), (170, 23806), (184, 23884), (200, 23980), (210, 24022), (213, 24031), (233, 24145), (250, 24214),

Gene: Unicorn_28 Start: 22720, Stop: 23781, Start Num: 43
Candidate Starts for Unicorn_28:
(27, 22630), (32, 22687), (Start: 43 @22720 has 58 MA's), (60, 22819), (89, 22927), (92, 22939), (97, 22960), (129, 23056), (164, 23170), (169, 23221), (187, 23338), (237, 23581), (241, 23599), (252,

23638),

Gene: Urkel_28 Start: 23284, Stop: 24297, Start Num: 41
Candidate Starts for Urkel_28:
(35, 23239), (Start: 41 @23284 has 103 MA's), (Start: 62 @23395 has 8 MA's), (92, 23509), (129, 23626), (144, 23668), (150, 23680), (170, 23734), (184, 23812), (200, 23908), (205, 23920), (213, 23959), (217, 23995), (250, 24142), (266, 24238),

Gene: Validus_28 Start: 22666, Stop: 23631, Start Num: 41
Candidate Starts for Validus_28:
(38, 22630), (Start: 41 @22666 has 103 MA's), (Start: 44 @22672 has 11 MA's), (Start: 62 @22780 has 8 MA's), (67, 22807), (86, 22861), (102, 22936), (134, 23029), (155, 23083), (184, 23197), (185, 23200), (198, 23284), (213, 23341), (220, 23395), (235, 23437), (245, 23476),

Gene: Veliki_28 Start: 23359, Stop: 24372, Start Num: 41
Candidate Starts for Veliki_28:
(8, 22915), (18, 23062), (35, 23314), (Start: 41 @23359 has 103 MA's), (Start: 62 @23470 has 8 MA's), (92, 23584), (129, 23701), (144, 23743), (150, 23755), (170, 23809), (184, 23887), (200, 23983), (205, 23995), (210, 24025), (213, 24034), (233, 24148), (250, 24217),

Gene: Wheezy_44 Start: 34957, Stop: 36015, Start Num: 44
Candidate Starts for Wheezy_44:
(1, 33517), (2, 33814), (3, 34045), (5, 34414), (23, 34792), (24, 34807), (26, 34825), (Start: 44 @34957 has 11 MA's), (130, 35302), (150, 35353), (164, 35401),

Gene: Ximenita_29 Start: 22823, Stop: 23818, Start Num: 43
Candidate Starts for Ximenita_29:
(27, 22733), (Start: 43 @22823 has 58 MA's), (60, 22922), (Start: 62 @22928 has 8 MA's), (100, 23078), (129, 23159), (184, 23345), (185, 23348), (197, 23432), (240, 23627), (265, 23756), (269, 23777), (271, 23795),

Gene: YasnayaPolyana_29 Start: 24655, Stop: 25590, Start Num: 51
Candidate Starts for YasnayaPolyana_29:
(Start: 43 @24586 has 58 MA's), (Start: 51 @24655 has 1 MA's), (82, 24754), (91, 24799), (106, 24859), (112, 24868), (123, 24904), (138, 24949), (145, 24970), (149, 24976), (150, 24979), (184, 25111), (185, 25114), (207, 25237), (213, 25258), (263, 25525),

Gene: YoureAdopted_27 Start: 23292, Stop: 24305, Start Num: 41
Candidate Starts for YoureAdopted_27:
(8, 22848), (18, 22995), (35, 23247), (Start: 41 @23292 has 103 MA's), (Start: 62 @23403 has 8 MA's), (92, 23517), (129, 23634), (144, 23676), (150, 23688), (170, 23742), (184, 23820), (200, 23916), (205, 23928), (210, 23958), (213, 23967), (216, 24000), (233, 24081), (250, 24150),

Gene: Yuna_29 Start: 23206, Stop: 24168, Start Num: 41
Candidate Starts for Yuna_29:
(Start: 41 @23206 has 103 MA's), (104, 23476), (107, 23485), (117, 23518), (123, 23530), (127, 23539), (134, 23566), (176, 23689), (185, 23740), (195, 23809), (201, 23830), (227, 23950),

Gene: Yunkel11_28 Start: 22542, Stop: 23603, Start Num: 41
Candidate Starts for Yunkel11_28:
(Start: 41 @22542 has 103 MA's), (Start: 62 @22656 has 8 MA's), (92, 22770), (97, 22791), (127, 22878), (132, 22899), (134, 22905), (173, 23013), (184, 23073), (202, 23193), (203, 23199), (204, 23205), (216, 23295), (244, 23421), (247, 23436),

Gene: Zabiza_28 Start: 23323, Stop: 24336, Start Num: 41
Candidate Starts for Zabiza_28:
(8, 22879), (18, 23026), (35, 23278), (Start: 41 @23323 has 103 MA's), (Start: 62 @23434 has 8 MA's), (92, 23548), (129, 23665), (144, 23707), (150, 23719), (170, 23773), (184, 23851), (200, 23947), (205, 23959), (210, 23989), (213, 23998), (233, 24112), (250, 24181),

Gene: Zavala_28 Start: 23298, Stop: 24311, Start Num: 41
Candidate Starts for Zavala_28:
(8, 22854), (35, 23253), (Start: 41 @23298 has 103 MA's), (92, 23523), (129, 23640), (144, 23682), (150, 23694), (170, 23748), (184, 23826), (200, 23922), (205, 23934), (210, 23964), (213, 23973), (233, 24087), (250, 24156),

Gene: ZoeJ_25 Start: 21223, Stop: 22245, Start Num: 43
Candidate Starts for ZoeJ_25:
(20, 21040), (27, 21139), (Start: 43 @21223 has 58 MA's), (60, 21325), (73, 21379), (76, 21385), (91, 21439), (92, 21445), (93, 21448), (116, 21526), (125, 21547), (126, 21550), (144, 21604), (186, 21754), (270, 22213), (271, 22222),