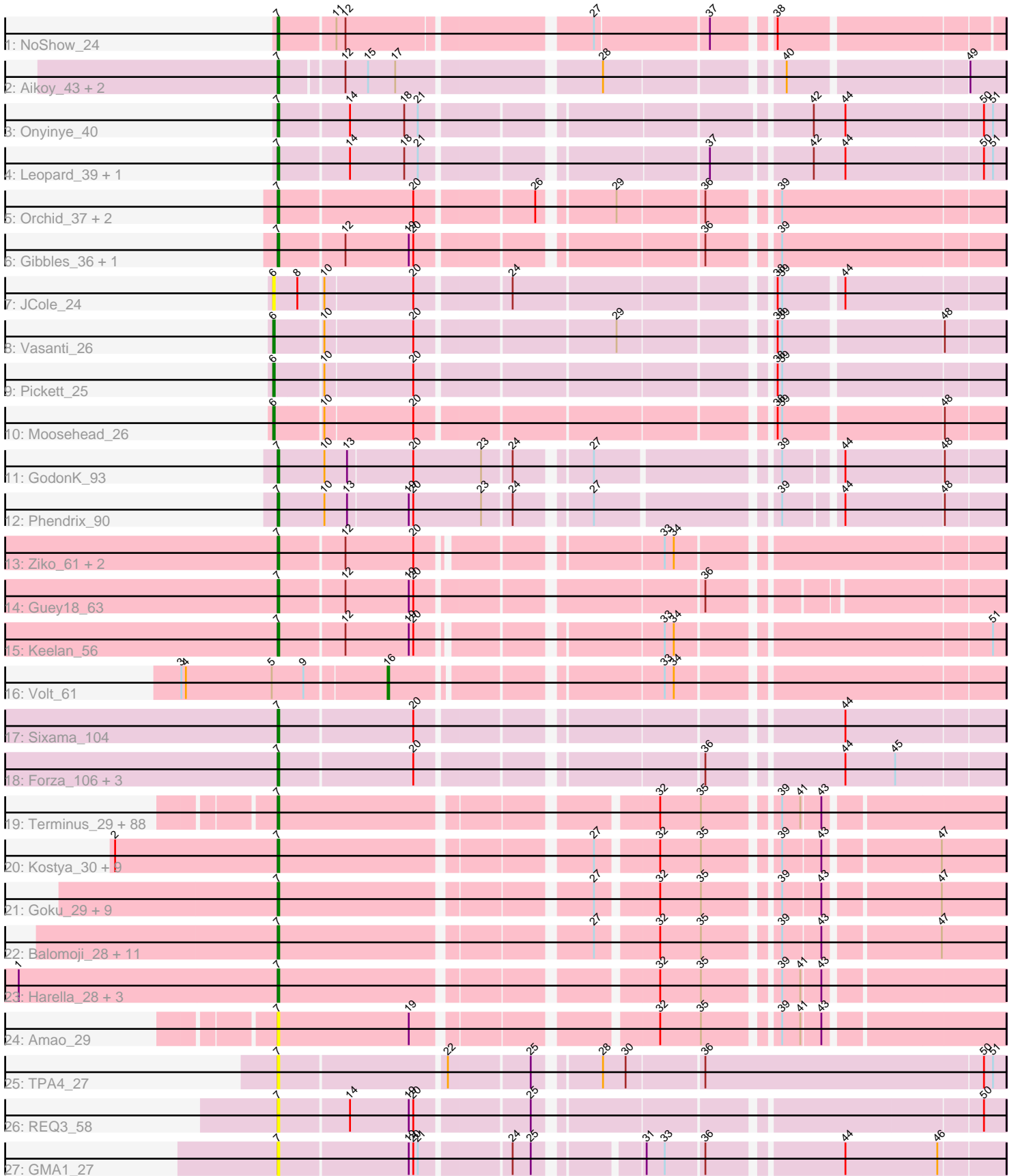


Pham 157641



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 157641 Report

This analysis was run 04/13/24 on database version 558.

Pham number 157641 has 158 members, 15 are drafts.

Phages represented in each track:

- Track 1 : NoShow_24
- Track 2 : Aikoy_43, Onyinye_44, Leopard_43
- Track 3 : Onyinye_40
- Track 4 : Leopard_39, Aikoy_39
- Track 5 : Orchid_37, Kampe_38, PatrickStar_38
- Track 6 : Gibbles_36, RobinSparkles_40
- Track 7 : JCole_24
- Track 8 : Vasanti_26
- Track 9 : Pickett_25
- Track 10 : Moosehead_26
- Track 11 : GodonK_93
- Track 12 : Phendrix_90
- Track 13 : Ziko_61, Ronaldo_61, Fryberger_58
- Track 14 : Guey18_63
- Track 15 : Keelan_56
- Track 16 : Volt_61
- Track 17 : Sixama_104
- Track 18 : Forza_106, Boopy_106, BlueNGold_105, Mareelih_104
- Track 19 : Terminus_29, BaboJay_28, Stark_30, 244_31, Gemini_32, Murica_28, Inca_28, ChosenOne_29, Elph10_30, Maxxinista_30, Moldemort_30, Emmina_30, Tarkin_31, DoctorDiddles_29, Hoonter_31, Bruin_29, Gage_31, Cjw1_29, ChotaBhai_29, Hopey_31, Saints25_30, ShereKhan_31, HanKaySha_30, Petra64142_31, Highbury_30, Contagion_28, Argent26_31, Xandras_31, Wiggin_32, HufflyPuff_28, StolenFromERC_31, Lilpickle_28, Quallification_30, Easy2Say_31, DrDrey_30, Paperbeatsrock_31, Holt_30, FireRed_29, Kimchi_31, Mosby_28, Nimrod_29, Willez_28, MISSy_28, Phaux_28, JeTaime_31, Manda_30, Rimmer_28, StellaBean_29, Stank_32, MadamMonkfish_29, TBrady12_31, Filch_30, RiverMonster_29, Teaspoon_30, Pumpkin_31, Tomaszewski_28, Ukulele_29, Pat3_28, Dumbo_29, Czyszczonek_30, xkcd_30, NoSleep_30, Phrux_29, Porky_29, Kanye_31, Buck_28, Sassay_28, Adnama_32, Elite2014_28, BigBubba_30, SophKB_29, GoldenSpark_31, GooberAzure_31, Thresher_30, YassJohnny_30, Miniwave_29, Lilizi_31, OrionPax_30, AmericanBeauty_32, PhatBacter_29, Goldilocks_30, Simpliphy_30, Bench_31, Lilac_31, Murphy_30, Pharsalus_30, MPhalcon_28, Misfit_29, Cookies_29
- Track 20 : Kostya_30, Daikon_28, ShamWow_29, BilboSwaggins_29, Henry_30, Mindy_29, IHOP_29, Toto_29, Phaja_29, CrystalP_29

- Track 21 : Goku_29, Bask21_29, SirDuracell_28, Sotrice96_29, NelitzaMV_29, Marshmallow_29, Cactus_30, Eureka_29, Command613_30, Icee_28
- Track 22 : Balomoji_28, Dusk_28, BadStone_28, Tuco_30, Rakim_30, ABCat_28, Barbarian_28, Myrale_29, Traaww1_27, TeardropMSU_28, Gator_27, Asriel_28
- Track 23 : Harella_28, Flypotenuse_27, Glexan_27, Youngblood_29
- Track 24 : Amao_29
- Track 25 : TPA4_27
- Track 26 : REQ3_58
- Track 27 : GMA1_27

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

The start number called the most often in the published annotations is 7, it was called in 139 of the 143 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_31, ABCat_28, Adnama_32, Aikoy_39, Aikoy_43, Amao_29, AmericanBeauty_32, Argent26_31, Asriel_28, BaboJay_28, BadStone_28, Balomoji_28, Barbarian_28, Bask21_29, Bench_31, BigBubba_30, BilboSwaggins_29, BlueNGold_105, Boopy_106, Bruin_29, Buck_28, Cactus_30, ChosenOne_29, ChotaBhai_29, Cjw1_29, Command613_30, Contagion_28, Cookies_29, CrystalP_29, Czyszczonek_30, Daikon_28, DoctorDiddles_29, DrDrey_30, Dumbo_29, Dusk_28, Easy2Say_31, Elite2014_28, Elph10_30, Emmina_30, Eureka_29, Filch_30, FireRed_29, Flypotenuse_27, Forza_106, Fryberger_58, GMA1_27, Gage_31, Gator_27, Gemini_32, Gibbles_36, Glexan_27, GodonK_93, Goku_29, GoldenSpark_31, Goldilocks_30, GooberAzure_31, Guey18_63, HanKaySha_30, Harella_28, Henry_30, Highbury_30, Holt_30, Hoonter_31, Hopey_31, HufflyPuff_28, IHOP_29, Icee_28, Inca_28, JeTaime_31, Kampe_38, Kanye_31, Keelan_56, Kimchi_31, Kostya_30, Leopard_39, Leopard_43, Lilac_31, Lilizi_31, Lilpickle_28, MISSy_28, MPhalcon_28, MadamMonkfish_29, Manda_30, Mareelih_104, Marshmallow_29, Maxxinista_30, Mindy_29, Miniwave_29, Misfit_29, Moldemort_30, Mosby_28, Murica_28, Murphy_30, Myrale_29, NelitzaMV_29, Nimrod_29, NoShow_24, NoSleep_30, Onyinye_40, Onyinye_44, Orchid_37, OrionPax_30, Paperbeatsrock_31, Pat3_28, PatrickStar_38, Petra64142_31, Phaja_29, Pharsalus_30, PhatBacter_29, Phaux_28, Phendrix_90, Phrux_29, Porky_29, Pumpkin_31, Quallification_30, REQ3_58, Rakim_30, Rimmer_28, RiverMonster_29, RobinSparkles_40, Ronaldo_61, Saints25_30, Sassay_28, ShamWow_29, ShereKhan_31, Simpliphy_30, SirDuracell_28, Sixama_104, SophKB_29, Sotrice96_29, Stank_32, Stark_30, StellaBean_29, StolenFromERC_31, TBrady12_31, TPA4_27, Tarkin_31, TeardropMSU_28, Teaspoon_30, Terminus_29, Thresher_30, Tomaszewski_28, Toto_29, Traaww1_27, Tuco_30, Ukulele_29, Wiggin_32, Willez_28, Xandras_31, YassJohnny_30, Youngblood_29, Ziko_61, xkcd_30,

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

-

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

- JCole_24, Moosehead_26, Pickett_25, Vasanti_26, Volt_61,

Summary by start number:

Start 6:

- Found in 4 of 158 (2.5%) of genes in pham
- Manual Annotations of this start: 3 of 143
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JCole_24 (CZ2), Moosehead_26 (CZ6), Pickett_25 (CZ2), Vasanti_26 (CZ2),

Start 7:

- Found in 153 of 158 (96.8%) of genes in pham
- Manual Annotations of this start: 139 of 143
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 244_31 (E), ABCat_28 (E), Adnama_32 (E), Aikoy_39 (AE), Aikoy_43 (AE), Amao_29 (E), AmericanBeauty_32 (E), Argent26_31 (E), Asriel_28 (E), BaboJay_28 (E), BadStone_28 (E), Balomoji_28 (E), Barbarian_28 (E), Bask21_29 (E), Bench_31 (E), BigBubba_30 (E), BilboSwaggins_29 (E), BlueNGold_105 (DS), Boopy_106 (DS), Bruin_29 (E), Buck_28 (E), Cactus_30 (E), ChosenOne_29 (E), ChotaBhai_29 (E), Cjw1_29 (E), Command613_30 (E), Contagion_28 (E), Cookies_29 (E), CrystalP_29 (E), Czystczon1_30 (E), Daikon_28 (E), DoctorDiddles_29 (E), DrDrey_30 (E), Dumbo_29 (E), Dusk_28 (E), Easy2Say_31 (E), Elite2014_28 (E), Elph10_30 (E), Emmina_30 (E), Eureka_29 (E), Filch_30 (E), FireRed_29 (E), Flypotenuse_27 (E), Forza_106 (DS), Fryberger_58 (DP), GMA1_27 (singleton), Gage_31 (E), Gator_27 (E), Gemini_32 (E), Gibbles_36 (CX), Glexan_27 (E), GodonK_93 (DK), Goku_29 (E), GoldenSpark_31 (E), Goldilocks_30 (E), GooberAzure_31 (E), Guey18_63 (DP), HanKaySha_30 (E), Harella_28 (E), Henry_30 (E), Highbury_30 (E), Holt_30 (E), Hoonter_31 (E), Hokey_31 (E), HufflyPuff_28 (E), IHOP_29 (E), Icee_28 (E), Inca_28 (E), JeTaimie_31 (E), Kampe_38 (CX), Kanye_31 (E), Keelan_56 (DP), Kimchi_31 (E), Kostya_30 (E), Leopard_39 (AE), Leopard_43 (AE), Lilac_31 (E), Lilizi_31 (E), Lilpickle_28 (E), MISSy_28 (E), MPhalcon_28 (E), MadamMonkfish_29 (E), Manda_30 (E), Mareelih_104 (DS), Marshmallow_29 (E), Maxxinista_30 (E), Mindy_29 (E), Miniwave_29 (E), Misfit_29 (E), Moldemort_30 (E), Mosby_28 (E), Murica_28 (E), Murphy_30 (E), Myrale_29 (E), NelitzaMV_29 (E), Nimrod_29 (E), NoShow_24 (AB), NoSleep_30 (E), Onyinye_40 (AE), Onyinye_44 (AE), Orchid_37 (CX), OrionPax_30 (E), Paperbeatsrock_31 (E), Pat3_28 (E), PatrickStar_38 (CX), Petra64142_31 (E), Phaja_29 (E), Pharsalus_30 (E), PhatBacter_29 (E), Phaux_28 (E), Phendrix_90 (DK), Phrux_29 (E), Porky_29 (E), Pumpkin_31 (E), Quallification_30 (E), REQ3_58 (singleton), Rakim_30 (E), Rimmer_28 (E), RiverMonster_29 (E), RobinSparkles_40 (CX), Ronaldo_61 (DP), Saints25_30 (E), Sassay_28 (E), ShamWow_29 (E), ShereKhan_31 (E), Simpliphy_30 (E), SirDuracell_28 (E), Sixama_104 (DS), SophKB_29 (E), Sotrice96_29 (E), Stank_32 (E), Stark_30 (E), StellaBean_29 (E), StolenFromERC_31 (E), TBrady12_31 (E), TPA4_27 (singleton), Tarkin_31 (E), TeardropMSU_28 (E), Teaspoon_30 (E), Terminus_29 (E), Thresher_30 (E), Tomaszewski_28 (E), Toto_29 (E), Traaww1_27 (E), Tuco_30 (E), Ukulele_29 (E), Wiggin_32 (E), Willez_28 (E), Xandras_31 (E), YassJohnny_30 (E), Youngblood_29 (E), Ziko_61 (DP), xkcd_30 (E),

Start 16:

- Found in 1 of 158 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 143
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Volt_61 (DP),

Summary by clusters:

There are 10 clusters represented in this pham: singleton, AB, E, DK, CZ2, CZ6, CX, AE, DS, DP,

Info for manual annotations of cluster AB:

- Start number 7 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster AE:

- Start number 7 was manually annotated 6 times for cluster AE.

Info for manual annotations of cluster CX:

- Start number 7 was manually annotated 5 times for cluster CX.

Info for manual annotations of cluster CZ2:

- Start number 6 was manually annotated 2 times for cluster CZ2.

Info for manual annotations of cluster CZ6:

- Start number 6 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster DK:

- Start number 7 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DP:

- Start number 7 was manually annotated 5 times for cluster DP.
- Start number 16 was manually annotated 1 time for cluster DP.

Info for manual annotations of cluster DS:

- Start number 7 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster E:

- Start number 7 was manually annotated 115 times for cluster E.

Gene Information:

Gene: 244_31 Start: 28830, Stop: 29258, Start Num: 7

Candidate Starts for 244_31:

(Start: 7 @28830 has 139 MA's), (32, 29055), (35, 29082), (39, 29124), (41, 29136), (43, 29148),

Gene: ABCat_28 Start: 28541, Stop: 28969, Start Num: 7

Candidate Starts for ABCat_28:

(Start: 7 @28541 has 139 MA's), (27, 28730), (32, 28766), (35, 28793), (39, 28835), (43, 28859), (47, 28928),

Gene: Adnama_32 Start: 29057, Stop: 29485, Start Num: 7

Candidate Starts for Adnama_32:

(Start: 7 @29057 has 139 MA's), (32, 29282), (35, 29309), (39, 29351), (41, 29363), (43, 29375),

Gene: Aikoy_43 Start: 34014, Stop: 34448, Start Num: 7

Candidate Starts for Aikoy_43:

(Start: 7 @34014 has 139 MA's), (12, 34053), (15, 34068), (17, 34086), (28, 34209), (40, 34314), (49, 34425),

Gene: Aikoy_39 Start: 29482, Stop: 29922, Start Num: 7

Candidate Starts for Aikoy_39:

(Start: 7 @29482 has 139 MA's), (14, 29527), (18, 29563), (21, 29572), (37, 29740), (42, 29800), (44, 29821), (50, 29908), (51, 29914),

Gene: Amao_29 Start: 27754, Stop: 28182, Start Num: 7

Candidate Starts for Amao_29:

(Start: 7 @27754 has 139 MA's), (19, 27841), (32, 27979), (35, 28006), (39, 28048), (41, 28060), (43, 28072),

Gene: AmericanBeauty_32 Start: 28537, Stop: 28965, Start Num: 7

Candidate Starts for AmericanBeauty_32:

(Start: 7 @28537 has 139 MA's), (32, 28762), (35, 28789), (39, 28831), (41, 28843), (43, 28855),

Gene: Argent26_31 Start: 28540, Stop: 28968, Start Num: 7

Candidate Starts for Argent26_31:

(Start: 7 @28540 has 139 MA's), (32, 28765), (35, 28792), (39, 28834), (41, 28846), (43, 28858),

Gene: Asriel_28 Start: 27410, Stop: 27838, Start Num: 7

Candidate Starts for Asriel_28:

(Start: 7 @27410 has 139 MA's), (27, 27599), (32, 27635), (35, 27662), (39, 27704), (43, 27728), (47, 27797),

Gene: BaboJay_28 Start: 28100, Stop: 28528, Start Num: 7

Candidate Starts for BaboJay_28:

(Start: 7 @28100 has 139 MA's), (32, 28325), (35, 28352), (39, 28394), (41, 28406), (43, 28418),

Gene: BadStone_28 Start: 28541, Stop: 28969, Start Num: 7

Candidate Starts for BadStone_28:

(Start: 7 @28541 has 139 MA's), (27, 28730), (32, 28766), (35, 28793), (39, 28835), (43, 28859), (47, 28928),

Gene: Balomoji_28 Start: 28275, Stop: 28703, Start Num: 7

Candidate Starts for Balomoji_28:

(Start: 7 @28275 has 139 MA's), (27, 28464), (32, 28500), (35, 28527), (39, 28569), (43, 28593), (47, 28662),

Gene: Barbarian_28 Start: 27410, Stop: 27838, Start Num: 7

Candidate Starts for Barbarian_28:

(Start: 7 @27410 has 139 MA's), (27, 27599), (32, 27635), (35, 27662), (39, 27704), (43, 27728), (47, 27797),

Gene: Bask21_29 Start: 27727, Stop: 28155, Start Num: 7

Candidate Starts for Bask21_29:

(Start: 7 @27727 has 139 MA's), (27, 27916), (32, 27952), (35, 27979), (39, 28021), (43, 28045), (47, 28114),

Gene: Bench_31 Start: 28410, Stop: 28838, Start Num: 7

Candidate Starts for Bench_31:

(Start: 7 @28410 has 139 MA's), (32, 28635), (35, 28662), (39, 28704), (41, 28716), (43, 28728),

Gene: BigBubba_30 Start: 28313, Stop: 28741, Start Num: 7

Candidate Starts for BigBubba_30:

(Start: 7 @28313 has 139 MA's), (32, 28538), (35, 28565), (39, 28607), (41, 28619), (43, 28631),

Gene: BilboSwaggins_29 Start: 28549, Stop: 28977, Start Num: 7

Candidate Starts for BilboSwaggins_29:

(2, 28441), (Start: 7 @28549 has 139 MA's), (27, 28738), (32, 28774), (35, 28801), (39, 28843), (43, 28867), (47, 28936),

Gene: BlueNGold_105 Start: 64502, Stop: 64939, Start Num: 7

Candidate Starts for BlueNGold_105:

(Start: 7 @64502 has 139 MA's), (20, 64589), (36, 64757), (44, 64838), (45, 64871),

Gene: Boopy_106 Start: 64514, Stop: 64951, Start Num: 7

Candidate Starts for Boopy_106:

(Start: 7 @64514 has 139 MA's), (20, 64601), (36, 64769), (44, 64850), (45, 64883),

Gene: Bruin_29 Start: 28570, Stop: 28998, Start Num: 7

Candidate Starts for Bruin_29:

(Start: 7 @28570 has 139 MA's), (32, 28795), (35, 28822), (39, 28864), (41, 28876), (43, 28888),

Gene: Buck_28 Start: 28506, Stop: 28934, Start Num: 7

Candidate Starts for Buck_28:

(Start: 7 @28506 has 139 MA's), (32, 28731), (35, 28758), (39, 28800), (41, 28812), (43, 28824),

Gene: Cactus_30 Start: 27760, Stop: 28188, Start Num: 7

Candidate Starts for Cactus_30:

(Start: 7 @27760 has 139 MA's), (27, 27949), (32, 27985), (35, 28012), (39, 28054), (43, 28078), (47, 28147),

Gene: ChosenOne_29 Start: 27758, Stop: 28186, Start Num: 7

Candidate Starts for ChosenOne_29:

(Start: 7 @27758 has 139 MA's), (32, 27983), (35, 28010), (39, 28052), (41, 28064), (43, 28076),

Gene: ChotaBhai_29 Start: 27796, Stop: 28224, Start Num: 7

Candidate Starts for ChotaBhai_29:

(Start: 7 @27796 has 139 MA's), (32, 28021), (35, 28048), (39, 28090), (41, 28102), (43, 28114),

Gene: Cjw1_29 Start: 29310, Stop: 29738, Start Num: 7

Candidate Starts for Cjw1_29:

(Start: 7 @29310 has 139 MA's), (32, 29535), (35, 29562), (39, 29604), (41, 29616), (43, 29628),

Gene: Command613_30 Start: 28816, Stop: 29244, Start Num: 7

Candidate Starts for Command613_30:

(Start: 7 @28816 has 139 MA's), (27, 29005), (32, 29041), (35, 29068), (39, 29110), (43, 29134), (47, 29203),

Gene: Contagion_28 Start: 28054, Stop: 28482, Start Num: 7

Candidate Starts for Contagion_28:

(Start: 7 @28054 has 139 MA's), (32, 28279), (35, 28306), (39, 28348), (41, 28360), (43, 28372),

Gene: Cookies_29 Start: 28419, Stop: 28847, Start Num: 7

Candidate Starts for Cookies_29:

(Start: 7 @28419 has 139 MA's), (32, 28644), (35, 28671), (39, 28713), (41, 28725), (43, 28737),

Gene: CrystalP_29 Start: 28549, Stop: 28977, Start Num: 7

Candidate Starts for CrystalP_29:

(2, 28441), (Start: 7 @28549 has 139 MA's), (27, 28738), (32, 28774), (35, 28801), (39, 28843), (43, 28867), (47, 28936),

Gene: Czyszczone1_30 Start: 28295, Stop: 28723, Start Num: 7

Candidate Starts for Czyszczone1_30:

(Start: 7 @28295 has 139 MA's), (32, 28520), (35, 28547), (39, 28589), (41, 28601), (43, 28613),

Gene: Daikon_28 Start: 28287, Stop: 28715, Start Num: 7

Candidate Starts for Daikon_28:

(2, 28179), (Start: 7 @28287 has 139 MA's), (27, 28476), (32, 28512), (35, 28539), (39, 28581), (43, 28605), (47, 28674),

Gene: DoctorDiddles_29 Start: 27712, Stop: 28140, Start Num: 7

Candidate Starts for DoctorDiddles_29:

(Start: 7 @27712 has 139 MA's), (32, 27937), (35, 27964), (39, 28006), (41, 28018), (43, 28030),

Gene: DrDrey_30 Start: 29042, Stop: 29470, Start Num: 7

Candidate Starts for DrDrey_30:

(Start: 7 @29042 has 139 MA's), (32, 29267), (35, 29294), (39, 29336), (41, 29348), (43, 29360),

Gene: Dumbo_29 Start: 28017, Stop: 28445, Start Num: 7

Candidate Starts for Dumbo_29:

(Start: 7 @28017 has 139 MA's), (32, 28242), (35, 28269), (39, 28311), (41, 28323), (43, 28335),

Gene: Dusk_28 Start: 28201, Stop: 28629, Start Num: 7

Candidate Starts for Dusk_28:

(Start: 7 @28201 has 139 MA's), (27, 28390), (32, 28426), (35, 28453), (39, 28495), (43, 28519), (47, 28588),

Gene: Easy2Say_31 Start: 29800, Stop: 30228, Start Num: 7

Candidate Starts for Easy2Say_31:

(Start: 7 @29800 has 139 MA's), (32, 30025), (35, 30052), (39, 30094), (41, 30106), (43, 30118),

Gene: Elite2014_28 Start: 27757, Stop: 28185, Start Num: 7

Candidate Starts for Elite2014_28:

(Start: 7 @27757 has 139 MA's), (32, 27982), (35, 28009), (39, 28051), (41, 28063), (43, 28075),

Gene: Elph10_30 Start: 28020, Stop: 28448, Start Num: 7

Candidate Starts for Elph10_30:

(Start: 7 @28020 has 139 MA's), (32, 28245), (35, 28272), (39, 28314), (41, 28326), (43, 28338),

Gene: Emmina_30 Start: 28378, Stop: 28806, Start Num: 7

Candidate Starts for Emmina_30:

(Start: 7 @28378 has 139 MA's), (32, 28603), (35, 28630), (39, 28672), (41, 28684), (43, 28696),

Gene: Eureka_29 Start: 28533, Stop: 28961, Start Num: 7

Candidate Starts for Eureka_29:

(Start: 7 @28533 has 139 MA's), (27, 28722), (32, 28758), (35, 28785), (39, 28827), (43, 28851), (47, 28920),

Gene: Filch_30 Start: 28308, Stop: 28736, Start Num: 7

Candidate Starts for Filch_30:

(Start: 7 @28308 has 139 MA's), (32, 28533), (35, 28560), (39, 28602), (41, 28614), (43, 28626),

Gene: FireRed_29 Start: 28578, Stop: 29006, Start Num: 7

Candidate Starts for FireRed_29:

(Start: 7 @28578 has 139 MA's), (32, 28803), (35, 28830), (39, 28872), (41, 28884), (43, 28896),

Gene: Flypotenuse_27 Start: 28146, Stop: 28574, Start Num: 7

Candidate Starts for Flypotenuse_27:

(1, 27975), (Start: 7 @28146 has 139 MA's), (32, 28371), (35, 28398), (39, 28440), (41, 28452), (43, 28464),

Gene: Forza_106 Start: 64430, Stop: 64867, Start Num: 7

Candidate Starts for Forza_106:

(Start: 7 @64430 has 139 MA's), (20, 64517), (36, 64685), (44, 64766), (45, 64799),

Gene: Fryberger_58 Start: 31819, Stop: 32250, Start Num: 7

Candidate Starts for Fryberger_58:

(Start: 7 @31819 has 139 MA's), (12, 31861), (20, 31906), (33, 32044), (34, 32050),

Gene: GMA1_27 Start: 21102, Stop: 21533, Start Num: 7

Candidate Starts for GMA1_27:

(Start: 7 @21102 has 139 MA's), (19, 21186), (20, 21189), (21, 21192), (24, 21246), (25, 21258), (31, 21315), (33, 21327), (36, 21351), (44, 21432), (46, 21492),

Gene: Gage_31 Start: 28540, Stop: 28968, Start Num: 7

Candidate Starts for Gage_31:

(Start: 7 @28540 has 139 MA's), (32, 28765), (35, 28792), (39, 28834), (41, 28846), (43, 28858),

Gene: Gator_27 Start: 28157, Stop: 28585, Start Num: 7

Candidate Starts for Gator_27:

(Start: 7 @28157 has 139 MA's), (27, 28346), (32, 28382), (35, 28409), (39, 28451), (43, 28475), (47, 28544),

Gene: Gemini_32 Start: 29057, Stop: 29485, Start Num: 7

Candidate Starts for Gemini_32:

(Start: 7 @29057 has 139 MA's), (32, 29282), (35, 29309), (39, 29351), (41, 29363), (43, 29375),

Gene: Gibbles_36 Start: 39171, Stop: 39608, Start Num: 7

Candidate Starts for Gibbles_36:

(Start: 7 @39171 has 139 MA's), (12, 39213), (19, 39255), (20, 39258), (36, 39426), (39, 39465),

Gene: Glexan_27 Start: 28146, Stop: 28574, Start Num: 7

Candidate Starts for Glexan_27:

(1, 27975), (Start: 7 @28146 has 139 MA's), (32, 28371), (35, 28398), (39, 28440), (41, 28452), (43, 28464),

Gene: GodonK_93 Start: 56582, Stop: 57016, Start Num: 7

Candidate Starts for GodonK_93:

(Start: 7 @56582 has 139 MA's), (10, 56612), (13, 56627), (20, 56669), (23, 56714), (24, 56732), (27, 56774), (39, 56882), (44, 56915), (48, 56978),

Gene: Goku_29 Start: 28262, Stop: 28690, Start Num: 7

Candidate Starts for Goku_29:

(Start: 7 @28262 has 139 MA's), (27, 28451), (32, 28487), (35, 28514), (39, 28556), (43, 28580), (47, 28649),

Gene: GoldenSpark_31 Start: 28540, Stop: 28968, Start Num: 7

Candidate Starts for GoldenSpark_31:

(Start: 7 @28540 has 139 MA's), (32, 28765), (35, 28792), (39, 28834), (41, 28846), (43, 28858),

Gene: Goldilocks_30 Start: 27960, Stop: 28388, Start Num: 7

Candidate Starts for Goldilocks_30:

(Start: 7 @27960 has 139 MA's), (32, 28185), (35, 28212), (39, 28254), (41, 28266), (43, 28278),

Gene: GooberAzure_31 Start: 28540, Stop: 28968, Start Num: 7

Candidate Starts for GooberAzure_31:

(Start: 7 @28540 has 139 MA's), (32, 28765), (35, 28792), (39, 28834), (41, 28846), (43, 28858),

Gene: Guey18_63 Start: 33017, Stop: 33448, Start Num: 7

Candidate Starts for Guey18_63:

(Start: 7 @33017 has 139 MA's), (12, 33059), (19, 33101), (20, 33104), (36, 33275),

Gene: HanKaySha_30 Start: 28292, Stop: 28720, Start Num: 7

Candidate Starts for HanKaySha_30:

(Start: 7 @28292 has 139 MA's), (32, 28517), (35, 28544), (39, 28586), (41, 28598), (43, 28610),

Gene: Harella_28 Start: 28662, Stop: 29090, Start Num: 7

Candidate Starts for Harella_28:

(1, 28491), (Start: 7 @28662 has 139 MA's), (32, 28887), (35, 28914), (39, 28956), (41, 28968), (43, 28980),

Gene: Henry_30 Start: 28549, Stop: 28977, Start Num: 7

Candidate Starts for Henry_30:

(2, 28441), (Start: 7 @28549 has 139 MA's), (27, 28738), (32, 28774), (35, 28801), (39, 28843), (43, 28867), (47, 28936),

Gene: Highbury_30 Start: 28208, Stop: 28636, Start Num: 7

Candidate Starts for Highbury_30:

(Start: 7 @28208 has 139 MA's), (32, 28433), (35, 28460), (39, 28502), (41, 28514), (43, 28526),

Gene: Holt_30 Start: 27827, Stop: 28255, Start Num: 7

Candidate Starts for Holt_30:

(Start: 7 @27827 has 139 MA's), (32, 28052), (35, 28079), (39, 28121), (41, 28133), (43, 28145),

Gene: Hoonter_31 Start: 28540, Stop: 28968, Start Num: 7

Candidate Starts for Hoonter_31:

(Start: 7 @28540 has 139 MA's), (32, 28765), (35, 28792), (39, 28834), (41, 28846), (43, 28858),

Gene: Hopey_31 Start: 28827, Stop: 29255, Start Num: 7

Candidate Starts for Hopey_31:

(Start: 7 @28827 has 139 MA's), (32, 29052), (35, 29079), (39, 29121), (41, 29133), (43, 29145),

Gene: HufflyPuff_28 Start: 28534, Stop: 28962, Start Num: 7

Candidate Starts for HufflyPuff_28:

(Start: 7 @28534 has 139 MA's), (32, 28759), (35, 28786), (39, 28828), (41, 28840), (43, 28852),

Gene: IHOP_29 Start: 28725, Stop: 29153, Start Num: 7

Candidate Starts for IHOP_29:

(2, 28617), (Start: 7 @28725 has 139 MA's), (27, 28914), (32, 28950), (35, 28977), (39, 29019), (43, 29043), (47, 29112),

Gene: Icee_28 Start: 28207, Stop: 28635, Start Num: 7

Candidate Starts for Icee_28:

(Start: 7 @28207 has 139 MA's), (27, 28396), (32, 28432), (35, 28459), (39, 28501), (43, 28525), (47, 28594),

Gene: Inca_28 Start: 27229, Stop: 27657, Start Num: 7

Candidate Starts for Inca_28:

(Start: 7 @27229 has 139 MA's), (32, 27454), (35, 27481), (39, 27523), (41, 27535), (43, 27547),

Gene: JCole_24 Start: 20984, Stop: 21424, Start Num: 6

Candidate Starts for JCole_24:

(Start: 6 @20984 has 3 MA's), (8, 20999), (10, 21014), (20, 21071), (24, 21128), (38, 21284), (39, 21287), (44, 21323),

Gene: JeTaime_31 Start: 29351, Stop: 29779, Start Num: 7

Candidate Starts for JeTaime_31:

(Start: 7 @29351 has 139 MA's), (32, 29576), (35, 29603), (39, 29645), (41, 29657), (43, 29669),

Gene: Kampe_38 Start: 38735, Stop: 39172, Start Num: 7

Candidate Starts for Kampe_38:

(Start: 7 @38735 has 139 MA's), (20, 38822), (26, 38894), (29, 38936), (36, 38990), (39, 39029),

Gene: Kanye_31 Start: 29536, Stop: 29964, Start Num: 7

Candidate Starts for Kanye_31:

(Start: 7 @29536 has 139 MA's), (32, 29761), (35, 29788), (39, 29830), (41, 29842), (43, 29854),

Gene: Keelan_56 Start: 31817, Stop: 32248, Start Num: 7

Candidate Starts for Keelan_56:

(Start: 7 @31817 has 139 MA's), (12, 31859), (19, 31901), (20, 31904), (33, 32042), (34, 32048), (51, 32240),

Gene: Kimchi_31 Start: 28543, Stop: 28971, Start Num: 7

Candidate Starts for Kimchi_31:

(Start: 7 @28543 has 139 MA's), (32, 28768), (35, 28795), (39, 28837), (41, 28849), (43, 28861),

Gene: Kostya_30 Start: 28550, Stop: 28978, Start Num: 7

Candidate Starts for Kostya_30:

(2, 28442), (Start: 7 @28550 has 139 MA's), (27, 28739), (32, 28775), (35, 28802), (39, 28844), (43, 28868), (47, 28937),

Gene: Leopard_43 Start: 34302, Stop: 34736, Start Num: 7

Candidate Starts for Leopard_43:

(Start: 7 @34302 has 139 MA's), (12, 34341), (15, 34356), (17, 34374), (28, 34497), (40, 34602), (49, 34713),

Gene: Leopard_39 Start: 29770, Stop: 30210, Start Num: 7

Candidate Starts for Leopard_39:

(Start: 7 @29770 has 139 MA's), (14, 29815), (18, 29851), (21, 29860), (37, 30028), (42, 30088), (44, 30109), (50, 30196), (51, 30202),

Gene: Lilac_31 Start: 28047, Stop: 28475, Start Num: 7

Candidate Starts for Lilac_31:

(Start: 7 @28047 has 139 MA's), (32, 28272), (35, 28299), (39, 28341), (41, 28353), (43, 28365),

Gene: Lilizi_31 Start: 28255, Stop: 28683, Start Num: 7

Candidate Starts for Lilizi_31:

(Start: 7 @28255 has 139 MA's), (32, 28480), (35, 28507), (39, 28549), (41, 28561), (43, 28573),

Gene: Lilpickle_28 Start: 27757, Stop: 28185, Start Num: 7

Candidate Starts for Lilpickle_28:

(Start: 7 @27757 has 139 MA's), (32, 27982), (35, 28009), (39, 28051), (41, 28063), (43, 28075),

Gene: MISSy_28 Start: 28062, Stop: 28490, Start Num: 7

Candidate Starts for MISSy_28:

(Start: 7 @28062 has 139 MA's), (32, 28287), (35, 28314), (39, 28356), (41, 28368), (43, 28380),

Gene: MPhalcon_28 Start: 28056, Stop: 28484, Start Num: 7

Candidate Starts for MPhalcon_28:

(Start: 7 @28056 has 139 MA's), (32, 28281), (35, 28308), (39, 28350), (41, 28362), (43, 28374),

Gene: MadamMonkfish_29 Start: 27968, Stop: 28396, Start Num: 7

Candidate Starts for MadamMonkfish_29:

(Start: 7 @27968 has 139 MA's), (32, 28193), (35, 28220), (39, 28262), (41, 28274), (43, 28286),

Gene: Manda_30 Start: 29035, Stop: 29463, Start Num: 7

Candidate Starts for Manda_30:

(Start: 7 @29035 has 139 MA's), (32, 29260), (35, 29287), (39, 29329), (41, 29341), (43, 29353),

Gene: Mareelih_104 Start: 63932, Stop: 64369, Start Num: 7

Candidate Starts for Mareelih_104:

(Start: 7 @63932 has 139 MA's), (20, 64019), (36, 64187), (44, 64268), (45, 64301),

Gene: Marshmallow_29 Start: 28547, Stop: 28975, Start Num: 7

Candidate Starts for Marshmallow_29:

(Start: 7 @28547 has 139 MA's), (27, 28736), (32, 28772), (35, 28799), (39, 28841), (43, 28865), (47, 28934),

Gene: Maxxinista_30 Start: 28017, Stop: 28445, Start Num: 7

Candidate Starts for Maxxinista_30:

(Start: 7 @28017 has 139 MA's), (32, 28242), (35, 28269), (39, 28311), (41, 28323), (43, 28335),

Gene: Mindy_29 Start: 28327, Stop: 28755, Start Num: 7

Candidate Starts for Mindy_29:

(2, 28219), (Start: 7 @28327 has 139 MA's), (27, 28516), (32, 28552), (35, 28579), (39, 28621), (43, 28645), (47, 28714),

Gene: Miniwave_29 Start: 28747, Stop: 29175, Start Num: 7

Candidate Starts for Miniwave_29:

(Start: 7 @28747 has 139 MA's), (32, 28972), (35, 28999), (39, 29041), (41, 29053), (43, 29065),

Gene: Misfit_29 Start: 28637, Stop: 29065, Start Num: 7

Candidate Starts for Misfit_29:

(Start: 7 @28637 has 139 MA's), (32, 28862), (35, 28889), (39, 28931), (41, 28943), (43, 28955),

Gene: Moldemort_30 Start: 28292, Stop: 28720, Start Num: 7

Candidate Starts for Moldemort_30:

(Start: 7 @28292 has 139 MA's), (32, 28517), (35, 28544), (39, 28586), (41, 28598), (43, 28610),

Gene: Moosehead_26 Start: 21145, Stop: 21585, Start Num: 6

Candidate Starts for Moosehead_26:

(Start: 6 @21145 has 3 MA's), (10, 21175), (20, 21232), (38, 21445), (39, 21448), (48, 21547),

Gene: Mosby_28 Start: 28054, Stop: 28482, Start Num: 7

Candidate Starts for Mosby_28:

(Start: 7 @28054 has 139 MA's), (32, 28279), (35, 28306), (39, 28348), (41, 28360), (43, 28372),

Gene: Murica_28 Start: 28534, Stop: 28962, Start Num: 7

Candidate Starts for Murica_28:

(Start: 7 @28534 has 139 MA's), (32, 28759), (35, 28786), (39, 28828), (41, 28840), (43, 28852),

Gene: Murphy_30 Start: 28529, Stop: 28957, Start Num: 7

Candidate Starts for Murphy_30:

(Start: 7 @28529 has 139 MA's), (32, 28754), (35, 28781), (39, 28823), (41, 28835), (43, 28847),

Gene: Myrale_29 Start: 28412, Stop: 28840, Start Num: 7

Candidate Starts for Myrale_29:

(Start: 7 @28412 has 139 MA's), (27, 28601), (32, 28637), (35, 28664), (39, 28706), (43, 28730), (47, 28799),

Gene: NelitzaMV_29 Start: 28617, Stop: 29045, Start Num: 7

Candidate Starts for NelitzaMV_29:

(Start: 7 @28617 has 139 MA's), (27, 28806), (32, 28842), (35, 28869), (39, 28911), (43, 28935), (47, 29004),

Gene: Nimrod_29 Start: 28792, Stop: 29220, Start Num: 7

Candidate Starts for Nimrod_29:

(Start: 7 @28792 has 139 MA's), (32, 29017), (35, 29044), (39, 29086), (41, 29098), (43, 29110),

Gene: NoShow_24 Start: 22544, Stop: 22975, Start Num: 7

Candidate Starts for NoShow_24:

(Start: 7 @22544 has 139 MA's), (11, 22580), (12, 22586), (27, 22733), (37, 22805), (38, 22838),

Gene: NoSleep_30 Start: 28289, Stop: 28717, Start Num: 7

Candidate Starts for NoSleep_30:

(Start: 7 @28289 has 139 MA's), (32, 28514), (35, 28541), (39, 28583), (41, 28595), (43, 28607),

Gene: Onyinye_40 Start: 29649, Stop: 30089, Start Num: 7

Candidate Starts for Onyinye_40:

(Start: 7 @29649 has 139 MA's), (14, 29694), (18, 29730), (21, 29739), (42, 29967), (44, 29988), (50, 30075), (51, 30081),

Gene: Onyinye_44 Start: 34181, Stop: 34615, Start Num: 7

Candidate Starts for Onyinye_44:

(Start: 7 @34181 has 139 MA's), (12, 34220), (15, 34235), (17, 34253), (28, 34376), (40, 34481), (49, 34592),

Gene: Orchid_37 Start: 38736, Stop: 39173, Start Num: 7

Candidate Starts for Orchid_37:

(Start: 7 @38736 has 139 MA's), (20, 38823), (26, 38895), (29, 38937), (36, 38991), (39, 39030),

Gene: OrionPax_30 Start: 28295, Stop: 28723, Start Num: 7

Candidate Starts for OrionPax_30:

(Start: 7 @28295 has 139 MA's), (32, 28520), (35, 28547), (39, 28589), (41, 28601), (43, 28613),

Gene: Paperbeatsrock_31 Start: 29530, Stop: 29958, Start Num: 7

Candidate Starts for Paperbeatsrock_31:

(Start: 7 @29530 has 139 MA's), (32, 29755), (35, 29782), (39, 29824), (41, 29836), (43, 29848),

Gene: Pat3_28 Start: 27276, Stop: 27704, Start Num: 7

Candidate Starts for Pat3_28:

(Start: 7 @27276 has 139 MA's), (32, 27501), (35, 27528), (39, 27570), (41, 27582), (43, 27594),

Gene: PatrickStar_38 Start: 38735, Stop: 39172, Start Num: 7

Candidate Starts for PatrickStar_38:

(Start: 7 @38735 has 139 MA's), (20, 38822), (26, 38894), (29, 38936), (36, 38990), (39, 39029),

Gene: Petra64142_31 Start: 29010, Stop: 29438, Start Num: 7

Candidate Starts for Petra64142_31:

(Start: 7 @29010 has 139 MA's), (32, 29235), (35, 29262), (39, 29304), (41, 29316), (43, 29328),

Gene: Phaja_29 Start: 28725, Stop: 29153, Start Num: 7

Candidate Starts for Phaja_29:

(2, 28617), (Start: 7 @28725 has 139 MA's), (27, 28914), (32, 28950), (35, 28977), (39, 29019), (43, 29043), (47, 29112),

Gene: Pharsalus_30 Start: 29330, Stop: 29758, Start Num: 7

Candidate Starts for Pharsalus_30:

(Start: 7 @29330 has 139 MA's), (32, 29555), (35, 29582), (39, 29624), (41, 29636), (43, 29648),

Gene: PhatBacter_29 Start: 28578, Stop: 29006, Start Num: 7

Candidate Starts for PhatBacter_29:

(Start: 7 @28578 has 139 MA's), (32, 28803), (35, 28830), (39, 28872), (41, 28884), (43, 28896),

Gene: Phaux_28 Start: 28576, Stop: 29004, Start Num: 7

Candidate Starts for Phaux_28:

(Start: 7 @28576 has 139 MA's), (32, 28801), (35, 28828), (39, 28870), (41, 28882), (43, 28894),

Gene: Phendrix_90 Start: 56293, Stop: 56727, Start Num: 7

Candidate Starts for Phendrix_90:

(Start: 7 @56293 has 139 MA's), (10, 56323), (13, 56338), (19, 56377), (20, 56380), (23, 56425), (24, 56443), (27, 56485), (39, 56593), (44, 56626), (48, 56689),

Gene: Phrux_29 Start: 28291, Stop: 28719, Start Num: 7
Candidate Starts for Phrux_29:
(Start: 7 @28291 has 139 MA's), (32, 28516), (35, 28543), (39, 28585), (41, 28597), (43, 28609),

Gene: Pickett_25 Start: 20874, Stop: 21314, Start Num: 6
Candidate Starts for Pickett_25:
(Start: 6 @20874 has 3 MA's), (10, 20904), (20, 20961), (38, 21174), (39, 21177),

Gene: Porky_29 Start: 28387, Stop: 28815, Start Num: 7
Candidate Starts for Porky_29:
(Start: 7 @28387 has 139 MA's), (32, 28612), (35, 28639), (39, 28681), (41, 28693), (43, 28705),

Gene: Pumpkin_31 Start: 28627, Stop: 29055, Start Num: 7
Candidate Starts for Pumpkin_31:
(Start: 7 @28627 has 139 MA's), (32, 28852), (35, 28879), (39, 28921), (41, 28933), (43, 28945),

Gene: Quallification_30 Start: 28756, Stop: 29184, Start Num: 7
Candidate Starts for Quallification_30:
(Start: 7 @28756 has 139 MA's), (32, 28981), (35, 29008), (39, 29050), (41, 29062), (43, 29074),

Gene: REQ3_58 Start: 37388, Stop: 37825, Start Num: 7
Candidate Starts for REQ3_58:
(Start: 7 @37388 has 139 MA's), (14, 37433), (19, 37472), (20, 37475), (25, 37544), (50, 37811),

Gene: Rakim_30 Start: 28655, Stop: 29083, Start Num: 7
Candidate Starts for Rakim_30:
(Start: 7 @28655 has 139 MA's), (27, 28844), (32, 28880), (35, 28907), (39, 28949), (43, 28973), (47, 29042),

Gene: Rimmer_28 Start: 28116, Stop: 28544, Start Num: 7
Candidate Starts for Rimmer_28:
(Start: 7 @28116 has 139 MA's), (32, 28341), (35, 28368), (39, 28410), (41, 28422), (43, 28434),

Gene: RiverMonster_29 Start: 28305, Stop: 28733, Start Num: 7
Candidate Starts for RiverMonster_29:
(Start: 7 @28305 has 139 MA's), (32, 28530), (35, 28557), (39, 28599), (41, 28611), (43, 28623),

Gene: RobinSparkles_40 Start: 39653, Stop: 40090, Start Num: 7
Candidate Starts for RobinSparkles_40:
(Start: 7 @39653 has 139 MA's), (12, 39695), (19, 39737), (20, 39740), (36, 39908), (39, 39947),

Gene: Ronaldo_61 Start: 32718, Stop: 33149, Start Num: 7
Candidate Starts for Ronaldo_61:
(Start: 7 @32718 has 139 MA's), (12, 32760), (20, 32805), (33, 32943), (34, 32949),

Gene: Saints25_30 Start: 28208, Stop: 28636, Start Num: 7
Candidate Starts for Saints25_30:
(Start: 7 @28208 has 139 MA's), (32, 28433), (35, 28460), (39, 28502), (41, 28514), (43, 28526),

Gene: Sassay_28 Start: 28054, Stop: 28482, Start Num: 7
Candidate Starts for Sassay_28:
(Start: 7 @28054 has 139 MA's), (32, 28279), (35, 28306), (39, 28348), (41, 28360), (43, 28372),

Gene: ShamWow_29 Start: 28549, Stop: 28977, Start Num: 7

Candidate Starts for ShamWow_29:

(2, 28441), (Start: 7 @28549 has 139 MA's), (27, 28738), (32, 28774), (35, 28801), (39, 28843), (43, 28867), (47, 28936),

Gene: ShereKhan_31 Start: 29533, Stop: 29961, Start Num: 7

Candidate Starts for ShereKhan_31:

(Start: 7 @29533 has 139 MA's), (32, 29758), (35, 29785), (39, 29827), (41, 29839), (43, 29851),

Gene: Simpliphy_30 Start: 28295, Stop: 28723, Start Num: 7

Candidate Starts for Simpliphy_30:

(Start: 7 @28295 has 139 MA's), (32, 28520), (35, 28547), (39, 28589), (41, 28601), (43, 28613),

Gene: SirDuracell_28 Start: 27214, Stop: 27642, Start Num: 7

Candidate Starts for SirDuracell_28:

(Start: 7 @27214 has 139 MA's), (27, 27403), (32, 27439), (35, 27466), (39, 27508), (43, 27532), (47, 27601),

Gene: Sixama_104 Start: 63936, Stop: 64373, Start Num: 7

Candidate Starts for Sixama_104:

(Start: 7 @63936 has 139 MA's), (20, 64023), (44, 64272),

Gene: SophKB_29 Start: 28549, Stop: 28977, Start Num: 7

Candidate Starts for SophKB_29:

(Start: 7 @28549 has 139 MA's), (32, 28774), (35, 28801), (39, 28843), (41, 28855), (43, 28867),

Gene: Sotrice96_29 Start: 28503, Stop: 28931, Start Num: 7

Candidate Starts for Sotrice96_29:

(Start: 7 @28503 has 139 MA's), (27, 28692), (32, 28728), (35, 28755), (39, 28797), (43, 28821), (47, 28890),

Gene: Stank_32 Start: 29056, Stop: 29484, Start Num: 7

Candidate Starts for Stank_32:

(Start: 7 @29056 has 139 MA's), (32, 29281), (35, 29308), (39, 29350), (41, 29362), (43, 29374),

Gene: Stark_30 Start: 28308, Stop: 28736, Start Num: 7

Candidate Starts for Stark_30:

(Start: 7 @28308 has 139 MA's), (32, 28533), (35, 28560), (39, 28602), (41, 28614), (43, 28626),

Gene: StellaBean_29 Start: 28549, Stop: 28977, Start Num: 7

Candidate Starts for StellaBean_29:

(Start: 7 @28549 has 139 MA's), (32, 28774), (35, 28801), (39, 28843), (41, 28855), (43, 28867),

Gene: StolenFromERC_31 Start: 28540, Stop: 28968, Start Num: 7

Candidate Starts for StolenFromERC_31:

(Start: 7 @28540 has 139 MA's), (32, 28765), (35, 28792), (39, 28834), (41, 28846), (43, 28858),

Gene: TBrady12_31 Start: 28540, Stop: 28968, Start Num: 7

Candidate Starts for TBrady12_31:

(Start: 7 @28540 has 139 MA's), (32, 28765), (35, 28792), (39, 28834), (41, 28846), (43, 28858),

Gene: TPA4_27 Start: 25382, Stop: 25834, Start Num: 7

Candidate Starts for TPA4_27:

(Start: 7 @25382 has 139 MA's), (22, 25487), (25, 25538), (28, 25574), (30, 25589), (36, 25637), (50, 25820), (51, 25826),

Gene: Tarkin_31 Start: 29539, Stop: 29967, Start Num: 7

Candidate Starts for Tarkin_31:

(Start: 7 @29539 has 139 MA's), (32, 29764), (35, 29791), (39, 29833), (41, 29845), (43, 29857),

Gene: TeardropMSU_28 Start: 28449, Stop: 28877, Start Num: 7

Candidate Starts for TeardropMSU_28:

(Start: 7 @28449 has 139 MA's), (27, 28638), (32, 28674), (35, 28701), (39, 28743), (43, 28767), (47, 28836),

Gene: Teaspoon_30 Start: 28503, Stop: 28931, Start Num: 7

Candidate Starts for Teaspoon_30:

(Start: 7 @28503 has 139 MA's), (32, 28728), (35, 28755), (39, 28797), (41, 28809), (43, 28821),

Gene: Terminus_29 Start: 28637, Stop: 29065, Start Num: 7

Candidate Starts for Terminus_29:

(Start: 7 @28637 has 139 MA's), (32, 28862), (35, 28889), (39, 28931), (41, 28943), (43, 28955),

Gene: Thresher_30 Start: 29304, Stop: 29732, Start Num: 7

Candidate Starts for Thresher_30:

(Start: 7 @29304 has 139 MA's), (32, 29529), (35, 29556), (39, 29598), (41, 29610), (43, 29622),

Gene: Tomaszewski_28 Start: 28147, Stop: 28575, Start Num: 7

Candidate Starts for Tomaszewski_28:

(Start: 7 @28147 has 139 MA's), (32, 28372), (35, 28399), (39, 28441), (41, 28453), (43, 28465),

Gene: Toto_29 Start: 28549, Stop: 28977, Start Num: 7

Candidate Starts for Toto_29:

(2, 28441), (Start: 7 @28549 has 139 MA's), (27, 28738), (32, 28774), (35, 28801), (39, 28843), (43, 28867), (47, 28936),

Gene: Traaww1_27 Start: 28187, Stop: 28615, Start Num: 7

Candidate Starts for Traaww1_27:

(Start: 7 @28187 has 139 MA's), (27, 28376), (32, 28412), (35, 28439), (39, 28481), (43, 28505), (47, 28574),

Gene: Tuco_30 Start: 29057, Stop: 29485, Start Num: 7

Candidate Starts for Tuco_30:

(Start: 7 @29057 has 139 MA's), (27, 29246), (32, 29282), (35, 29309), (39, 29351), (43, 29375), (47, 29444),

Gene: Ukulele_29 Start: 28308, Stop: 28736, Start Num: 7

Candidate Starts for Ukulele_29:

(Start: 7 @28308 has 139 MA's), (32, 28533), (35, 28560), (39, 28602), (41, 28614), (43, 28626),

Gene: Vasanti_26 Start: 21864, Stop: 22304, Start Num: 6

Candidate Starts for Vasanti_26:

(Start: 6 @21864 has 3 MA's), (10, 21894), (20, 21951), (29, 22074), (38, 22164), (39, 22167), (48, 22266),

Gene: Volt_61 Start: 32951, Stop: 33313, Start Num: 16

Candidate Starts for Volt_61:

(3, 32819), (4, 32822), (5, 32879), (9, 32900), (Start: 16 @32951 has 1 MA's), (33, 33107), (34, 33113),

Gene: Wiggin_32 Start: 29054, Stop: 29482, Start Num: 7

Candidate Starts for Wiggin_32:

(Start: 7 @29054 has 139 MA's), (32, 29279), (35, 29306), (39, 29348), (41, 29360), (43, 29372),

Gene: Willez_28 Start: 28054, Stop: 28482, Start Num: 7

Candidate Starts for Willez_28:

(Start: 7 @28054 has 139 MA's), (32, 28279), (35, 28306), (39, 28348), (41, 28360), (43, 28372),

Gene: Xandras_31 Start: 28540, Stop: 28968, Start Num: 7

Candidate Starts for Xandras_31:

(Start: 7 @28540 has 139 MA's), (32, 28765), (35, 28792), (39, 28834), (41, 28846), (43, 28858),

Gene: YassJohnny_30 Start: 29065, Stop: 29493, Start Num: 7

Candidate Starts for YassJohnny_30:

(Start: 7 @29065 has 139 MA's), (32, 29290), (35, 29317), (39, 29359), (41, 29371), (43, 29383),

Gene: Youngblood_29 Start: 28710, Stop: 29138, Start Num: 7

Candidate Starts for Youngblood_29:

(1, 28539), (Start: 7 @28710 has 139 MA's), (32, 28935), (35, 28962), (39, 29004), (41, 29016), (43, 29028),

Gene: Ziko_61 Start: 32704, Stop: 33135, Start Num: 7

Candidate Starts for Ziko_61:

(Start: 7 @32704 has 139 MA's), (12, 32746), (20, 32791), (33, 32929), (34, 32935),

Gene: xkcd_30 Start: 28719, Stop: 29147, Start Num: 7

Candidate Starts for xkcd_30:

(Start: 7 @28719 has 139 MA's), (32, 28944), (35, 28971), (39, 29013), (41, 29025), (43, 29037),