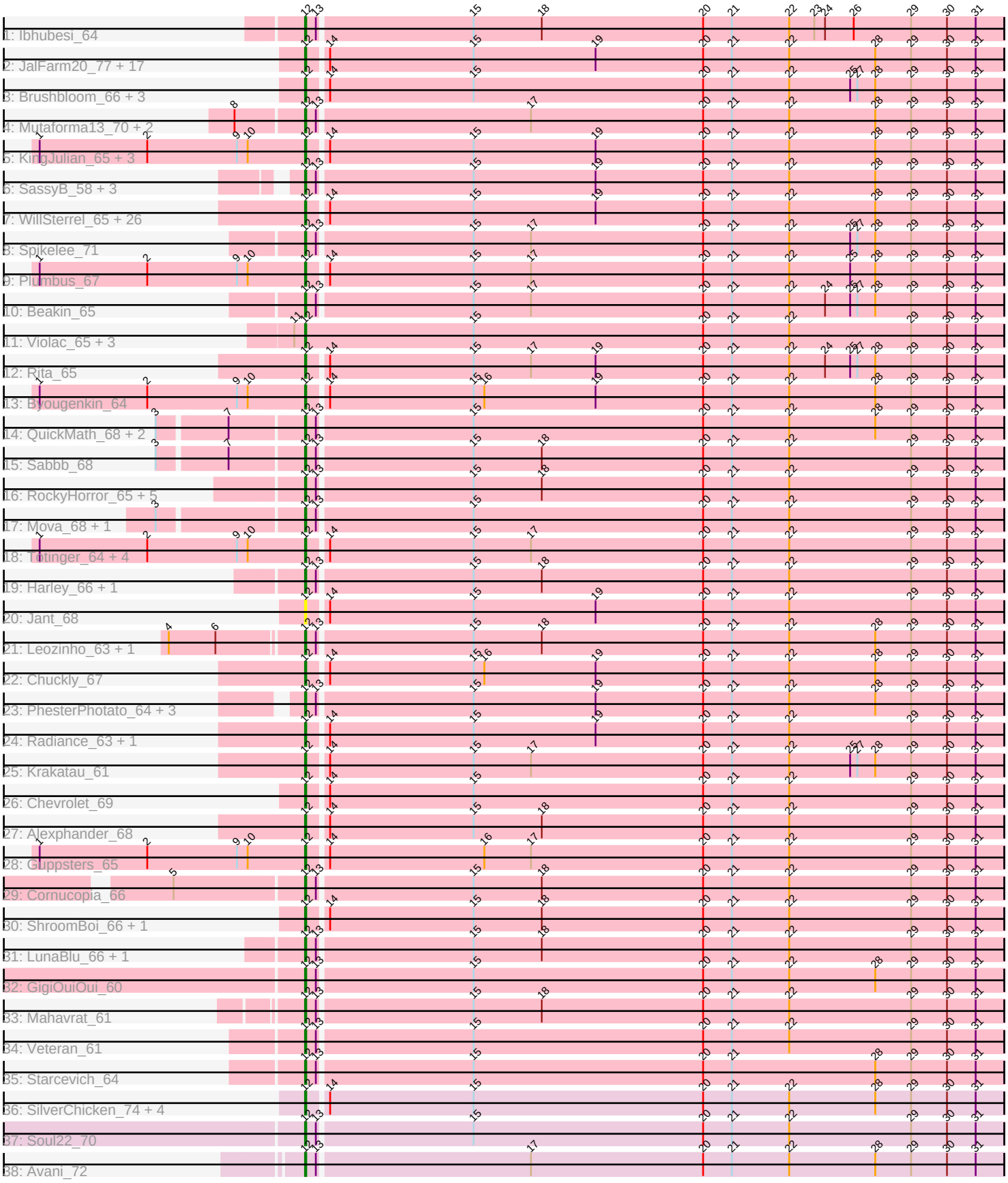
Pham 341923


1: Ibhubesi_64
2: JalFarm20_77 + 17
3: Brushbloom_66 + 3
4: Mutaforma13_70 + 2
5: KingJulian_65 + 3
6: SassyB_58 + 3
7: WillSterrel_65 + 26
8: Spikelee_71
9: Plumbus_67
10: Beakin_65
11: Violac_65 + 3
12: Rita_65
13: Byougenkin_64
14: QuickMath_68 + 2
15: Sabbb_68
16: RockyHorror_65 + 5
17: Mova_68 + 1
18: Totinger_64 + 4
19: Harley_66 + 1
20: Jant_68
21: Leozinho_63 + 1
22: Chuckly_67
23: PhesterPhotato_64 + 3
24: Radiance_63 + 1
25: Krakatau_61
26: Chevrolet_69
27: Alexphander_68
28: Guppsters_65
29: Cornucopia_66
30: ShroomBoi_66 + 1
31: LunaBlu_66 + 1
32: GigiOuiOui_60
33: Mahavrat_61
34: Veteran_61
35: Starcevich_64
36: SilverChicken_74 + 4
37: Soul22_70
38: Avani_72

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 341923 Report

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

Pham number 341923 has 119 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Ibhubesi_64
• Track 2 : JalFarm20_77, Strokeseat_60, Juice456_65, Melissauren88_62, Ovechkin_64, Hamulus_64, KristaRAM_67, Florinda_75, Girafales_72, Shauna1_62, DotProduct_59, Fruitloop_60, StAnnes_62, IMpilo_60, Hlubikazi_60, Quico_72, Okabe_59, Mandlovu_60
• Track 3 : Brushbloom_66, Batiatus_62, Bobi_68, MilleniumForce_67
• Track 4 : Mutaforma13_70, EleanorGeorge_66, Firehouse51_67
• Track 5 : KingJulian_65, PatoPoderoso_62, Ms6_61, Corium_62
• Track 6 : SassyB_58, Phalconet_62, DLane_59, PopTart_58
• Track 7 : WillSterrel_65, SiSi_62, Ardmore_56, Donkeykong_67, Ramsey_63, SG4_61, UncleRicky_63, Doomphist_64, Bubbles123_60, XFactor_62, Poenanya_64, Spartacus_66, Dante_65, Llij_60, DirtMcgirt_63, IrishSherpFalk_65, Seagreen_63, Lucia_63, Enby_65, Lorde_64, Boomer_69, Phatniss_62, PMC_61, Rockne_65, Drago_61, Tweety_64, Flathead_65
• Track 8 : Spikelee_71
• Track 9 : Plumbus_67
• Track 10 : Beakin_65
• Track 11 : Violac_65, Eish_67, DaWorst_64, Rialto_69
• Track 12 : Rita_65
• Track 13 : Byougenkin_64
• Track 14 : QuickMath_68, Kimberlium_69, MulchExplorer_68
• Track 15 : Sabbb_68
• Track 16 : RockyHorror_65, Zerg_64, Girr_62, Ruby_60, MisterCuddles_62, Doug_66
• Track 17 : Mova_68, Madiba_65
• Track 18 : Totinger_64, Emmaloid_66, Peridot_63, LittleShirley_64, Slim_66
• Track 19 : Harley_66, Beanstalk_62
• Track 20 : Jant_68
• Track 21 : Leozinho_63, DosHalletts_66
• Track 22 : Chuckly_67
• Track 23 : PhesterPhotato_64, Filuzino_62, Akhila_55, MilanaBonita_54
• Track 24 : Radiance_63, OwlsT2W_64
• Track 25 : Krakatau_61
• Track 26 : Chevrolet_69
• Track 27 : Alexphander_68
• Track 28 : Guppsters_65
• Track 29 : Cornucopia_66

• Track 30 : ShroomBoi_66, Hades_65
• Track 31 : LunaBlu_66, Galactic_63
• Track 32 : GigiOuiOui_60
• Track 33 : Mahavrat_61
• Track 34 : Veteran_61
• Track 35 : Starcevich_64
• Track 36 : SilverChicken_74, TDanisky_71, ArcusAngelus_66, Sparkdehlily_71, Phanphagia_60
• Track 37 : Soul22_70
• Track 38 : Avani_72

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

The start number called the most often in the published annotations is 12, it was called in 111 of the 111 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akhila_55, Alexphander_68, ArcusAngelus_66, Ardmore_56, Avani_72, Batiatus_62, Beakin_65, Beanstalk_62, Bobi_68, Boomer_69, Brushbloom_66, Bubbles123_60, Byougenkin_64, Chevrolet_69, Chuckly_67, Corium_62, Cornucopia_66, DLane_59, DaWorst_64, Dante_65, DirtMcgirt_63, Donkeykong_67, Doomphist_64, DosHalletts_66, DotProduct_59, Doug_66, Drago_61, Eish_67, EleanorGeorge_66, Emmaloid_66, Enby_65, Filuzino_62, Firehouse51_67, Flathead_65, Florinda_75, Fruitloop_60, Galactic_63, GigiOuiOui_60, Girafales_72, Girr_62, Guppsters_65, Hades_65, Hamulus_64, Harley_66, Hlubikazi_60, IMpilo_60, Ibhubesi_64, IrishSherpFalk_65, JalFarm20_77, Jant_68, Juice456_65, Kimberlium_69, KingJulian_65, Krakatau_61, KristaRAM_67, Leozinho_63, LittleShirley_64, Llij_60, Lorde_64, Lucia_63, LunaBlu_66, Madiba_65, Mahavrat_61, Mandlovu_60, Melissauren88_62, MilanaBonita_54, MilleniumForce_67, MisterCuddles_62, Mova_68, Ms6_61, MulchExplorer_68, Mutaforma13_70, Okabe_59, Ovechkin_64, OwlsT2W_64, PMC_61, PatoPoderoso_62, Peridot_63, Phalconet_62, Phanphagia_60, Phatniss_62, PhesterPhotato_64, Plumbus_67, Poenanya_64, PopTart_58, QuickMath_68, Quico_72, Radiance_63, Ramsey_63, Rialto_69, Rita_65, Rockne_65, RockyHorror_65, Ruby_60, SG4_61, Sabbb_68, SassyB_58, Seagreen_63, Shauna1_62, ShroomBoi_66, SiSi_62, SilverChicken_74, Slim_66, Soul22_70, Sparkdehlily_71, Spartacus_66, Spikelee_71, StAnnes_62, Starcevich_64, Strokeseat_60, TDanisky_71, Totinger_64, Tweety_64, UncleRicky_63, Veteran_61, Violac_65, WillSterrel_65, XFactor_62, Zerg_64,

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

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

Summary by start number:

Start 12:
• Found in 119 of 119 (100.0%) of genes in pham
• Manual Annotations of this start: 111 of 111

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Akhila_55 (F1), Alexphander_68 (F1), ArcusAngelus_66 (F1), Ardmore_56 (F1), Avani_72 (F2), Batiatus_62 (F1), Beakin_65 (F1), Beanstalk_62 (F1), Bobi_68 (F1), Boomer_69 (F1), Brushbloom_66 (F1), Bubbles123_60 (F1), Byougenkin_64 (F1), Chevrolet_69 (F1), Chuckly_67 (F1), Corium_62 (F1), Cornucopia_66 (F1), DLane_59 (F1), DaWorst_64 (F1), Dante_65 (F1), DirtMcgirt_63 (F1), Donkeykong_67 (F1), Doomphist_64 (F1), DosHalletts_66 (F1), DotProduct_59 (F1), Doug_66 (F1), Drago_61 (F1), Eish_67 (F1), EleanorGeorge_66 (F1), Emmaloid_66 (F1), Enby_65 (F1), Filuzino_62 (F1), Firehouse51_67 (F1), Flathead_65 (F1), Florinda_75 (F1), Fruitloop_60 (F1), Galactic_63 (F1), GigiOuiOui_60 (F1), Girafales_72 (F1), Girr_62 (F1), Guppsters_65 (F1), Hades_65 (F1), Hamulus_64 (F1), Harley_66 (F1), Hlubikazi_60 (F1), IMpilo_60 (F1), Ibhubesi_64 (F1), IrishSherpFalk_65 (F1), JalFarm20_77 (F1), Jant_68 (F1), Juice456_65 (F1), Kimberlium_69 (F1), KingJulian_65 (F1), Krakatau_61 (F1), KristaRAM_67 (F1), Leozinho_63 (F1), LittleShirley_64 (F1), Llij_60 (F1), Lorde_64 (F1), Lucia_63 (F1), LunaBlu_66 (F1), Madiba_65 (F1), Mahavrat_61 (F1), Mandlovu_60 (F1), Melissauren88_62 (F1), MilanaBonita_54 (F1), MilleniumForce_67 (F1), MisterCuddles_62 (F1), Mova_68 (F1), Ms6_61 (F1), MulchExplorer_68 (F1), Mutaforma13_70 (F1), Okabe_59 (F8), Ovechkin_64 (F1), OwlsT2W_64 (F1), PMC_61 (F1), PatoPoderoso_62 (F1), Peridot_63 (F1), Phalconet_62 (F1), Phanphagia_60 (F1), Phatniss_62 (F1), PhesterPhotato_64 (F1), Plumbus_67 (F1), Poenanya_64 (F1), PopTart_58 (F1), QuickMath_68 (F1), Quico_72 (F1), Radiance_63 (F1), Ramsey_63 (F1), Rialto_69 (F1), Rita_65 (F1), Rockne_65 (F1), RockyHorror_65 (F1), Ruby_60 (F1), SG4_61 (F1), Sabbb_68 (F1), SassyB_58 (F1), Seagreen_63 (F1), Shauna1_62 (F1), ShroomBoi_66 (F1), SiSi_62 (F1), SilverChicken_74 (F2), Slim_66 (F1), Soul22_70 (F2), Sparkdehlily_71 (F1), Spartacus_66 (F1), Spikelee_71 (F1), StAnnes_62 (F1), Starcevich_64 (F1), Strokeseat_60 (F1), TDanisky_71 (F1), Totinger_64 (F1), Tweety_64 (F1), UncleRicky_63 (F1), Veteran_61 (F1), Violac_65 (F1), WillSterrel_65 (F1), XFactor_62 (F1), Zerg_64 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: F8, F1, F2,

Info for manual annotations of cluster F1:
•Start number 12 was manually annotated 109 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 12 was manually annotated 2 times for cluster F2.

Gene Information:

Gene: Akhila_55 Start: 37373, Stop: 37951, Start Num: 12
Candidate Starts for Akhila_55:
(Start: 12 @37373 has 111 MA's), (13, 37382), (15, 37508), (19, 37610), (20, 37700), (21, 37724), (22, 37772), (28, 37844), (29, 37874), (30, 37904), (31, 37928),

Gene: Alexphander_68 Start: 41707, Stop: 42285, Start Num: 12
Candidate Starts for Alexphander_68:

(Start: 12 @41707 has 111 MA's), (14, 41722), (15, 41842), (18, 41899), (20, 42034), (21, 42058), (22, 42106), (29, 42208), (30, 42238), (31, 42262),

Gene: ArcusAngelus_66 Start: 42057, Stop: 42635, Start Num: 12
Candidate Starts for ArcusAngelus_66:
(Start: 12 @42057 has 111 MA's), (14, 42072), (15, 42192), (20, 42384), (21, 42408), (22, 42456), (28, 42528), (29, 42558), (30, 42588), (31, 42612),

Gene: Ardmore_56 Start: 39474, Stop: 40052, Start Num: 12
Candidate Starts for Ardmore_56:
(Start: 12 @39474 has 111 MA's), (14, 39489), (15, 39609), (19, 39711), (20, 39801), (21, 39825), (22, 39873), (28, 39945), (29, 39975), (30, 40005), (31, 40029),

Gene: Avani_72 Start: 42091, Stop: 42669, Start Num: 12
Candidate Starts for Avani_72:
(Start: 12 @42091 has 111 MA's), (13, 42100), (17, 42274), (20, 42418), (21, 42442), (22, 42490), (28, 42562), (29, 42592), (30, 42622), (31, 42646),

Gene: Batiatus_62 Start: 41350, Stop: 41928, Start Num: 12
Candidate Starts for Batiatus_62:
(Start: 12 @41350 has 111 MA's), (14, 41365), (15, 41485), (20, 41677), (21, 41701), (22, 41749), (25, 41800), (27, 41806), (28, 41821), (29, 41851), (30, 41881), (31, 41905),

Gene: Beakin_65 Start: 40654, Stop: 41232, Start Num: 12
Candidate Starts for Beakin_65:
(Start: 12 @40654 has 111 MA's), (13, 40663), (15, 40789), (17, 40837), (20, 40981), (21, 41005), (22, 41053), (24, 41083), (25, 41104), (27, 41110), (28, 41125), (29, 41155), (30, 41185), (31, 41209),

Gene: Beanstalk_62 Start: 40105, Stop: 40683, Start Num: 12
Candidate Starts for Beanstalk_62:
(Start: 12 @40105 has 111 MA's), (13, 40114), (15, 40240), (18, 40297), (20, 40432), (21, 40456), (22, 40504), (29, 40606), (30, 40636), (31, 40660),

Gene: Bobi_68 Start: 42953, Stop: 43531, Start Num: 12
Candidate Starts for Bobi_68:
(Start: 12 @42953 has 111 MA's), (14, 42968), (15, 43088), (20, 43280), (21, 43304), (22, 43352), (25, 43403), (27, 43409), (28, 43424), (29, 43454), (30, 43484), (31, 43508),

Gene: Boomer_69 Start: 43611, Stop: 44189, Start Num: 12
Candidate Starts for Boomer_69:
(Start: 12 @43611 has 111 MA's), (14, 43626), (15, 43746), (19, 43848), (20, 43938), (21, 43962), (22, 44010), (28, 44082), (29, 44112), (30, 44142), (31, 44166),

Gene: Brushbloom_66 Start: 42282, Stop: 42860, Start Num: 12
Candidate Starts for Brushbloom_66:
(Start: 12 @42282 has 111 MA's), (14, 42297), (15, 42417), (20, 42609), (21, 42633), (22, 42681), (25, 42732), (27, 42738), (28, 42753), (29, 42783), (30, 42813), (31, 42837),

Gene: Bubbles123_60 Start: 41257, Stop: 41835, Start Num: 12
Candidate Starts for Bubbles123_60:
(Start: 12 @41257 has 111 MA's), (14, 41272), (15, 41392), (19, 41494), (20, 41584), (21, 41608), (22, 41656), (28, 41728), (29, 41758), (30, 41788), (31, 41812),

Gene: Byougenkin_64 Start: 41613, Stop: 42191, Start Num: 12
Candidate Starts for Byougenkin_64:
(1, 41391), (2, 41481), (9, 41556), (10, 41565), (Start: 12 @41613 has 111 MA's), (14, 41628), (15, 41748), (16, 41757), (19, 41850), (20, 41940), (21, 41964), (22, 42012), (28, 42084), (29, 42114), (30, 42144), (31, 42168),

Gene: Chevrolet_69 Start: 42058, Stop: 42636, Start Num: 12
Candidate Starts for Chevrolet_69:
(Start: 12 @42058 has 111 MA's), (14, 42073), (15, 42193), (20, 42385), (21, 42409), (22, 42457), (29, 42559), (30, 42589), (31, 42613),

Gene: Chuckly_67 Start: 42080, Stop: 42658, Start Num: 12
Candidate Starts for Chuckly_67:
(Start: 12 @42080 has 111 MA's), (14, 42095), (15, 42215), (16, 42224), (19, 42317), (20, 42407), (21, 42431), (22, 42479), (28, 42551), (29, 42581), (30, 42611), (31, 42635),

Gene: Corium_62 Start: 40905, Stop: 41483, Start Num: 12
Candidate Starts for Corium_62:
(1, 40683), (2, 40773), (9, 40848), (10, 40857), (Start: 12 @40905 has 111 MA's), (14, 40920), (15, 41040), (19, 41142), (20, 41232), (21, 41256), (22, 41304), (28, 41376), (29, 41406), (30, 41436), (31, 41460),

Gene: Cornucopia_66 Start: 42004, Stop: 42582, Start Num: 12
Candidate Starts for Cornucopia_66:
(5, 41902), (Start: 12 @42004 has 111 MA's), (13, 42013), (15, 42139), (18, 42196), (20, 42331), (21, 42355), (22, 42403), (29, 42505), (30, 42535), (31, 42559),

Gene: DLane_59 Start: 39980, Stop: 40558, Start Num: 12
Candidate Starts for DLane_59:
(Start: 12 @39980 has 111 MA's), (13, 39989), (15, 40115), (19, 40217), (20, 40307), (21, 40331), (22, 40379), (28, 40451), (29, 40481), (30, 40511), (31, 40535),

Gene: DaWorst_64 Start: 41441, Stop: 42025, Start Num: 12
Candidate Starts for DaWorst_64:
(11, 41432), (Start: 12 @41441 has 111 MA's), (15, 41582), (20, 41774), (21, 41798), (22, 41846), (29, 41948), (30, 41978), (31, 42002),

Gene: Dante_65 Start: 41221, Stop: 41799, Start Num: 12
Candidate Starts for Dante_65:
(Start: 12 @41221 has 111 MA's), (14, 41236), (15, 41356), (19, 41458), (20, 41548), (21, 41572), (22, 41620), (28, 41692), (29, 41722), (30, 41752), (31, 41776),

Gene: DirtMcgirt_63 Start: 39979, Stop: 40557, Start Num: 12
Candidate Starts for DirtMcgirt_63:
(Start: 12 @39979 has 111 MA's), (14, 39994), (15, 40114), (19, 40216), (20, 40306), (21, 40330), (22, 40378), (28, 40450), (29, 40480), (30, 40510), (31, 40534),

Gene: Donkeykong_67 Start: 43893, Stop: 44471, Start Num: 12
Candidate Starts for Donkeykong_67:
(Start: 12 @43893 has 111 MA's), (14, 43908), (15, 44028), (19, 44130), (20, 44220), (21, 44244), (22, 44292), (28, 44364), (29, 44394), (30, 44424), (31, 44448),

Gene: Doomphist_64 Start: 42388, Stop: 42966, Start Num: 12

Candidate Starts for Doomphist_64:
(Start: 12 @42388 has 111 MA's), (14, 42403), (15, 42523), (19, 42625), (20, 42715), (21, 42739), (22, 42787), (28, 42859), (29, 42889), (30, 42919), (31, 42943),

Gene: DosHalletts_66 Start: 42728, Stop: 43306, Start Num: 12
Candidate Starts for DosHalletts_66:
(4, 42623), (6, 42662), (Start: 12 @42728 has 111 MA's), (13, 42737), (15, 42863), (18, 42920), (20, 43055), (21, 43079), (22, 43127), (28, 43199), (29, 43229), (30, 43259), (31, 43283),

Gene: DotProduct_59 Start: 40227, Stop: 40805, Start Num: 12
Candidate Starts for DotProduct_59:
(Start: 12 @40227 has 111 MA's), (14, 40242), (15, 40362), (19, 40464), (20, 40554), (21, 40578), (22, 40626), (28, 40698), (29, 40728), (30, 40758), (31, 40782),

Gene: Doug_66 Start: 42060, Stop: 42638, Start Num: 12
Candidate Starts for Doug_66:
(Start: 12 @42060 has 111 MA's), (13, 42069), (15, 42195), (18, 42252), (20, 42387), (21, 42411), (22, 42459), (29, 42561), (30, 42591), (31, 42615),

Gene: Drago_61 Start: 39982, Stop: 40560, Start Num: 12
Candidate Starts for Drago_61:
(Start: 12 @39982 has 111 MA's), (14, 39997), (15, 40117), (19, 40219), (20, 40309), (21, 40333), (22, 40381), (28, 40453), (29, 40483), (30, 40513), (31, 40537),

Gene: Eish_67 Start: 41956, Stop: 42540, Start Num: 12
Candidate Starts for Eish_67:
(11, 41947), (Start: 12 @41956 has 111 MA's), (15, 42097), (20, 42289), (21, 42313), (22, 42361), (29, 42463), (30, 42493), (31, 42517),

Gene: EleanorGeorge_66 Start: 42742, Stop: 43320, Start Num: 12
Candidate Starts for EleanorGeorge_66:
(8, 42688), (Start: 12 @42742 has 111 MA's), (13, 42751), (17, 42925), (20, 43069), (21, 43093), (22, 43141), (28, 43213), (29, 43243), (30, 43273), (31, 43297),

Gene: Emmaloid_66 Start: 42487, Stop: 43065, Start Num: 12
Candidate Starts for Emmaloid_66:
(1, 42265), (2, 42355), (9, 42430), (10, 42439), (Start: 12 @42487 has 111 MA's), (14, 42502), (15, 42622), (17, 42670), (20, 42814), (21, 42838), (22, 42886), (29, 42988), (30, 43018), (31, 43042),

Gene: Enby_65 Start: 40258, Stop: 40836, Start Num: 12
Candidate Starts for Enby_65:
(Start: 12 @40258 has 111 MA's), (14, 40273), (15, 40393), (19, 40495), (20, 40585), (21, 40609), (22, 40657), (28, 40729), (29, 40759), (30, 40789), (31, 40813),

Gene: Filuzino_62 Start: 40285, Stop: 40863, Start Num: 12
Candidate Starts for Filuzino_62:
(Start: 12 @40285 has 111 MA's), (13, 40294), (15, 40420), (19, 40522), (20, 40612), (21, 40636), (22, 40684), (28, 40756), (29, 40786), (30, 40816), (31, 40840),

Gene: Firehouse51_67 Start: 45788, Stop: 46366, Start Num: 12
Candidate Starts for Firehouse51_67:
(8, 45734), (Start: 12 @45788 has 111 MA's), (13, 45797), (17, 45971), (20, 46115), (21, 46139), (22, 46187), (28, 46259), (29, 46289), (30, 46319), (31, 46343),

Gene: Flathead_65 Start: 41939, Stop: 42517, Start Num: 12
Candidate Starts for Flathead_65:
(Start: 12 @41939 has 111 MA's), (14, 41954), (15, 42074), (19, 42176), (20, 42266), (21, 42290), (22, 42338), (28, 42410), (29, 42440), (30, 42470), (31, 42494),

Gene: Florinda_75 Start: 43399, Stop: 43977, Start Num: 12
Candidate Starts for Florinda_75:
(Start: 12 @43399 has 111 MA's), (14, 43414), (15, 43534), (19, 43636), (20, 43726), (21, 43750), (22, 43798), (28, 43870), (29, 43900), (30, 43930), (31, 43954),

Gene: Fruitloop_60 Start: 41616, Stop: 42194, Start Num: 12
Candidate Starts for Fruitloop_60:
(Start: 12 @41616 has 111 MA's), (14, 41631), (15, 41751), (19, 41853), (20, 41943), (21, 41967), (22, 42015), (28, 42087), (29, 42117), (30, 42147), (31, 42171),

Gene: Galactic_63 Start: 41258, Stop: 41836, Start Num: 12
Candidate Starts for Galactic_63:
(Start: 12 @41258 has 111 MA's), (13, 41267), (15, 41393), (18, 41450), (20, 41585), (21, 41609), (22, 41657), (29, 41759), (30, 41789), (31, 41813),

Gene: GigiOuiOui_60 Start: 40247, Stop: 40825, Start Num: 12
Candidate Starts for GigiOuiOui_60:
(Start: 12 @40247 has 111 MA's), (13, 40256), (15, 40382), (20, 40574), (21, 40598), (22, 40646), (28, 40718), (29, 40748), (30, 40778), (31, 40802),

Gene: Girafales_72 Start: 43190, Stop: 43768, Start Num: 12
Candidate Starts for Girafales_72:
(Start: 12 @43190 has 111 MA's), (14, 43205), (15, 43325), (19, 43427), (20, 43517), (21, 43541), (22, 43589), (28, 43661), (29, 43691), (30, 43721), (31, 43745),

Gene: Girr_62 Start: 41117, Stop: 41695, Start Num: 12
Candidate Starts for Girr_62:
(Start: 12 @41117 has 111 MA's), (13, 41126), (15, 41252), (18, 41309), (20, 41444), (21, 41468), (22, 41516), (29, 41618), (30, 41648), (31, 41672),

Gene: Guppsters_65 Start: 41402, Stop: 41980, Start Num: 12
Candidate Starts for Guppsters_65:
(1, 41180), (2, 41270), (9, 41345), (10, 41354), (Start: 12 @41402 has 111 MA's), (14, 41417), (16, 41546), (17, 41585), (20, 41729), (21, 41753), (22, 41801), (29, 41903), (30, 41933), (31, 41957),

Gene: Hades_65 Start: 42117, Stop: 42695, Start Num: 12
Candidate Starts for Hades_65:
(Start: 12 @42117 has 111 MA's), (14, 42132), (15, 42252), (18, 42309), (20, 42444), (21, 42468), (22, 42516), (29, 42618), (30, 42648), (31, 42672),

Gene: Hamulus_64 Start: 41759, Stop: 42337, Start Num: 12
Candidate Starts for Hamulus_64:
(Start: 12 @41759 has 111 MA's), (14, 41774), (15, 41894), (19, 41996), (20, 42086), (21, 42110), (22, 42158), (28, 42230), (29, 42260), (30, 42290), (31, 42314),

Gene: Harley_66 Start: 42366, Stop: 42944, Start Num: 12
Candidate Starts for Harley_66:

(Start: 12 @42366 has 111 MA's), (13, 42375), (15, 42501), (18, 42558), (20, 42693), (21, 42717), (22, 42765), (29, 42867), (30, 42897), (31, 42921),

Gene: Hlubikazi_60 Start: 39337, Stop: 39915, Start Num: 12
Candidate Starts for Hlubikazi_60:
(Start: 12 @39337 has 111 MA's), (14, 39352), (15, 39472), (19, 39574), (20, 39664), (21, 39688), (22, 39736), (28, 39808), (29, 39838), (30, 39868), (31, 39892),

Gene: IMpilo_60 Start: 39388, Stop: 39966, Start Num: 12
Candidate Starts for IMpilo_60:
(Start: 12 @39388 has 111 MA's), (14, 39403), (15, 39523), (19, 39625), (20, 39715), (21, 39739), (22, 39787), (28, 39859), (29, 39889), (30, 39919), (31, 39943),

Gene: Ibhubesi_64 Start: 41382, Stop: 41960, Start Num: 12
Candidate Starts for Ibhubesi_64:
(Start: 12 @41382 has 111 MA's), (13, 41391), (15, 41517), (18, 41574), (20, 41709), (21, 41733), (22, 41781), (23, 41802), (24, 41811), (26, 41835), (29, 41883), (30, 41913), (31, 41937),

Gene: IrishSherpFalk_65 Start: 42972, Stop: 43550, Start Num: 12
Candidate Starts for IrishSherpFalk_65:
(Start: 12 @42972 has 111 MA's), (14, 42987), (15, 43107), (19, 43209), (20, 43299), (21, 43323), (22, 43371), (28, 43443), (29, 43473), (30, 43503), (31, 43527),

Gene: JalFarm20_77 Start: 45441, Stop: 46019, Start Num: 12
Candidate Starts for JalFarm20_77:
(Start: 12 @45441 has 111 MA's), (14, 45456), (15, 45576), (19, 45678), (20, 45768), (21, 45792), (22, 45840), (28, 45912), (29, 45942), (30, 45972), (31, 45996),

Gene: Jant_68 Start: 43019, Stop: 43597, Start Num: 12
Candidate Starts for Jant_68:
(Start: 12 @43019 has 111 MA's), (14, 43034), (15, 43154), (19, 43256), (20, 43346), (21, 43370), (22, 43418), (29, 43520), (30, 43550), (31, 43574),

Gene: Juice456_65 Start: 43397, Stop: 43975, Start Num: 12
Candidate Starts for Juice456_65:
(Start: 12 @43397 has 111 MA's), (14, 43412), (15, 43532), (19, 43634), (20, 43724), (21, 43748), (22, 43796), (28, 43868), (29, 43898), (30, 43928), (31, 43952),

Gene: Kimberlium_69 Start: 43678, Stop: 44256, Start Num: 12
Candidate Starts for Kimberlium_69:
(3, 43567), (7, 43621), (Start: 12 @43678 has 111 MA's), (13, 43687), (15, 43813), (20, 44005), (21, 44029), (22, 44077), (28, 44149), (29, 44179), (30, 44209), (31, 44233),

Gene: KingJulian_65 Start: 40905, Stop: 41483, Start Num: 12
Candidate Starts for KingJulian_65:
(1, 40683), (2, 40773), (9, 40848), (10, 40857), (Start: 12 @40905 has 111 MA's), (14, 40920), (15, 41040), (19, 41142), (20, 41232), (21, 41256), (22, 41304), (28, 41376), (29, 41406), (30, 41436), (31, 41460),

Gene: Krakatau_61 Start: 40570, Stop: 41148, Start Num: 12
Candidate Starts for Krakatau_61:
(Start: 12 @40570 has 111 MA's), (14, 40585), (15, 40705), (17, 40753), (20, 40897), (21, 40921), (22, 40969), (25, 41020), (27, 41026), (28, 41041), (29, 41071), (30, 41101), (31, 41125),

Gene: KristaRAM_67 Start: 43766, Stop: 44344, Start Num: 12
Candidate Starts for KristaRAM_67:
(Start: 12 @43766 has 111 MA's), (14, 43781), (15, 43901), (19, 44003), (20, 44093), (21, 44117), (22, 44165), (28, 44237), (29, 44267), (30, 44297), (31, 44321),

Gene: Leozinho_63 Start: 40576, Stop: 41154, Start Num: 12
Candidate Starts for Leozinho_63:
(4, 40471), (6, 40510), (Start: 12 @40576 has 111 MA's), (13, 40585), (15, 40711), (18, 40768), (20, 40903), (21, 40927), (22, 40975), (28, 41047), (29, 41077), (30, 41107), (31, 41131),

Gene: LittleShirley_64 Start: 42218, Stop: 42796, Start Num: 12
Candidate Starts for LittleShirley_64:
(1, 41996), (2, 42086), (9, 42161), (10, 42170), (Start: 12 @42218 has 111 MA's), (14, 42233), (15, 42353), (17, 42401), (20, 42545), (21, 42569), (22, 42617), (29, 42719), (30, 42749), (31, 42773),

Gene: Llij_60 Start: 40136, Stop: 40714, Start Num: 12
Candidate Starts for Llij_60:
(Start: 12 @40136 has 111 MA's), (14, 40151), (15, 40271), (19, 40373), (20, 40463), (21, 40487), (22, 40535), (28, 40607), (29, 40637), (30, 40667), (31, 40691),

Gene: Lorde_64 Start: 39423, Stop: 40001, Start Num: 12
Candidate Starts for Lorde_64:
(Start: 12 @39423 has 111 MA's), (14, 39438), (15, 39558), (19, 39660), (20, 39750), (21, 39774), (22, 39822), (28, 39894), (29, 39924), (30, 39954), (31, 39978),

Gene: Lucia_63 Start: 40256, Stop: 40834, Start Num: 12
Candidate Starts for Lucia_63:
(Start: 12 @40256 has 111 MA's), (14, 40271), (15, 40391), (19, 40493), (20, 40583), (21, 40607), (22, 40655), (28, 40727), (29, 40757), (30, 40787), (31, 40811),

Gene: LunaBlu_66 Start: 41917, Stop: 42495, Start Num: 12
Candidate Starts for LunaBlu_66:
(Start: 12 @41917 has 111 MA's), (13, 41926), (15, 42052), (18, 42109), (20, 42244), (21, 42268), (22, 42316), (29, 42418), (30, 42448), (31, 42472),

Gene: Madiba_65 Start: 41150, Stop: 41728, Start Num: 12
Candidate Starts for Madiba_65:
(3, 41039), (Start: 12 @41150 has 111 MA's), (13, 41159), (15, 41285), (20, 41477), (21, 41501), (22, 41549), (29, 41651), (30, 41681), (31, 41705),

Gene: Mahavrat_61 Start: 40856, Stop: 41434, Start Num: 12
Candidate Starts for Mahavrat_61:
(Start: 12 @40856 has 111 MA's), (13, 40865), (15, 40991), (18, 41048), (20, 41183), (21, 41207), (22, 41255), (29, 41357), (30, 41387), (31, 41411),

Gene: Mandlovu_60 Start: 39279, Stop: 39857, Start Num: 12
Candidate Starts for Mandlovu_60:
(Start: 12 @39279 has 111 MA's), (14, 39294), (15, 39414), (19, 39516), (20, 39606), (21, 39630), (22, 39678), (28, 39750), (29, 39780), (30, 39810), (31, 39834),

Gene: Melissauren88_62 Start: 40797, Stop: 41375, Start Num: 12
Candidate Starts for Melissauren88_62:

(Start: 12 @40797 has 111 MA's), (14, 40812), (15, 40932), (19, 41034), (20, 41124), (21, 41148), (22, 41196), (28, 41268), (29, 41298), (30, 41328), (31, 41352),

Gene: MilanaBonita_54 Start: 37373, Stop: 37951, Start Num: 12
Candidate Starts for MilanaBonita_54:
(Start: 12 @37373 has 111 MA's), (13, 37382), (15, 37508), (19, 37610), (20, 37700), (21, 37724), (22, 37772), (28, 37844), (29, 37874), (30, 37904), (31, 37928),

Gene: MilleniumForce_67 Start: 43485, Stop: 44063, Start Num: 12
Candidate Starts for MilleniumForce_67:
(Start: 12 @43485 has 111 MA's), (14, 43500), (15, 43620), (20, 43812), (21, 43836), (22, 43884), (25, 43935), (27, 43941), (28, 43956), (29, 43986), (30, 44016), (31, 44040),

Gene: MisterCuddles_62 Start: 41117, Stop: 41695, Start Num: 12
Candidate Starts for MisterCuddles_62:
(Start: 12 @41117 has 111 MA's), (13, 41126), (15, 41252), (18, 41309), (20, 41444), (21, 41468), (22, 41516), (29, 41618), (30, 41648), (31, 41672),

Gene: Mova_68 Start: 41654, Stop: 42232, Start Num: 12
Candidate Starts for Mova_68:
(3, 41543), (Start: 12 @41654 has 111 MA's), (13, 41663), (15, 41789), (20, 41981), (21, 42005), (22, 42053), (29, 42155), (30, 42185), (31, 42209),

Gene: Ms6_61 Start: 37162, Stop: 37740, Start Num: 12
Candidate Starts for Ms6_61:
(1, 36940), (2, 37030), (9, 37105), (10, 37114), (Start: 12 @37162 has 111 MA's), (14, 37177), (15, 37297), (19, 37399), (20, 37489), (21, 37513), (22, 37561), (28, 37633), (29, 37663), (30, 37693), (31, 37717),

Gene: MulchExplorer_68 Start: 43677, Stop: 44255, Start Num: 12
Candidate Starts for MulchExplorer_68:
(3, 43566), (7, 43620), (Start: 12 @43677 has 111 MA's), (13, 43686), (15, 43812), (20, 44004), (21, 44028), (22, 44076), (28, 44148), (29, 44178), (30, 44208), (31, 44232),

Gene: Mutaforma13_70 Start: 45098, Stop: 45676, Start Num: 12
Candidate Starts for Mutaforma13_70:
(8, 45044), (Start: 12 @45098 has 111 MA's), (13, 45107), (17, 45281), (20, 45425), (21, 45449), (22, 45497), (28, 45569), (29, 45599), (30, 45629), (31, 45653),

Gene: Okabe_59 Start: 37710, Stop: 38288, Start Num: 12
Candidate Starts for Okabe_59:
(Start: 12 @37710 has 111 MA's), (14, 37725), (15, 37845), (19, 37947), (20, 38037), (21, 38061), (22, 38109), (28, 38181), (29, 38211), (30, 38241), (31, 38265),

Gene: Ovechkin_64 Start: 42113, Stop: 42691, Start Num: 12
Candidate Starts for Ovechkin_64:
(Start: 12 @42113 has 111 MA's), (14, 42128), (15, 42248), (19, 42350), (20, 42440), (21, 42464), (22, 42512), (28, 42584), (29, 42614), (30, 42644), (31, 42668),

Gene: OwlsT2W_64 Start: 41445, Stop: 42023, Start Num: 12
Candidate Starts for OwlsT2W_64:
(Start: 12 @41445 has 111 MA's), (14, 41460), (15, 41580), (19, 41682), (20, 41772), (21, 41796), (22, 41844), (29, 41946), (30, 41976), (31, 42000),

Gene: PMC_61 Start: 41835, Stop: 42413, Start Num: 12
Candidate Starts for PMC_61:
(Start: 12 @41835 has 111 MA's), (14, 41850), (15, 41970), (19, 42072), (20, 42162), (21, 42186), (22, 42234), (28, 42306), (29, 42336), (30, 42366), (31, 42390),

Gene: PatoPoderoso_62 Start: 40905, Stop: 41483, Start Num: 12
Candidate Starts for PatoPoderoso_62:
(1, 40683), (2, 40773), (9, 40848), (10, 40857), (Start: 12 @40905 has 111 MA's), (14, 40920), (15, 41040), (19, 41142), (20, 41232), (21, 41256), (22, 41304), (28, 41376), (29, 41406), (30, 41436), (31, 41460),

Gene: Peridot_63 Start: 41137, Stop: 41715, Start Num: 12
Candidate Starts for Peridot_63:
(1, 40915), (2, 41005), (9, 41080), (10, 41089), (Start: 12 @41137 has 111 MA's), (14, 41152), (15, 41272), (17, 41320), (20, 41464), (21, 41488), (22, 41536), (29, 41638), (30, 41668), (31, 41692),

Gene: Phalconet_62 Start: 40048, Stop: 40626, Start Num: 12
Candidate Starts for Phalconet_62:
(Start: 12 @40048 has 111 MA's), (13, 40057), (15, 40183), (19, 40285), (20, 40375), (21, 40399), (22, 40447), (28, 40519), (29, 40549), (30, 40579), (31, 40603),

Gene: Phanphagia_60 Start: 41659, Stop: 42237, Start Num: 12
Candidate Starts for Phanphagia_60:
(Start: 12 @41659 has 111 MA's), (14, 41674), (15, 41794), (20, 41986), (21, 42010), (22, 42058), (28, 42130), (29, 42160), (30, 42190), (31, 42214),

Gene: Phatniss_62 Start: 41231, Stop: 41809, Start Num: 12
Candidate Starts for Phatniss_62:
(Start: 12 @41231 has 111 MA's), (14, 41246), (15, 41366), (19, 41468), (20, 41558), (21, 41582), (22, 41630), (28, 41702), (29, 41732), (30, 41762), (31, 41786),

Gene: PhesterPhotato_64 Start: 40868, Stop: 41446, Start Num: 12
Candidate Starts for PhesterPhotato_64:
(Start: 12 @40868 has 111 MA's), (13, 40877), (15, 41003), (19, 41105), (20, 41195), (21, 41219), (22, 41267), (28, 41339), (29, 41369), (30, 41399), (31, 41423),

Gene: Plumbus_67 Start: 41998, Stop: 42576, Start Num: 12
Candidate Starts for Plumbus_67:
(1, 41776), (2, 41866), (9, 41941), (10, 41950), (Start: 12 @41998 has 111 MA's), (14, 42013), (15, 42133), (17, 42181), (20, 42325), (21, 42349), (22, 42397), (25, 42448), (28, 42469), (29, 42499), (30, 42529), (31, 42553),

Gene: Poenanya_64 Start: 42388, Stop: 42966, Start Num: 12
Candidate Starts for Poenanya_64:
(Start: 12 @42388 has 111 MA's), (14, 42403), (15, 42523), (19, 42625), (20, 42715), (21, 42739), (22, 42787), (28, 42859), (29, 42889), (30, 42919), (31, 42943),

Gene: PopTart_58 Start: 39673, Stop: 40251, Start Num: 12
Candidate Starts for PopTart_58:
(Start: 12 @39673 has 111 MA's), (13, 39682), (15, 39808), (19, 39910), (20, 40000), (21, 40024), (22, 40072), (28, 40144), (29, 40174), (30, 40204), (31, 40228),

Gene: QuickMath_68 Start: 43901, Stop: 44479, Start Num: 12
Candidate Starts for QuickMath_68:
(3, 43790), (7, 43844), (Start: 12 @43901 has 111 MA's), (13, 43910), (15, 44036), (20, 44228), (21, 44252), (22, 44300), (28, 44372), (29, 44402), (30, 44432), (31, 44456),

Gene: Quico_72 Start: 43219, Stop: 43797, Start Num: 12
Candidate Starts for Quico_72:
(Start: 12 @43219 has 111 MA's), (14, 43234), (15, 43354), (19, 43456), (20, 43546), (21, 43570), (22, 43618), (28, 43690), (29, 43720), (30, 43750), (31, 43774),

Gene: Radiance_63 Start: 41326, Stop: 41904, Start Num: 12
Candidate Starts for Radiance_63:
(Start: 12 @41326 has 111 MA's), (14, 41341), (15, 41461), (19, 41563), (20, 41653), (21, 41677), (22, 41725), (29, 41827), (30, 41857), (31, 41881),

Gene: Ramsey_63 Start: 41639, Stop: 42217, Start Num: 12
Candidate Starts for Ramsey_63:
(Start: 12 @41639 has 111 MA's), (14, 41654), (15, 41774), (19, 41876), (20, 41966), (21, 41990), (22, 42038), (28, 42110), (29, 42140), (30, 42170), (31, 42194),

Gene: Rialto_69 Start: 43854, Stop: 44438, Start Num: 12
Candidate Starts for Rialto_69:
(11, 43845), (Start: 12 @43854 has 111 MA's), (15, 43995), (20, 44187), (21, 44211), (22, 44259), (29, 44361), (30, 44391), (31, 44415),

Gene: Rita_65 Start: 39938, Stop: 40516, Start Num: 12
Candidate Starts for Rita_65:
(Start: 12 @39938 has 111 MA's), (14, 39953), (15, 40073), (17, 40121), (19, 40175), (20, 40265), (21, 40289), (22, 40337), (24, 40367), (25, 40388), (27, 40394), (28, 40409), (29, 40439), (30, 40469), (31, 40493),

Gene: Rockne_65 Start: 41847, Stop: 42425, Start Num: 12
Candidate Starts for Rockne_65:
(Start: 12 @41847 has 111 MA's), (14, 41862), (15, 41982), (19, 42084), (20, 42174), (21, 42198), (22, 42246), (28, 42318), (29, 42348), (30, 42378), (31, 42402),

Gene: RockyHorror_65 Start: 40989, Stop: 41567, Start Num: 12
Candidate Starts for RockyHorror_65:
(Start: 12 @40989 has 111 MA's), (13, 40998), (15, 41124), (18, 41181), (20, 41316), (21, 41340), (22, 41388), (29, 41490), (30, 41520), (31, 41544),

Gene: Ruby_60 Start: 41118, Stop: 41696, Start Num: 12
Candidate Starts for Ruby_60:
(Start: 12 @41118 has 111 MA's), (13, 41127), (15, 41253), (18, 41310), (20, 41445), (21, 41469), (22, 41517), (29, 41619), (30, 41649), (31, 41673),

Gene: SG4_61 Start: 40725, Stop: 41303, Start Num: 12
Candidate Starts for SG4_61:
(Start: 12 @40725 has 111 MA's), (14, 40740), (15, 40860), (19, 40962), (20, 41052), (21, 41076), (22, 41124), (28, 41196), (29, 41226), (30, 41256), (31, 41280),

Gene: Sabbb_68 Start: 42259, Stop: 42837, Start Num: 12
Candidate Starts for Sabbb_68:

(3, 42148), (7, 42202), (Start: 12 @42259 has 111 MA's), (13, 42268), (15, 42394), (18, 42451), (20, 42586), (21, 42610), (22, 42658), (29, 42760), (30, 42790), (31, 42814),

Gene: SassyB_58 Start: 39673, Stop: 40251, Start Num: 12
Candidate Starts for SassyB_58:
(Start: 12 @39673 has 111 MA's), (13, 39682), (15, 39808), (19, 39910), (20, 40000), (21, 40024), (22, 40072), (28, 40144), (29, 40174), (30, 40204), (31, 40228),

Gene: Seagreen_63 Start: 41028, Stop: 41606, Start Num: 12
Candidate Starts for Seagreen_63:
(Start: 12 @41028 has 111 MA's), (14, 41043), (15, 41163), (19, 41265), (20, 41355), (21, 41379), (22, 41427), (28, 41499), (29, 41529), (30, 41559), (31, 41583),

Gene: Shauna1_62 Start: 41568, Stop: 42146, Start Num: 12
Candidate Starts for Shauna1_62:
(Start: 12 @41568 has 111 MA's), (14, 41583), (15, 41703), (19, 41805), (20, 41895), (21, 41919), (22, 41967), (28, 42039), (29, 42069), (30, 42099), (31, 42123),

Gene: ShroomBoi_66 Start: 42177, Stop: 42755, Start Num: 12
Candidate Starts for ShroomBoi_66:
(Start: 12 @42177 has 111 MA's), (14, 42192), (15, 42312), (18, 42369), (20, 42504), (21, 42528), (22, 42576), (29, 42678), (30, 42708), (31, 42732),

Gene: SiSi_62 Start: 40627, Stop: 41205, Start Num: 12
Candidate Starts for SiSi_62:
(Start: 12 @40627 has 111 MA's), (14, 40642), (15, 40762), (19, 40864), (20, 40954), (21, 40978), (22, 41026), (28, 41098), (29, 41128), (30, 41158), (31, 41182),

Gene: SilverChicken_74 Start: 41537, Stop: 42115, Start Num: 12
Candidate Starts for SilverChicken_74:
(Start: 12 @41537 has 111 MA's), (14, 41552), (15, 41672), (20, 41864), (21, 41888), (22, 41936), (28, 42008), (29, 42038), (30, 42068), (31, 42092),

Gene: Slim_66 Start: 42478, Stop: 43056, Start Num: 12
Candidate Starts for Slim_66:
(1, 42256), (2, 42346), (9, 42421), (10, 42430), (Start: 12 @42478 has 111 MA's), (14, 42493), (15, 42613), (17, 42661), (20, 42805), (21, 42829), (22, 42877), (29, 42979), (30, 43009), (31, 43033),

Gene: Soul22_70 Start: 42902, Stop: 43480, Start Num: 12
Candidate Starts for Soul22_70:
(Start: 12 @42902 has 111 MA's), (13, 42911), (15, 43037), (20, 43229), (21, 43253), (22, 43301), (29, 43403), (30, 43433), (31, 43457),

Gene: Sparkdehlily_71 Start: 42690, Stop: 43268, Start Num: 12
Candidate Starts for Sparkdehlily_71:
(Start: 12 @42690 has 111 MA's), (14, 42705), (15, 42825), (20, 43017), (21, 43041), (22, 43089), (28, 43161), (29, 43191), (30, 43221), (31, 43245),

Gene: Spartacus_66 Start: 41888, Stop: 42466, Start Num: 12
Candidate Starts for Spartacus_66:
(Start: 12 @41888 has 111 MA's), (14, 41903), (15, 42023), (19, 42125), (20, 42215), (21, 42239), (22, 42287), (28, 42359), (29, 42389), (30, 42419), (31, 42443),

Gene: Spikelee_71 Start: 43487, Stop: 44065, Start Num: 12
Candidate Starts for Spikelee_71:
(Start: 12 @43487 has 111 MA's), (13, 43496), (15, 43622), (17, 43670), (20, 43814), (21, 43838), (22, 43886), (25, 43937), (27, 43943), (28, 43958), (29, 43988), (30, 44018), (31, 44042),

Gene: StAnnes_62 Start: 41746, Stop: 42324, Start Num: 12
Candidate Starts for StAnnes_62:
(Start: 12 @41746 has 111 MA's), (14, 41761), (15, 41881), (19, 41983), (20, 42073), (21, 42097), (22, 42145), (28, 42217), (29, 42247), (30, 42277), (31, 42301),

Gene: Starcevich_64 Start: 41369, Stop: 41947, Start Num: 12
Candidate Starts for Starcevich_64:
(Start: 12 @41369 has 111 MA's), (13, 41378), (15, 41504), (20, 41696), (21, 41720), (28, 41840), (29, 41870), (30, 41900), (31, 41924),

Gene: Strokeseat_60 Start: 39336, Stop: 39914, Start Num: 12
Candidate Starts for Strokeseat_60:
(Start: 12 @39336 has 111 MA's), (14, 39351), (15, 39471), (19, 39573), (20, 39663), (21, 39687), (22, 39735), (28, 39807), (29, 39837), (30, 39867), (31, 39891),

Gene: TDanisky_71 Start: 42690, Stop: 43268, Start Num: 12
Candidate Starts for TDanisky_71:
(Start: 12 @42690 has 111 MA's), (14, 42705), (15, 42825), (20, 43017), (21, 43041), (22, 43089), (28, 43161), (29, 43191), (30, 43221), (31, 43245),

Gene: Totinger_64 Start: 40944, Stop: 41522, Start Num: 12
Candidate Starts for Totinger_64:
(1, 40722), (2, 40812), (9, 40887), (10, 40896), (Start: 12 @40944 has 111 MA's), (14, 40959), (15, 41079), (17, 41127), (20, 41271), (21, 41295), (22, 41343), (29, 41445), (30, 41475), (31, 41499),

Gene: Tweety_64 Start: 42540, Stop: 43118, Start Num: 12
Candidate Starts for Tweety_64:
(Start: 12 @42540 has 111 MA's), (14, 42555), (15, 42675), (19, 42777), (20, 42867), (21, 42891), (22, 42939), (28, 43011), (29, 43041), (30, 43071), (31, 43095),

Gene: UncleRicky_63 Start: 41479, Stop: 42057, Start Num: 12
Candidate Starts for UncleRicky_63:
(Start: 12 @41479 has 111 MA's), (14, 41494), (15, 41614), (19, 41716), (20, 41806), (21, 41830), (22, 41878), (28, 41950), (29, 41980), (30, 42010), (31, 42034),

Gene: Veteran_61 Start: 40223, Stop: 40801, Start Num: 12
Candidate Starts for Veteran_61:
(Start: 12 @40223 has 111 MA's), (13, 40232), (15, 40358), (20, 40550), (21, 40574), (22, 40622), (29, 40724), (30, 40754), (31, 40778),

Gene: Violac_65 Start: 42347, Stop: 42931, Start Num: 12
Candidate Starts for Violac_65:
(11, 42338), (Start: 12 @42347 has 111 MA's), (15, 42488), (20, 42680), (21, 42704), (22, 42752), (29, 42854), (30, 42884), (31, 42908),

Gene: WillSterrel_65 Start: 43005, Stop: 43583, Start Num: 12
Candidate Starts for WillSterrel_65:

(Start: 12 @43005 has 111 MA's), (14, 43020), (15, 43140), (19, 43242), (20, 43332), (21, 43356), (22, 43404), (28, 43476), (29, 43506), (30, 43536), (31, 43560),

Gene: XFactor_62 Start: 40257, Stop: 40835, Start Num: 12
Candidate Starts for XFactor_62:
(Start: 12 @40257 has 111 MA's), (14, 40272), (15, 40392), (19, 40494), (20, 40584), (21, 40608), (22, 40656), (28, 40728), (29, 40758), (30, 40788), (31, 40812),

Gene: Zerg_64 Start: 41101, Stop: 41679, Start Num: 12
Candidate Starts for Zerg_64:
(Start: 12 @41101 has 111 MA's), (13, 41110), (15, 41236), (18, 41293), (20, 41428), (21, 41452), (22, 41500), (29, 41602), (30, 41632), (31, 41656),