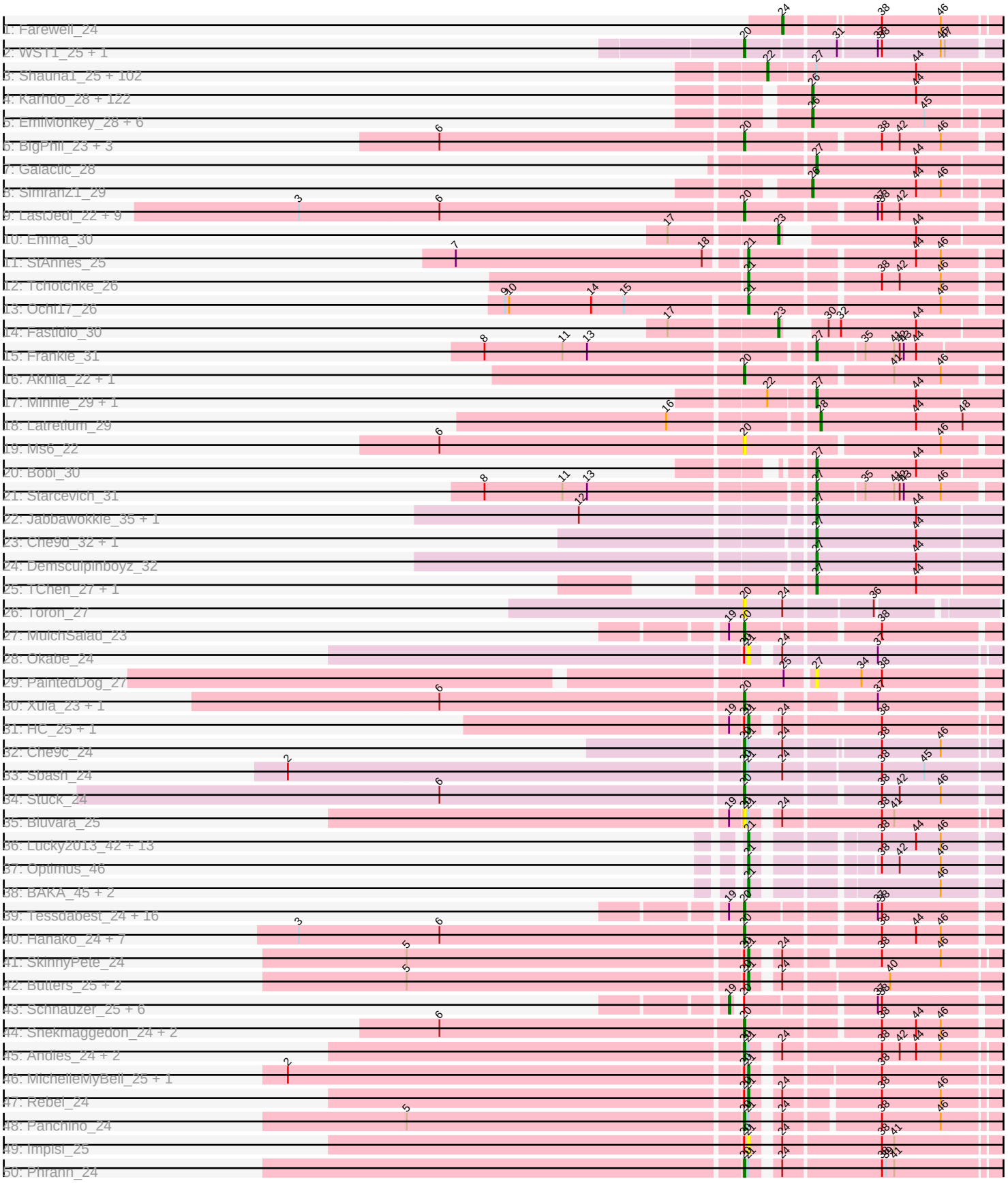
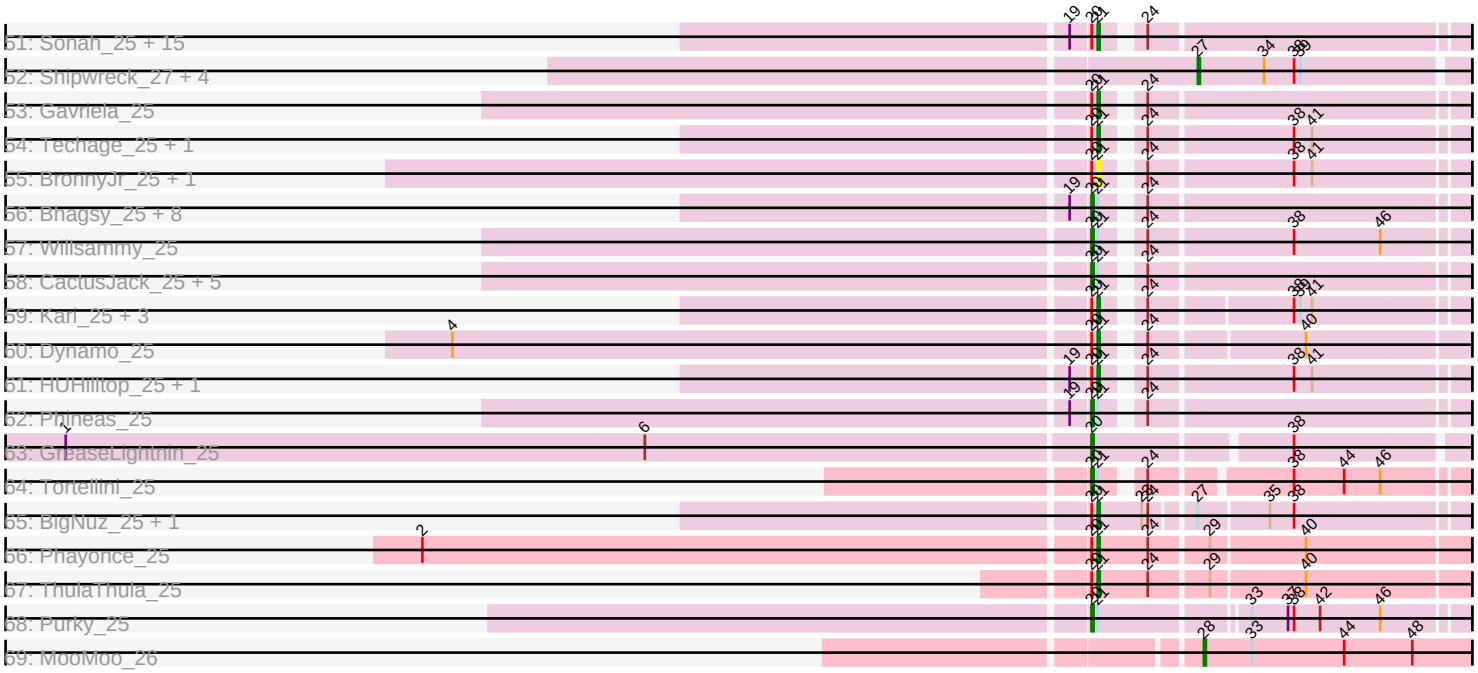
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1: Farewell_24
2: WST1_25 + 1
3: Shauna1_25 + 102
4: Karndo_28 + 122
5: EmiMonkey_28 + 6
6: BigPhil_23 + 3
7: Galactic_28
8: Simran21_29
9: LastJedi_22 + 9
10: Emma_30
11: StAnnes_25
12: Tchotchke_26
13: Ochi17_26
14: Fastidio_30
15: Frankie_31
16: Akhila_22 + 1
17: Minnie_29 + 1
18: Latreidum_29
19: MS6_22
20: Bobi_30
21: Starcevich_31
22: Jabbawokkie_35 + 1
23: Che9d_32 + 1
24: Demsculpinboyz_32
25: TChen_27 + 1
26: Toron_27
27: MulchSalad_23
28: Okabe_24
29: PaintedDog_27
30: Xula_23 + 1
31: HC_25 + 1
32: Che9c_24
33: Sbash_24
34: Stuck_24
35: Bluvara_25
36: Lucky2013_42 + 13
37: Optimus_46
38: BAKA_45 + 2
39: Tessdabest_24 + 16
40: Hanako_24 + 7
41: SkinnyPete_24
42: Butters_25 + 2
43: Schnauzer_25 + 6
44: Snekmaggedon_24 + 2
45: Andies_24 + 2
46: MichelleMyBell_25 + 1
47: Rebel_24
48: Panchino_24
49: Impisi_25
50: Phrann_24

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51: Sonan_25 + 15
52: Shipwreck_27 + 4
53: Gavriela_25
54: Techage_25 + 1
55: BronnyJr_25 + 1
56: Bhagsy_25 + 8
57: Willsammy_25
58: CactusJack_25 + 5
59: Kari_25 + 3
60: Dynamo_25
61: HOHilltop_25 + 1
62: Phineas_25
63: GreaseLightnin_25
64: Tortellini_25
65: BigNuz_25 + 1
66: Phayonce_25
67: ThulaThula_25
68: Purky_25
69: MooMoo_26

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 347108 Report

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

Pham number 347108 has 409 members, 34 are drafts.

Phages represented in each track:
• Track 1 : Farewell_24
• Track 2 : WST1_25, IdentityCrisis_24
• Track 3 : Shauna1_25, Enby_29, Cornucopia_29, Medindi_29, Tweety_28, Enzomatic_32, Mandlovu_28, Kingsley_26, Fancypants_28, Coco12_27, Brushbloom_29, Marker_29, Taj_28, Wee_29, SG4_28, Ramsey_29, Geralt_28, Tootsieroll_29, Brookers_26, Zerg_28, EleanorGeorge_28, DosHalletts_29, Bubbles123_29, VRedHorse_28, BuzzLyseyear_30, Fruitloop_27, Vivum_28, Polka14_29, XFactor_28, Filuzino_28, Eish_28, Blarby_36, Firehouse51_29, IMpilo_27, MilleniumForce_29, Hlubikazi_28, OwlsT2W_29, TootsiePop_29, SassyB_28, Moonbeam_29, Spikelee_29, KingJulian_28, Jant_29, Ovechkin_28, Quico_29, Beanstalk_30, PhesterPhotato_28, IbOuu_29, Lucia_29, SeaLumen_31, DillTech15_28, Corium_28, Mwanjiwa_28, ShroomBoi_25, Doomslug_31, Bipolar_25, Batiatus_28, WillSterrel_29, DLane_28, DaddyRickover_28, Aloeri_30, Juice456_29, ChickenDinner_30, Phalconet_28, Deb65_28, Leozinho_29, JalFarm20_30, KristaRAM_29, Spartacus_29, DocMcStuffins_30, Hegedechwinu_29, IrishSherpFalk_29, Flathead_28, Krakatau_29, Aubs_28, Seagreen_29, Awesomesauce_29, Royals2015_28, Job42_31, Alexphander_30, Florinda_28, Dorothy_28, NewHope4_30, Plumbus_29, DaWorst_30, DoRead_28, Hades_28, Doug_29, Phanphagia_25, Melissauren88_28, Polo2Bam_32, Strokeseat_28, Beakin_29, Violac_29, PopTart_28, DeadP_28, Mova_29, RockyHorror_29, Mozy_29, Misha28_29, Girafales_29, Gandalph_28, PatoPoderoso_28
• Track 4 : Karhdo_28, ByChance_28, Drago_29, Sparkdehlily_28, Chevrolet_28, BobaPhett_28, Cabrinians_28, Daenerys_28, Wachhund_28, Ruby_28, James_28, Grimmer_30, FreddyB_28, BodEinwohner17_28, Kimberlium_30, Philus_28, Rita_28, Whouxphf_28, Donkeykong_28, Sabbb_29, Nimbo_28, Totinger_29, MisterCuddles_28, Priscilla_28, Lizziana_28, Byougenkin_28, PHappiness_28, BlueCrab_28, ArcusAngelus_28, Chuckly_28, CaptainTrips_29, Lorde_29, Guppsters_29, AlpineSix_29, MulchExplorer_30, Nichirin_28, TDanisky_28, Phatniss_29, Rockne_28, Blexus_28, Zizzle_28, LunaBlu_29, Mattes_28, Piper2020_30, Madiba_26, Clank_25, Empress_29, Whatsapiecost_28, Seabastian_28, Okabe_28, Nitzel_29, QuickMath_29, Jinglebell_27, Hamulus_28, JoeyJr_28, Phasih_29, DotProduct_28, RedBird_28, Yorick_28, Harley_28, Dante_28, Jarcob_28, Pollywog_28, PMC_28, Che8_30, Saal_28, SuperGrey_28, Leperchaun_28, Veteran_28, Modragons_28, MinionDave_29, OlympiaSaint_28, Cheesepuff_30, Mutaforma13_28, Nivrat_28, Boomer_29, ShowerHandel_28, DRBy19_28, Renaud18_28, UncleRicky_31, Estave1_26, Sassafras_28, ThetaBob_27, Kenuha5_25, Stap_29, Oksu_29, Mantra_28, Doomphist_28,

LilMoolah_28, ShiLan_28, NormanBulbieJr_28, DirtMcgirt_29, SwagPigglett_28, Inventum_28, GigiOuiOui_28, Gorge_28, Sandalphon_29, Pacc40_28, Ogopogo_28, Poenanya_28, Mahavrat_28, RitaG_28, OldBen_28, Eradicator_28, Juniper1_28, Maravista_28, Scottish_29, Soul22_32, SiSi_28, Ibhubesi_28, GUmbie_28, OfUltron_28, MadMen_25, KingMidas_29, Burwell21_28, Girr_28, Llama_28, Cornie_28, Llij_28, Radiance_28, Topiatin_31, Spoonbill_28, Martik_28
• Track 5 : EmiMonkey_28, PhlipPhlop_28, LittleShirley_29, Emmaloid_29, Slim_29, Rialto_30, Peridot_29
• Track 6 : BigPhil_23, Sarma624_23, Cerasum_23, Velveteen_23
• Track 7 : Galactic_28
• Track 8 : SimranZ1_29
• Track 9 : LastJedi_22, Clifton_22, Squirty_23, Pippy_22, Phloss_24, Brocalys_23, Crumble_22, Jennelsea_22, Koella_22, Fulbright_24
• Track 10 : Emma_30
• Track 11 : StAnnes_25
• Track 12 : Tchotchke_26
• Track 13 : Ochi17_26
• Track 14 : Fastidio_30
• Track 15 : Frankie_31
• Track 16 : Akhila_22, MilanaBonita_22
• Track 17 : Minnie_29, SilverChicken_35
• Track 18 : Latretium_29
• Track 19 : Ms6_22
• Track 20 : Bobi_30
• Track 21 : Starcevich_31
• Track 22 : Jabbawokkie_35, Zapner_34
• Track 23 : Che9d_32, Avani_32
• Track 24 : Demsculpinboyz_32
• Track 25 : TChen_27, LunaStella_29
• Track 26 : Toron_27
• Track 27 : MulchSalad_23
• Track 28 : Okabe_24
• Track 29 : PaintedDog_27
• Track 30 : Xula_23, QueenHazel_24
• Track 31 : HC_25, Babsiella_25
• Track 32 : Che9c_24
• Track 33 : Sbash_24
• Track 34 : Stuck_24
• Track 35 : Bluvara_25
• Track 36 : Lucky2013_42, Courthouse_42, Superphikiman_42, Shaboozey_36, Nibley_37, DmpstrDiver_43, Porcelain_41, BronnyJames_36, Ariel_42, LittleE_48, Squint_41, Hannaconda_39, MiaZeal_42, KashFlow_36
• Track 37 : Optimus_46
• Track 38 : BAKA_45, Gonephishing_43, Omega_47
• Track 39 : Tessdabest_24, Silvy_25, Magsby_25, Xerxes_25, Duplicity_25, Journey_25, Smurph_25, Bosection6_25, Charlie_25, Melville_25, Gex_25, Aggie_25, Tapioca_25, Parmesanjohn_25, Cubone_25, LilSpotty_28, Tortoise12_25
• Track 40 : Hanako_24, Redi_24, Spinach_24, Nenae_24, PhancyPhin_24, BabeRuth_24, ShrimpFriedEgg_24, Purgamenstris_24
• Track 41 : SkinnyPete_24
• Track 42 : Butters_25, Kevin1_25, Rubeelu_25
• Track 43 : Schnauzer_25, Philonius_25, Carcharodon_25, EGUnicorn_25, Chewbacca_25, Silvafighter_25, Pipsqueaks_25

• Track 44 : Snekmaggedon_24, SpongeBob_24, Jamie19_24
• Track 45 : Andies_24, Shweta_24, Scitech_24
• Track 46 : MichelleMyBell_25, Raymond7_24
• Track 47 : Rebel_24
• Track 48 : Panchino_24
• Track 49 : Impisi_25
• Track 50 : Phrann_24
• Track 51 : Sonah_25, Ksquared_25, Phegasus_25, Fishburne_25, Etoile_25, Jebeks_25, Juniormint_25, Venti_25, Polkaroo_25, Vidya_25, FirstPlacePfu_25, Chubbello_25, PeanutPie_25, StevieRay_25, Bunnies_25, Donovan_25
• Track 52 : Shipwreck_27, Pygmy_27, Bogie_27, Brujita_28, Island3_28
• Track 53 : Gavriela_25
• Track 54 : Techage_25, Xeno_24
• Track 55 : BronnyJr_25, GaloreK_25
• Track 56 : Bhagsy_25, Brusacoram_25, Zilizebeth_25, Mangethe_25, Necropolis_25, Majeke_25, Thespis_25, Malithi_25, Arib1_25
• Track 57 : Willsammy_25
• Track 58 : CactusJack_25, StressBall_25, Glaske_25, Megiddo_25, KilKor_25, Phalm_25
• Track 59 : Kari_25, Atcoo_25, Camster_25, Xavia_25
• Track 60 : Dynamo_25
• Track 61 : HUHilltop_25, Langerak_25
• Track 62 : Phineas_25
• Track 63 : GreaseLightnin_25
• Track 64 : Tortellini_25
• Track 65 : BigNuz_25, Nazo_25
• Track 66 : Phayonce_25
• Track 67 : ThulaThula_25
• Track 68 : Purky_25
• Track 69 : MooMoo_26

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

The start number called the most often in the published annotations is 26, it was called in 127 of the 375 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AlpineSix_29, ArcusAngelus_28, Blexus_28, BlueCrab_28, BobaPhett_28, BodEinwohner17_28, Boomer_29, Burwell21_28, ByChance_28, Byougenkin_28, Cabrinians_28, CaptainTrips_29, Che8_30, Cheesepuff_30, Chevrolet_28, Chuckly_28, Clank_25, Cornie_28, DRBy19_28, Daenerys_28, Dante_28, DirtMcgirt_29, Donkeykong_28, Doomphist_28, DotProduct_28, Drago_29, EmiMonkey_28, Emmaloid_29, Empress_29, Eradicator_28, Estave1_26, FreddyB_28, GUmbie_28, GigiOuiOui_28, Girr_28, Gorge_28, Grimmer_30, Guppsters_29, Hamulus_28, Harley_28, Ibhubesi_28, Inventum_28, James_28, Jarcob_28, Jinglebell_27, JoeyJr_28, Juniper1_28, Karhdo_28, Kenuha5_25, Kimberlium_30, KingMidas_29, Leperchaun_28, LilMoolah_28, LittleShirley_29, Lizziana_28, Llama_28, Llij_28, Lorde_29, LunaBlu_29, MadMen_25, Madiba_26, Mahavrat_28, Mantra_28, Maravista_28, Martik_28, Mattes_28, MinionDave_29, MisterCuddles_28, Modragons_28, MulchExplorer_30, Mutaforma13_28, Nichirin_28,

Nimbo_28, Nitzel_29, Nivrat_28, NormanBulbieJr_28, OfUltron_28, Ogopogo_28, Okabe_28, Oksu_29, OldBen_28, OlympiaSaint_28, PHappiness_28, PMC_28, Pacc40_28, Peridot_29, Phasih_29, Phatniss_29, Philus_28, PhlipPhlop_28, Piper2020_30, Poenanya_28, Pollywog_28, Priscilla_28, QuickMath_29, Radiance_28, RedBird_28, Renaud18_28, Rialto_30, RitaG_28, Rita_28, Rockne_28, Ruby_28, Saal_28, Sabbb_29, Sandalphon_29, Sassafras_28, Scottish_29, Seabastian_28, ShiLan_28, ShowerHandel_28, SiSi_28, SimranZ1_29, Slim_29, Soul22_32, Sparkdehlily_28, Spoonbill_28, Stap_29, SuperGrey_28, SwagPigglett_28, TDanisky_28, ThetaBob_27, Topiatin_31, Totinger_29, UncleRicky_31, Veteran_28, Wachhund_28, Whatsapiecost_28, Whouxphf_28, Yorick_28, Zizzle_28,

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

Genes that do not have the "Most Annotated" start:
• Aggie_25, Akhila_22, Alexphander_30, Aloeri_30, Andies_24, Arib1_25, Ariel_42, Atcoo_25, Aubs_28, Avani_32, Awesomesauce_29, BAKA_45, BabeRuth_24, Babsiella_25, Batiatus_28, Beakin_29, Beanstalk_30, Bhagsy_25, BigNuz_25, BigPhil_23, Bipolar_25, Blarby_36, Bluvara_25, Bobi_30, Bogie_27, Bosection6_25, Brocalys_23, BronnyJames_36, BronnyJr_25, Brookers_26, Brujita_28, Brusacoram_25, Brushbloom_29, Bubbles123_29, Bunnies_25, Butters_25, BuzzLyseyear_30, CactusJack_25, Camster_25, Carcharodon_25, Cerasum_23, Charlie_25, Che9c_24, Che9d_32, Chewbacca_25, ChickenDinner_30, Chubbello_25, Clifton_22, Coco12_27, Corium_28, Cornucopia_29, Courthouse_42, Crumble_22, Cubone_25, DLane_28, DaWorst_30, DaddyRickover_28, DeadP_28, Deb65_28, Demsculpinboyz_32, DillTech15_28, DmpstrDiver_43, DoRead_28, DocMcStuffins_30, Donovan_25, Doomslug_31, Dorothy_28, DosHalletts_29, Doug_29, Duplicity_25, Dynamo_25, EGUnicorn_25, Eish_28, EleanorGeorge_28, Emma_30, Enby_29, Enzomatic_32, Etoile_25, Fancypants_28, Farewell_24, Fastidio_30, Filuzino_28, Firehouse51_29, FirstPlacePfu_25, Fishburne_25, Flathead_28, Florinda_28, Frankie_31, Fruitloop_27, Fulbright_24, Galactic_28, GaloreK_25, Gandalph_28, Gavriela_25, Geralt_28, Gex_25, Girafales_29, Glaske_25, Gonephishing_43, GreaseLightnin_25, HC_25, HUHilltop_25, Hades_28, Hanako_24, Hannaconda_39, Hegedechwinu_29, Hlubikazi_28, IMpilo_27, IbOuu_29, IdentityCrisis_24, Impisi_25, IrishSherpFalk_29, Island3_28, Jabbawokkie_35, JalFarm20_30, Jamie19_24, Jant_29, Jebeks_25, Jennelsea_22, Job42_31, Journey_25, Juice456_29, Juniormint_25, Kari_25, KashFlow_36, Kevin1_25, KilKor_25, KingJulian_28, Kingsley_26, Koella_22, Krakatau_29, KristaRAM_29, Ksquared_25, Langerak_25, LastJedi_22, Latretium_29, Leozinho_29, LilSpotty_28, LittleE_48, Lucia_29, Lucky2013_42, LunaStella_29, Magsby_25, Majeke_25, Malithi_25, Mandlovu_28, Mangethe_25, Marker_29, Medindi_29, Megiddo_25, Melissauren88_28, Melville_25, MiaZeal_42, MichelleMyBell_25, MilanaBonita_22, MilleniumForce_29, Minnie_29, Misha28_29, MooMoo_26, Moonbeam_29, Mova_29, Mozy_29, Ms6_22, MulchSalad_23, Mwanjiwa_28, Nazo_25, Necropolis_25, Nenae_24, NewHope4_30, Nibley_37, Ochi17_26, Okabe_24, Omega_47, Optimus_46, Ovechkin_28, OwlsT2W_29, PaintedDog_27, Panchino_24, Parmesanjohn_25, PatoPoderoso_28, PeanutPie_25, Phalconet_28, Phalm_25, PhancyPhin_24, Phanphagia_25, Phayonce_25, Phegasus_25, PhesterPhotato_28, Philonius_25, Phineas_25, Phloss_24, Phrann_24, Pippy_22, Pipsqueaks_25, Plumbus_29, Polka14_29, Polkaroo_25, Polo2Bam_32, PopTart_28, Porcelain_41, Purgamenstris_24, Purky_25, Pygmy_27, QueenHazel_24, Quico_29, Ramsey_29, Raymond7_24, Rebel_24, Redi_24,

RockyHorror_29, Royals2015_28, Rubeelu_25, SG4_28, Sarma624_23, SassyB_28, Sbash_24, Schnauzer_25, Scitech_24, SeaLumen_31, Seagreen_29, Shaboozey_36, Shauna1_25, Shipwreck_27, ShrimpFriedEgg_24, ShroomBoi_25, Shweta_24, Silvafighter_25, SilverChicken_35, Silvy_25, SkinnyPete_24, Smurph_25, Snekmaggedon_24, Sonah_25, Spartacus_29, Spikelee_29, Spinach_24, SpongeBob_24, Squint_41, Squirty_23, StAnnes_25, Starcevich_31, StevieRay_25, StressBall_25, Strokeseat_28, Stuck_24, Superphikiman_42, TChen_27, Taj_28, Tapioca_25, Tchotchke_26, Techage_25, Tessdabest_24, Thespis_25, ThulaThula_25, TootsiePop_29, Tootsieroll_29, Toron_27, Tortellini_25, Tortoise12_25, Tweety_28, VRedHorse_28, Velveteen_23, Venti_25, Vidya_25, Violac_29, Vivum_28, WST1_25, Wee_29, WillSterrel_29, Willsammy_25, XFactor_28, Xavia_25, Xeno_24, Xerxes_25, Xula_23, Zapner_34, Zerg_28, Zilizebeth_25,

Summary by start number:

Start 19:
• Found in 56 of 409 (13.7%) of genes in pham
• Manual Annotations of this start: 7 of 375
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Carcharodon_25 (N), Chewbacca_25 (N), EGUnicorn_25 (N), Philonius_25 (N), Pipsqueaks_25 (N), Schnauzer_25 (N), Silvafighter_25 (N),

Start 20:
• Found in 130 of 409 (31.8%) of genes in pham
• Manual Annotations of this start: 74 of 375
• Called 61.5% of time when present
• Phage (with cluster) where this start called: Aggie_25 (N), Akhila_22 (F1), Andies_24 (N), Arib1_25 (P1), BabeRuth_24 (N), Bhagsy_25 (P1), BigPhil_23 (F1), Bluvara_25 (I3), Bosection6_25 (N), Brocalys_23 (F1), Brusacoram_25 (P1), CactusJack_25 (P1), Cerasum_23 (F1), Charlie_25 (N), Che9c_24 (I2), Clifton_22 (F1), Crumble_22 (F1), Cubone_25 (N), Duplicity_25 (N), Fulbright_24 (N), Gex_25 (N), Glaske_25 (P1), GreaseLightnin_25 (P1), Hanako_24 (N), IdentityCrisis_24 (AJ), Jamie19_24 (N), Jennelsea_22 (F1), Journey_25 (N), KilKor_25 (P1), Koella_22 (F1), LastJedi_22 (F1), LilSpotty_28 (singleton), Magsby_25 (N), Majeke_25 (P1), Malithi_25 (P1), Mangethe_25 (P1), Megiddo_25 (P1), Melville_25 (N), MilanaBonita_22 (F1), Ms6_22 (F1), MulchSalad_23 (F7), Necropolis_25 (P1), Nenae_24 (N), Panchino_24 (N), Parmesanjohn_25 (N), Phalm_25 (P1), PhancyPhin_24 (N), Phineas_25 (P1), Phloss_24 (N), Phrann_24 (N), Pippy_22 (F1), Purgamenstris_24 (N), Purky_25 (P6), QueenHazel_24 (I1), Redi_24 (N), Sarma624_23 (F1), Sbash_24 (I2), Scitech_24 (N), ShrimpFriedEgg_24 (N), Shweta_24 (N), Silvy_25 (N), Smurph_25 (N), Snekmaggedon_24 (N), Spinach_24 (N), SpongeBob_24 (N), Squirty_23 (F3), StressBall_25 (P1), Stuck_24 (I2), Tapioca_25 (N), Tessdabest_24 (N), Thespis_25 (P1), Toron_27 (F6), Tortellini_25 (P2), Tortoise12_25 (N), Velveteen_23 (F1), WST1_25 (AJ), Willsammy_25 (P1), Xerxes_25 (N), Xula_23 (I1), Zilizebeth_25 (P1),

Start 21:
• Found in 91 of 409 (22.2%) of genes in pham
• Manual Annotations of this start: 53 of 375
• Called 70.3% of time when present

• Phage (with cluster) where this start called: Ariel_42 (J), Atcoo_25 (P1), BAKA_45 (J), Babsiella_25 (I1), BigNuz_25 (P4), BronnyJames_36 (J), BronnyJr_25 (P1), Bunnies_25 (P1), Butters_25 (N), Camster_25 (P1), Chubbello_25 (P1), Courthouse_42 (J), DmpstrDiver_43 (J), Donovan_25 (P1), Dynamo_25 (P1), Etoile_25 (P1), FirstPlacePfu_25 (P1), Fishburne_25 (P1), GaloreK_25 (P1), Gavriela_25 (P1), Gonephishing_43 (J), HC_25 (I1), HUHilltop_25 (P1), Hannaconda_39 (J), Impisi_25 (N), Jebeks_25 (P1), Juniormint_25 (P1), Kari_25 (P1), KashFlow_36 (J), Kevin1_25 (N), Ksquared_25 (P1), Langerak_25 (P1), LittleE_48 (J), Lucky2013_42 (J), MiaZeal_42 (J), MichelleMyBell_25 (N), Nazo_25 (P4), Nibley_37 (J), Ochi17_26 (F1), Okabe_24 (F8), Omega_47 (J), Optimus_46 (J), PeanutPie_25 (P1), Phayonce_25 (P5), Phegasus_25 (P1), Polkaroo_25 (P1), Porcelain_41 (J), Raymond7_24 (N), Rebel_24 (N), Rubeelu_25 (N), Shaboozey_36 (J), SkinnyPete_24 (N), Sonah_25 (P1), Squint_41 (J), StAnnes_25 (F1), StevieRay_25 (P1), Superphikiman_42 (J), Tchotchke_26 (F1), Techage_25 (P1), ThulaThula_25 (P5), Venti_25 (P1), Vidya_25 (P1), Xavia_25 (P3), Xeno_24 (N),

Start 22:
• Found in 105 of 409 (25.7%) of genes in pham
• Manual Annotations of this start: 92 of 375
• Called 98.1% of time when present
• Phage (with cluster) where this start called: Alexphander_30 (F1), Aloeri_30 (F1), Aubs_28 (F1), Awesomesauce_29 (F1), Batiatus_28 (F1), Beakin_29 (F1), Beanstalk_30 (F1), Bipolar_25 (F1), Blarby_36 (F), Brookers_26 (F1), Brushbloom_29 (F1), Bubbles123_29 (F1), BuzzLyseyear_30 (F1), ChickenDinner_30 (F1), Coco12_27 (F1), Corium_28 (F1), Cornucopia_29 (F1), DLane_28 (F1), DaWorst_30 (F1), DaddyRickover_28 (F1), DeadP_28 (F1), Deb65_28 (F1), DillTech15_28 (F1), DoRead_28 (F1), DocMcStuffins_30 (F1), Doomslug_31 (F), Dorothy_28 (F1), DosHalletts_29 (F1), Doug_29 (F1), Eish_28 (F1), EleanorGeorge_28 (F1), Enby_29 (F1), Enzomatic_32 (F1), Fancypants_28 (F1), Filuzino_28 (F1), Firehouse51_29 (F1), Flathead_28 (F1), Florinda_28 (F1), Fruitloop_27 (F1), Gandalph_28 (F1), Geralt_28 (F1), Girafales_29 (F1), Hades_28 (F1), Hegedechwinu_29 (F1), Hlubikazi_28 (F1), IMpilo_27 (F1), IbOuu_29 (F1), IrishSherpFalk_29 (F1), JalFarm20_30 (F1), Jant_29 (F1), Job42_31 (F1), Juice456_29 (F1), KingJulian_28 (F1), Kingsley_26 (F1), Krakatau_29 (F1), KristaRAM_29 (F1), Leozinho_29 (F1), Lucia_29 (F1), Mandlovu_28 (F1), Marker_29 (F1), Medindi_29 (F1), Melissauren88_28 (F1), MilleniumForce_29 (F1), Misha28_29 (F1), Moonbeam_29 (F1), Mova_29 (F1), Mozy_29 (F1), Mwanjiwa_28 (F1), NewHope4_30 (F1), Ovechkin_28 (F1), OwlsT2W_29 (F1), PatoPoderoso_28 (F1), Phalconet_28 (F1), Phanphagia_25 (F1), PhesterPhotato_28 (F1), Plumbus_29 (F1), Polka14_29 (F1), Polo2Bam_32 (F1), PopTart_28 (F1), Quico_29 (F1), Ramsey_29 (F1), RockyHorror_29 (F1), Royals2015_28 (F1), SG4_28 (F1), SassyB_28 (F1), SeaLumen_31 (F1), Seagreen_29 (F1), Shauna1_25 (F1), ShroomBoi_25 (F1), Spartacus_29 (F1), Spikelee_29 (F1), Strokeseat_28 (F1), Taj_28 (F1), TootsiePop_29 (F1), Tootsieroll_29 (F1), Tweety_28 (F1), VRedHorse_28 (F1), Violac_29 (F1), Vivum_28 (F1), Wee_29 (F1), WillSterrel_29 (F1), XFactor_28 (F1), Zerg_28 (F1),

Start 23:
• Found in 4 of 409 (1.0%) of genes in pham
• Manual Annotations of this start: 2 of 375
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Emma_30 (F1), Fastidio_30 (F1),

Start 24:
• Found in 69 of 409 (16.9%) of genes in pham
• Manual Annotations of this start: 1 of 375
• Called 1.4% of time when present
• Phage (with cluster) where this start called: Farewell_24 (AF),

Start 26:
• Found in 131 of 409 (32.0%) of genes in pham
• Manual Annotations of this start: 127 of 375
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AlpineSix_29 (F1), ArcusAngelus_28 (F1), Blexus_28 (F1), BlueCrab_28 (F1), BobaPhett_28 (F1), BodEinwohner17_28 (F1), Boomer_29 (F1), Burwell21_28 (F1), ByChance_28 (F1), Byougenkin_28 (F1), Cabrinians_28 (F1), CaptainTrips_29 (F1), Che8_30 (F1), Cheesepuff_30 (F1), Chevrolet_28 (F1), Chuckly_28 (F1), Clank_25 (F), Cornie_28 (F5), DRBy19_28 (F1), Daenerys_28 (F1), Dante_28 (F1), DirtMcgirt_29 (F1), Donkeykong_28 (F1), Doomphist_28 (F1), DotProduct_28 (F1), Drago_29 (F1), EmiMonkey_28 (F1), Emmaloid_29 (F1), Empress_29 (F1), Eradicator_28 (F1), Estave1_26 (F1), FreddyB_28 (F1), GUmbie_28 (F1), GigiOuiOui_28 (F1), Girr_28 (F1), Gorge_28 (F1), Grimmer_30 (F1), Guppsters_29 (F1), Hamulus_28 (F1), Harley_28 (F1), Ibhubesi_28 (F1), Inventum_28 (F1), James_28 (F1), Jarcob_28 (F1), Jinglebell_27 (F1), JoeyJr_28 (F1), Juniper1_28 (F1), Karhdo_28 (F1), Kenuha5_25 (F1), Kimberlium_30 (F1), KingMidas_29 (F1), Leperchaun_28 (F1), LilMoolah_28 (F1), LittleShirley_29 (F1), Lizziana_28 (F1), Llama_28 (F1), Llij_28 (F1), Lorde_29 (F1), LunaBlu_29 (F1), MadMen_25 (F1), Madiba_26 (F1), Mahavrat_28 (F1), Mantra_28 (F1), Maravista_28 (F1), Martik_28 (F1), Mattes_28 (F1), MinionDave_29 (F1), MisterCuddles_28 (F1), Modragons_28 (F1), MulchExplorer_30 (F1), Mutaforma13_28 (F1), Nichirin_28 (F1), Nimbo_28 (F1), Nitzel_29 (F1), Nivrat_28 (F1), NormanBulbieJr_28 (F1), OfUltron_28 (F1), Ogopogo_28 (F1), Okabe_28 (F8), Oksu_29 (F1), OldBen_28 (F1), OlympiaSaint_28 (F1), PHappiness_28 (F1), PMC_28 (F1), Pacc40_28 (F1), Peridot_29 (F1), Phasih_29 (F1), Phatniss_29 (F1), Philus_28 (F1), PhlipPhlop_28 (F1), Piper2020_30 (F1), Poenanya_28 (F1), Pollywog_28 (F1), Priscilla_28 (F1), QuickMath_29 (F1), Radiance_28 (F1), RedBird_28 (F1), Renaud18_28 (F4), Rialto_30 (F1), RitaG_28 (F1), Rita_28 (F1), Rockne_28 (F1), Ruby_28 (F1), Saal_28 (F1), Sabbb_29 (F1), Sandalphon_29 (F1), Sassafras_28 (F1), Scottish_29 (F1), Seabastian_28 (F1), ShiLan_28 (F1), ShowerHandel_28 (F1), SiSi_28 (F1), SimranZ1_29 (F1), Slim_29 (F1), Soul22_32 (F2), Sparkdehlily_28 (F1), Spoonbill_28 (F1), Stap_29 (F1), SuperGrey_28 (F1), SwagPigglett_28 (F1), TDanisky_28 (F1), ThetaBob_27 (F4), Topiatin_31 (F1), Totinger_29 (F1), UncleRicky_31 (F1), Veteran_28 (F1), Wachhund_28 (F1), Whatsapiecost_28 (F1), Whouxphf_28 (F1), Yorick_28 (F1), Zizzle_28 (F1),

Start 27:
• Found in 124 of 409 (30.3%) of genes in pham
• Manual Annotations of this start: 17 of 375
• Called 15.3% of time when present
• Phage (with cluster) where this start called: Avani_32 (F2), Bobi_30 (F1), Bogie_27 (P1), Brujita_28 (I1), Che9d_32 (F2), Demsculpinboyz_32 (F2), Frankie_31 (F1), Galactic_28 (F1), Island3_28 (I1), Jabbawokkie_35 (F2), LunaStella_29 (F4), Minnie_29 (F1), PaintedDog_27 (I1), Pygmy_27 (P1), Shipwreck_27 (P1), SilverChicken_35 (F2), Starcevich_31 (F1), TChen_27 (F4), Zapner_34 (F2),

Start 28:

• Found in 2 of 409 (0.5%) of genes in pham
• Manual Annotations of this start: 2 of 375
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Latretium_29 (F1), MooMoo_26 (singleton),

Summary by clusters:

There are 23 clusters represented in this pham: singleton, I2, AJ, AF, I1, I3, F, P2, P3, P1, P6, P4, P5, J, N, F1, F2, F3, F4, F5, F6, F7, F8,

Info for manual annotations of cluster AF:
•Start number 24 was manually annotated 1 time for cluster AF.

Info for manual annotations of cluster AJ:
•Start number 20 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster F1:
•Start number 20 was manually annotated 13 times for cluster F1.
•Start number 21 was manually annotated 3 times for cluster F1.
•Start number 22 was manually annotated 92 times for cluster F1.
•Start number 23 was manually annotated 2 times for cluster F1.
•Start number 26 was manually annotated 123 times for cluster F1.
•Start number 27 was manually annotated 5 times for cluster F1.
•Start number 28 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 26 was manually annotated 1 time for cluster F2.
•Start number 27 was manually annotated 5 times for cluster F2.

Info for manual annotations of cluster F3:
•Start number 20 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:
•Start number 26 was manually annotated 2 times for cluster F4.
•Start number 27 was manually annotated 2 times for cluster F4.

Info for manual annotations of cluster F5:
•Start number 26 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster F7:
•Start number 20 was manually annotated 1 time for cluster F7.

Info for manual annotations of cluster I1:
•Start number 20 was manually annotated 2 times for cluster I1.
•Start number 21 was manually annotated 2 times for cluster I1.
•Start number 27 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster I2:
•Start number 20 was manually annotated 3 times for cluster I2.

Info for manual annotations of cluster J:
•Start number 21 was manually annotated 14 times for cluster J.

Info for manual annotations of cluster N:
•Start number 19 was manually annotated 7 times for cluster N.
•Start number 20 was manually annotated 32 times for cluster N.
•Start number 21 was manually annotated 8 times for cluster N.

Info for manual annotations of cluster P1:
•Start number 20 was manually annotated 18 times for cluster P1.
•Start number 21 was manually annotated 21 times for cluster P1.
•Start number 27 was manually annotated 3 times for cluster P1.

Info for manual annotations of cluster P2:
•Start number 20 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:
•Start number 21 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:
•Start number 21 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:
•Start number 21 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:
•Start number 20 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: Aggie_25 Start: 22170, Stop: 22349, Start Num: 20
Candidate Starts for Aggie_25:
(Start: 19 @22167 has 7 MA's), (Start: 20 @22170 has 74 MA's), (37, 22254), (38, 22257),

Gene: Akhila_22 Start: 21918, Stop: 22094, Start Num: 20
Candidate Starts for Akhila_22:
(Start: 20 @21918 has 74 MA's), (41, 22017), (46, 22050),

Gene: Alexphander_30 Start: 26399, Stop: 26551, Start Num: 22
Candidate Starts for Alexphander_30:
(Start: 22 @26399 has 92 MA's), (Start: 27 @26414 has 17 MA's), (44, 26486),

Gene: Aloeri_30 Start: 26467, Stop: 26634, Start Num: 22
Candidate Starts for Aloeri_30:
(Start: 22 @26467 has 92 MA's), (Start: 27 @26497 has 17 MA's), (44, 26569),

Gene: AlpineSix_29 Start: 26099, Stop: 26239, Start Num: 26
Candidate Starts for AlpineSix_29:
(Start: 26 @26099 has 127 MA's), (44, 26174),

Gene: Andies_24 Start: 21768, Stop: 21941, Start Num: 20
Candidate Starts for Andies_24:
(Start: 20 @21768 has 74 MA's), (Start: 21 @21771 has 53 MA's), (Start: 24 @21786 has 1 MA's), (38, 21855), (42, 21867), (44, 21879), (46, 21897),

Gene: ArcusAngelus_28 Start: 25871, Stop: 26011, Start Num: 26
Candidate Starts for ArcusAngelus_28:
(Start: 26 @25871 has 127 MA's), (44, 25946),

Gene: Arib1_25 Start: 22882, Stop: 23055, Start Num: 20
Candidate Starts for Arib1_25:
(Start: 19 @22873 has 7 MA's), (Start: 20 @22882 has 74 MA's), (Start: 21 @22885 has 53 MA's), (Start: 24 @22900 has 1 MA's),

Gene: Ariel_42 Start: 34845, Stop: 35006, Start Num: 21
Candidate Starts for Ariel_42:
(Start: 21 @34845 has 53 MA's), (38, 34920), (44, 34944), (46, 34962),

Gene: Atcoo_25 Start: 23373, Stop: 23543, Start Num: 21
Candidate Starts for Atcoo_25:
(Start: 20 @23370 has 74 MA's), (Start: 21 @23373 has 53 MA's), (Start: 24 @23388 has 1 MA's), (38, 23457), (39, 23460), (41, 23466),

Gene: Aubs_28 Start: 26001, Stop: 26168, Start Num: 22
Candidate Starts for Aubs_28:
(Start: 22 @26001 has 92 MA's), (Start: 27 @26031 has 17 MA's), (44, 26103),

Gene: Avani_32 Start: 24801, Stop: 24938, Start Num: 27
Candidate Starts for Avani_32:
(Start: 27 @24801 has 17 MA's), (44, 24873),

Gene: Awesomesauce_29 Start: 25741, Stop: 25893, Start Num: 22
Candidate Starts for Awesomesauce_29:
(Start: 22 @25741 has 92 MA's), (Start: 27 @25756 has 17 MA's), (44, 25828),

Gene: BAKA_45 Start: 38282, Stop: 38443, Start Num: 21
Candidate Starts for BAKA_45:
(Start: 21 @38282 has 53 MA's), (46, 38399),

Gene: BabeRuth_24 Start: 21647, Stop: 21823, Start Num: 20
Candidate Starts for BabeRuth_24:
(3, 21329), (6, 21431), (Start: 20 @21647 has 74 MA's), (38, 21737), (44, 21761), (46, 21779),

Gene: Babsiella_25 Start: 22893, Stop: 23063, Start Num: 21
Candidate Starts for Babsiella_25:
(Start: 19 @22881 has 7 MA's), (Start: 20 @22890 has 74 MA's), (Start: 21 @22893 has 53 MA's), (Start: 24 @22908 has 1 MA's), (38, 22977),

Gene: Batiatus_28 Start: 25899, Stop: 26051, Start Num: 22
Candidate Starts for Batiatus_28:
(Start: 22 @25899 has 92 MA's), (Start: 27 @25914 has 17 MA's), (44, 25986),

Gene: Beakin_29 Start: 25768, Stop: 25920, Start Num: 22
Candidate Starts for Beakin_29:
(Start: 22 @25768 has 92 MA's), (Start: 27 @25783 has 17 MA's), (44, 25855),

Gene: Beanstalk_30 Start: 26029, Stop: 26196, Start Num: 22
Candidate Starts for Beanstalk_30:
(Start: 22 @26029 has 92 MA's), (Start: 27 @26059 has 17 MA's), (44, 26131),

Gene: Bhagsy_25 Start: 22883, Stop: 23056, Start Num: 20
Candidate Starts for Bhagsy_25:
(Start: 19 @22874 has 7 MA's), (Start: 20 @22883 has 74 MA's), (Start: 21 @22886 has 53 MA's), (Start: 24 @22901 has 1 MA's),

Gene: BigNuz_25 Start: 23510, Stop: 23683, Start Num: 21
Candidate Starts for BigNuz_25:
(Start: 20 @23507 has 74 MA's), (Start: 21 @23510 has 53 MA's), (Start: 23 @23531 has 2 MA's), (Start: 24 @23534 has 1 MA's), (Start: 27 @23552 has 17 MA's), (35, 23585), (38, 23597),

Gene: BigPhil_23 Start: 21863, Stop: 22039, Start Num: 20
Candidate Starts for BigPhil_23:
(6, 21647), (Start: 20 @21863 has 74 MA's), (38, 21953), (42, 21965), (46, 21995),

Gene: Bipolar_25 Start: 24931, Stop: 25083, Start Num: 22
Candidate Starts for Bipolar_25:
(Start: 22 @24931 has 92 MA's), (Start: 27 @24946 has 17 MA's), (44, 25018),

Gene: Blarby_36 Start: 26306, Stop: 26470, Start Num: 22
Candidate Starts for Blarby_36:
(Start: 22 @26306 has 92 MA's), (Start: 27 @26333 has 17 MA's), (44, 26405),

Gene: Blexus_28 Start: 26193, Stop: 26327, Start Num: 26
Candidate Starts for Blexus_28:
(Start: 26 @26193 has 127 MA's), (44, 26262),

Gene: BlueCrab_28 Start: 26057, Stop: 26197, Start Num: 26
Candidate Starts for BlueCrab_28:
(Start: 26 @26057 has 127 MA's), (44, 26132),

Gene: Bluvara_25 Start: 22957, Stop: 23130, Start Num: 20
Candidate Starts for Bluvara_25:
(Start: 19 @22948 has 7 MA's), (Start: 20 @22957 has 74 MA's), (Start: 21 @22960 has 53 MA's), (Start: 24 @22975 has 1 MA's), (38, 23044), (41, 23053),

Gene: BobaPhett_28 Start: 26045, Stop: 26179, Start Num: 26
Candidate Starts for BobaPhett_28:
(Start: 26 @26045 has 127 MA's), (44, 26114),

Gene: Bobi_30 Start: 26629, Stop: 26766, Start Num: 27
Candidate Starts for Bobi_30:
(Start: 27 @26629 has 17 MA's), (44, 26701),

Gene: BodEinwohner17_28 Start: 26197, Stop: 26337, Start Num: 26
Candidate Starts for BodEinwohner17_28:

(Start: 26 @26197 has 127 MA's), (44, 26272),

Gene: Bogie_27 Start: 24738, Stop: 24872, Start Num: 27
Candidate Starts for Bogie_27:
(Start: 27 @24738 has 17 MA's), (34, 24771), (38, 24786), (39, 24789),

Gene: Boomer_29 Start: 25673, Stop: 25813, Start Num: 26
Candidate Starts for Boomer_29:
(Start: 26 @25673 has 127 MA's), (44, 25748),

Gene: Bosection6_25 Start: 22169, Stop: 22348, Start Num: 20
Candidate Starts for Bosection6_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Brocalys_23 Start: 21674, Stop: 21850, Start Num: 20
Candidate Starts for Brocalys_23:
(3, 21356), (6, 21458), (Start: 20 @21674 has 74 MA's), (37, 21761), (38, 21764), (42, 21776),

Gene: BronnyJames_36 Start: 33375, Stop: 33536, Start Num: 21
Candidate Starts for BronnyJames_36:
(Start: 21 @33375 has 53 MA's), (38, 33450), (44, 33474), (46, 33492),

Gene: BronnyJr_25 Start: 23344, Stop: 23514, Start Num: 21
Candidate Starts for BronnyJr_25:
(Start: 20 @23341 has 74 MA's), (Start: 21 @23344 has 53 MA's), (Start: 24 @23359 has 1 MA's), (38, 23428), (41, 23437),

Gene: Brookers_26 Start: 24833, Stop: 25000, Start Num: 22
Candidate Starts for Brookers_26:
(Start: 22 @24833 has 92 MA's), (Start: 27 @24863 has 17 MA's), (44, 24935),

Gene: Brujita_28 Start: 25093, Stop: 25227, Start Num: 27
Candidate Starts for Brujita_28:
(Start: 27 @25093 has 17 MA's), (34, 25126), (38, 25141), (39, 25144),

Gene: Brusacoram_25 Start: 22876, Stop: 23049, Start Num: 20
Candidate Starts for Brusacoram_25:
(Start: 19 @22867 has 7 MA's), (Start: 20 @22876 has 74 MA's), (Start: 21 @22879 has 53 MA's), (Start: 24 @22894 has 1 MA's),

Gene: Brushbloom_29 Start: 25908, Stop: 26075, Start Num: 22
Candidate Starts for Brushbloom_29:
(Start: 22 @25908 has 92 MA's), (Start: 27 @25938 has 17 MA's), (44, 26010),

Gene: Bubbles123_29 Start: 26579, Stop: 26746, Start Num: 22
Candidate Starts for Bubbles123_29:
(Start: 22 @26579 has 92 MA's), (Start: 27 @26609 has 17 MA's), (44, 26681),

Gene: Bunnies_25 Start: 22901, Stop: 23071, Start Num: 21
Candidate Starts for Bunnies_25:
(Start: 19 @22889 has 7 MA's), (Start: 20 @22898 has 74 MA's), (Start: 21 @22901 has 53 MA's), (Start: 24 @22916 has 1 MA's),

Gene: Burwell21_28 Start: 26064, Stop: 26204, Start Num: 26
Candidate Starts for Burwell21_28:
(Start: 26 @26064 has 127 MA's), (44, 26139),

Gene: Butters_25 Start: 21584, Stop: 21754, Start Num: 21
Candidate Starts for Butters_25:
(5, 21341), (Start: 20 @21581 has 74 MA's), (Start: 21 @21584 has 53 MA's), (Start: 24 @21599 has 1 MA's), (40, 21671),

Gene: BuzzLyseyear_30 Start: 26410, Stop: 26577, Start Num: 22
Candidate Starts for BuzzLyseyear_30:
(Start: 22 @26410 has 92 MA's), (Start: 27 @26440 has 17 MA's), (44, 26512),

Gene: ByChance_28 Start: 26041, Stop: 26181, Start Num: 26
Candidate Starts for ByChance_28:
(Start: 26 @26041 has 127 MA's), (44, 26116),

Gene: Byougenkin_28 Start: 25893, Stop: 26033, Start Num: 26
Candidate Starts for Byougenkin_28:
(Start: 26 @25893 has 127 MA's), (44, 25968),

Gene: Cabrinians_28 Start: 26073, Stop: 26207, Start Num: 26
Candidate Starts for Cabrinians_28:
(Start: 26 @26073 has 127 MA's), (44, 26142),

Gene: CactusJack_25 Start: 23141, Stop: 23314, Start Num: 20
Candidate Starts for CactusJack_25:
(Start: 20 @23141 has 74 MA's), (Start: 21 @23144 has 53 MA's), (Start: 24 @23159 has 1 MA's),

Gene: Camster_25 Start: 22914, Stop: 23081, Start Num: 21
Candidate Starts for Camster_25:
(Start: 20 @22911 has 74 MA's), (Start: 21 @22914 has 53 MA's), (Start: 24 @22929 has 1 MA's), (38, 22995), (39, 22998), (41, 23004),

Gene: CaptainTrips_29 Start: 26266, Stop: 26406, Start Num: 26
Candidate Starts for CaptainTrips_29:
(Start: 26 @26266 has 127 MA's), (44, 26341),

Gene: Carcharodon_25 Start: 22166, Stop: 22348, Start Num: 19
Candidate Starts for Carcharodon_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Cerasum_23 Start: 21863, Stop: 22039, Start Num: 20
Candidate Starts for Cerasum_23:
(6, 21647), (Start: 20 @21863 has 74 MA's), (38, 21953), (42, 21965), (46, 21995),

Gene: Charlie_25 Start: 22169, Stop: 22348, Start Num: 20
Candidate Starts for Charlie_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Che8_30 Start: 26247, Stop: 26387, Start Num: 26
Candidate Starts for Che8_30:
(Start: 26 @26247 has 127 MA's), (44, 26322),

Gene: Che9c_24 Start: 23013, Stop: 23189, Start Num: 20
Candidate Starts for Che9c_24:
(Start: 20 @23013 has 74 MA's), (Start: 21 @23016 has 53 MA's), (Start: 24 @23040 has 1 MA's), (38, 23103), (46, 23145),

Gene: Che9d_32 Start: 24809, Stop: 24946, Start Num: 27
Candidate Starts for Che9d_32:
(Start: 27 @24809 has 17 MA's), (44, 24881),

Gene: Cheesepuff_30 Start: 26888, Stop: 27028, Start Num: 26
Candidate Starts for Cheesepuff_30:
(Start: 26 @26888 has 127 MA's), (44, 26963),

Gene: Chevrolet_28 Start: 25872, Stop: 26012, Start Num: 26
Candidate Starts for Chevrolet_28:
(Start: 26 @25872 has 127 MA's), (44, 25947),

Gene: Chewbacca_25 Start: 22166, Stop: 22348, Start Num: 19
Candidate Starts for Chewbacca_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: ChickenDinner_30 Start: 26467, Stop: 26634, Start Num: 22
Candidate Starts for ChickenDinner_30:
(Start: 22 @26467 has 92 MA's), (Start: 27 @26497 has 17 MA's), (44, 26569),

Gene: Chubbello_25 Start: 22878, Stop: 23048, Start Num: 21
Candidate Starts for Chubbello_25:
(Start: 19 @22866 has 7 MA's), (Start: 20 @22875 has 74 MA's), (Start: 21 @22878 has 53 MA's), (Start: 24 @22893 has 1 MA's),

Gene: Chuckly_28 Start: 26043, Stop: 26183, Start Num: 26
Candidate Starts for Chuckly_28:
(Start: 26 @26043 has 127 MA's), (44, 26118),

Gene: Clank_25 Start: 25080, Stop: 25220, Start Num: 26
Candidate Starts for Clank_25:
(Start: 26 @25080 has 127 MA's), (44, 25155),

Gene: Clifton_22 Start: 21987, Stop: 22163, Start Num: 20
Candidate Starts for Clifton_22:
(3, 21669), (6, 21771), (Start: 20 @21987 has 74 MA's), (37, 22074), (38, 22077), (42, 22089),

Gene: Coco12_27 Start: 25374, Stop: 25541, Start Num: 22
Candidate Starts for Coco12_27:
(Start: 22 @25374 has 92 MA's), (Start: 27 @25404 has 17 MA's), (44, 25476),

Gene: Corium_28 Start: 26064, Stop: 26216, Start Num: 22
Candidate Starts for Corium_28:
(Start: 22 @26064 has 92 MA's), (Start: 27 @26079 has 17 MA's), (44, 26151),

Gene: Cornie_28 Start: 26284, Stop: 26424, Start Num: 26
Candidate Starts for Cornie_28:

(Start: 26 @26284 has 127 MA's), (44, 26359),

Gene: Cornucopia_29 Start: 25927, Stop: 26079, Start Num: 22
Candidate Starts for Cornucopia_29:
(Start: 22 @25927 has 92 MA's), (Start: 27 @25942 has 17 MA's), (44, 26014),

Gene: Courthouse_42 Start: 35249, Stop: 35410, Start Num: 21
Candidate Starts for Courthouse_42:
(Start: 21 @35249 has 53 MA's), (38, 35324), (44, 35348), (46, 35366),

Gene: Crumble_22 Start: 22034, Stop: 22210, Start Num: 20
Candidate Starts for Crumble_22:
(3, 21716), (6, 21818), (Start: 20 @22034 has 74 MA's), (37, 22121), (38, 22124), (42, 22136),

Gene: Cubone_25 Start: 22191, Stop: 22370, Start Num: 20
Candidate Starts for Cubone_25:
(Start: 19 @22188 has 7 MA's), (Start: 20 @22191 has 74 MA's), (37, 22275), (38, 22278),

Gene: DLane_28 Start: 25876, Stop: 26028, Start Num: 22
Candidate Starts for DLane_28:
(Start: 22 @25876 has 92 MA's), (Start: 27 @25891 has 17 MA's), (44, 25963),

Gene: DRBy19_28 Start: 25915, Stop: 26049, Start Num: 26
Candidate Starts for DRBy19_28:
(Start: 26 @25915 has 127 MA's), (44, 25984),

Gene: DaWorst_30 Start: 26406, Stop: 26558, Start Num: 22
Candidate Starts for DaWorst_30:
(Start: 22 @26406 has 92 MA's), (Start: 27 @26421 has 17 MA's), (44, 26493),

Gene: DaddyRickover_28 Start: 26046, Stop: 26198, Start Num: 22
Candidate Starts for DaddyRickover_28:
(Start: 22 @26046 has 92 MA's), (Start: 27 @26061 has 17 MA's), (44, 26133),

Gene: Daenerys_28 Start: 25889, Stop: 26029, Start Num: 26
Candidate Starts for Daenerys_28:
(Start: 26 @25889 has 127 MA's), (44, 25964),

Gene: Dante_28 Start: 25935, Stop: 26069, Start Num: 26
Candidate Starts for Dante_28:
(Start: 26 @25935 has 127 MA's), (44, 26004),

Gene: DeadP_28 Start: 26058, Stop: 26225, Start Num: 22
Candidate Starts for DeadP_28:
(Start: 22 @26058 has 92 MA's), (Start: 27 @26088 has 17 MA's), (44, 26160),

Gene: Deb65_28 Start: 25873, Stop: 26025, Start Num: 22
Candidate Starts for Deb65_28:
(Start: 22 @25873 has 92 MA's), (Start: 27 @25888 has 17 MA's), (44, 25960),

Gene: Demsculpinboyz_32 Start: 24795, Stop: 24932, Start Num: 27
Candidate Starts for Demsculpinboyz_32:
(Start: 27 @24795 has 17 MA's), (44, 24867),

Gene: DillTech15_28 Start: 25893, Stop: 26060, Start Num: 22
Candidate Starts for DillTech15_28:
(Start: 22 @25893 has 92 MA's), (Start: 27 @25923 has 17 MA's), (44, 25995),

Gene: DirtMcgirt_29 Start: 25712, Stop: 25852, Start Num: 26
Candidate Starts for DirtMcgirt_29:
(Start: 26 @25712 has 127 MA's), (44, 25787),

Gene: DmpstrDiver_43 Start: 37897, Stop: 38058, Start Num: 21
Candidate Starts for DmpstrDiver_43:
(Start: 21 @37897 has 53 MA's), (38, 37972), (44, 37996), (46, 38014),

Gene: DoRead_28 Start: 25871, Stop: 26023, Start Num: 22
Candidate Starts for DoRead_28:
(Start: 22 @25871 has 92 MA's), (Start: 27 @25886 has 17 MA's), (44, 25958),

Gene: DocMcStuffins_30 Start: 26467, Stop: 26634, Start Num: 22
Candidate Starts for DocMcStuffins_30:
(Start: 22 @26467 has 92 MA's), (Start: 27 @26497 has 17 MA's), (44, 26569),

Gene: Donkeykong_28 Start: 26059, Stop: 26199, Start Num: 26
Candidate Starts for Donkeykong_28:
(Start: 26 @26059 has 127 MA's), (44, 26134),

Gene: Donovan_25 Start: 22868, Stop: 23038, Start Num: 21
Candidate Starts for Donovan_25:
(Start: 19 @22856 has 7 MA's), (Start: 20 @22865 has 74 MA's), (Start: 21 @22868 has 53 MA's),
(Start: 24 @22883 has 1 MA's),

Gene: Doomphist_28 Start: 25998, Stop: 26138, Start Num: 26
Candidate Starts for Doomphist_28:
(Start: 26 @25998 has 127 MA's), (44, 26073),

Gene: Doomslug_31 Start: 25732, Stop: 25899, Start Num: 22
Candidate Starts for Doomslug_31:
(Start: 22 @25732 has 92 MA's), (Start: 27 @25762 has 17 MA's), (44, 25834),

Gene: Dorothy_28 Start: 25831, Stop: 25983, Start Num: 22
Candidate Starts for Dorothy_28:
(Start: 22 @25831 has 92 MA's), (Start: 27 @25846 has 17 MA's), (44, 25918),

Gene: DosHalletts_29 Start: 25988, Stop: 26140, Start Num: 22
Candidate Starts for DosHalletts_29:
(Start: 22 @25988 has 92 MA's), (Start: 27 @26003 has 17 MA's), (44, 26075),

Gene: DotProduct_28 Start: 25865, Stop: 26005, Start Num: 26
Candidate Starts for DotProduct_28:
(Start: 26 @25865 has 127 MA's), (44, 25940),

Gene: Doug_29 Start: 26423, Stop: 26575, Start Num: 22
Candidate Starts for Doug_29:
(Start: 22 @26423 has 92 MA's), (Start: 27 @26438 has 17 MA's), (44, 26510),

Gene: Drago_29 Start: 25698, Stop: 25838, Start Num: 26
Candidate Starts for Drago_29:
(Start: 26 @25698 has 127 MA's), (44, 25773),

Gene: Duplicity_25 Start: 22169, Stop: 22348, Start Num: 20
Candidate Starts for Duplicity_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Dynamo_25 Start: 23268, Stop: 23438, Start Num: 21
Candidate Starts for Dynamo_25:
(4, 22953), (Start: 20 @23265 has 74 MA's), (Start: 21 @23268 has 53 MA's), (Start: 24 @23283 has 1 MA's), (40, 23355),

Gene: EGUnicorn_25 Start: 22166, Stop: 22348, Start Num: 19
Candidate Starts for EGUnicorn_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Eish_28 Start: 26011, Stop: 26163, Start Num: 22
Candidate Starts for Eish_28:
(Start: 22 @26011 has 92 MA's), (Start: 27 @26026 has 17 MA's), (44, 26098),

Gene: EleanorGeorge_28 Start: 26166, Stop: 26333, Start Num: 22
Candidate Starts for EleanorGeorge_28:
(Start: 22 @26166 has 92 MA's), (Start: 27 @26196 has 17 MA's), (44, 26268),

Gene: EmiMonkey_28 Start: 25960, Stop: 26097, Start Num: 26
Candidate Starts for EmiMonkey_28:
(Start: 26 @25960 has 127 MA's), (45, 26041),

Gene: Emma_30 Start: 26455, Stop: 26598, Start Num: 23
Candidate Starts for Emma_30:
(17, 26395), (Start: 23 @26455 has 2 MA's), (44, 26533),

Gene: Emmaloid_29 Start: 25807, Stop: 25944, Start Num: 26
Candidate Starts for Emmaloid_29:
(Start: 26 @25807 has 127 MA's), (45, 25888),

Gene: Empress_29 Start: 27231, Stop: 27365, Start Num: 26
Candidate Starts for Empress_29:
(Start: 26 @27231 has 127 MA's), (44, 27300),

Gene: Enby_29 Start: 25696, Stop: 25863, Start Num: 22
Candidate Starts for Enby_29:
(Start: 22 @25696 has 92 MA's), (Start: 27 @25726 has 17 MA's), (44, 25798),

Gene: Enzomatic_32 Start: 26049, Stop: 26201, Start Num: 22
Candidate Starts for Enzomatic_32:
(Start: 22 @26049 has 92 MA's), (Start: 27 @26064 has 17 MA's), (44, 26136),

Gene: Eradicator_28 Start: 25919, Stop: 26059, Start Num: 26
Candidate Starts for Eradicator_28:
(Start: 26 @25919 has 127 MA's), (44, 25994),

Gene: Estave1_26 Start: 25327, Stop: 25467, Start Num: 26
Candidate Starts for Estave1_26:
(Start: 26 @25327 has 127 MA's), (44, 25402),

Gene: Etoile_25 Start: 22879, Stop: 23049, Start Num: 21
Candidate Starts for Etoile_25:
(Start: 19 @22867 has 7 MA's), (Start: 20 @22876 has 74 MA's), (Start: 21 @22879 has 53 MA's), (Start: 24 @22894 has 1 MA's),

Gene: Fancypants_28 Start: 25879, Stop: 26031, Start Num: 22
Candidate Starts for Fancypants_28:
(Start: 22 @25879 has 92 MA's), (Start: 27 @25894 has 17 MA's), (44, 25966),

Gene: Farewell_24 Start: 23918, Stop: 24067, Start Num: 24
Candidate Starts for Farewell_24:
(Start: 24 @23918 has 1 MA's), (38, 23981), (46, 24023),

Gene: Fastidio_30 Start: 26198, Stop: 26341, Start Num: 23
Candidate Starts for Fastidio_30:
(17, 26138), (Start: 23 @26198 has 2 MA's), (30, 26213), (32, 26222), (44, 26276),

Gene: Filuzino_28 Start: 25868, Stop: 26020, Start Num: 22
Candidate Starts for Filuzino_28:
(Start: 22 @25868 has 92 MA's), (Start: 27 @25883 has 17 MA's), (44, 25955),

Gene: Firehouse51_29 Start: 26590, Stop: 26742, Start Num: 22
Candidate Starts for Firehouse51_29:
(Start: 22 @26590 has 92 MA's), (Start: 27 @26605 has 17 MA's), (44, 26677),

Gene: FirstPlacePfu_25 Start: 22879, Stop: 23049, Start Num: 21
Candidate Starts for FirstPlacePfu_25:
(Start: 19 @22867 has 7 MA's), (Start: 20 @22876 has 74 MA's), (Start: 21 @22879 has 53 MA's), (Start: 24 @22894 has 1 MA's),

Gene: Fishburne_25 Start: 22879, Stop: 23049, Start Num: 21
Candidate Starts for Fishburne_25:
(Start: 19 @22867 has 7 MA's), (Start: 20 @22876 has 74 MA's), (Start: 21 @22879 has 53 MA's), (Start: 24 @22894 has 1 MA's),

Gene: Flathead_28 Start: 25891, Stop: 26058, Start Num: 22
Candidate Starts for Flathead_28:
(Start: 22 @25891 has 92 MA's), (Start: 27 @25921 has 17 MA's), (44, 25993),

Gene: Florinda_28 Start: 25889, Stop: 26032, Start Num: 22
Candidate Starts for Florinda_28:
(Start: 22 @25889 has 92 MA's), (Start: 27 @25895 has 17 MA's), (44, 25967),

Gene: Frankie_31 Start: 26420, Stop: 26554, Start Num: 27
Candidate Starts for Frankie_31:
(8, 26195), (11, 26252), (13, 26270), (Start: 27 @26420 has 17 MA's), (35, 26453), (41, 26474), (42, 26477), (43, 26480), (44, 26489),

Gene: FreddyB_28 Start: 26082, Stop: 26216, Start Num: 26
Candidate Starts for FreddyB_28:
(Start: 26 @26082 has 127 MA's), (44, 26151),

Gene: Fruitloop_27 Start: 26062, Stop: 26214, Start Num: 22
Candidate Starts for Fruitloop_27:
(Start: 22 @26062 has 92 MA's), (Start: 27 @26077 has 17 MA's), (44, 26149),

Gene: Fulbright_24 Start: 21973, Stop: 22146, Start Num: 20
Candidate Starts for Fulbright_24:
(3, 21655), (6, 21757), (Start: 20 @21973 has 74 MA's), (37, 22057), (38, 22060), (42, 22072),

Gene: GUmbie_28 Start: 25894, Stop: 26034, Start Num: 26
Candidate Starts for GUmbie_28:
(Start: 26 @25894 has 127 MA's), (44, 25969),

Gene: Galactic_28 Start: 25877, Stop: 26014, Start Num: 27
Candidate Starts for Galactic_28:
(Start: 27 @25877 has 17 MA's), (44, 25949),

Gene: GaloreK_25 Start: 22875, Stop: 23045, Start Num: 21
Candidate Starts for GaloreK_25:
(Start: 20 @22872 has 74 MA's), (Start: 21 @22875 has 53 MA's), (Start: 24 @22890 has 1 MA's), (38, 22959), (41, 22968),

Gene: Gandalph_28 Start: 25972, Stop: 26124, Start Num: 22
Candidate Starts for Gandalph_28:
(Start: 22 @25972 has 92 MA's), (Start: 27 @25987 has 17 MA's), (44, 26059),

Gene: Gavriela_25 Start: 23144, Stop: 23314, Start Num: 21
Candidate Starts for Gavriela_25:
(Start: 20 @23141 has 74 MA's), (Start: 21 @23144 has 53 MA's), (Start: 24 @23159 has 1 MA's),

Gene: Geralt_28 Start: 25872, Stop: 26024, Start Num: 22
Candidate Starts for Geralt_28:
(Start: 22 @25872 has 92 MA's), (Start: 27 @25887 has 17 MA's), (44, 25959),

Gene: Gex_25 Start: 22165, Stop: 22344, Start Num: 20
Candidate Starts for Gex_25:
(Start: 19 @22162 has 7 MA's), (Start: 20 @22165 has 74 MA's), (37, 22249), (38, 22252),

Gene: GigiOuiOui_28 Start: 26018, Stop: 26158, Start Num: 26
Candidate Starts for GigiOuiOui_28:
(Start: 26 @26018 has 127 MA's), (44, 26093),

Gene: Girafales_29 Start: 25697, Stop: 25840, Start Num: 22
Candidate Starts for Girafales_29:
(Start: 22 @25697 has 92 MA's), (Start: 27 @25703 has 17 MA's), (44, 25775),

Gene: Girr_28 Start: 25857, Stop: 25991, Start Num: 26
Candidate Starts for Girr_28:
(Start: 26 @25857 has 127 MA's), (44, 25926),

Gene: Glaske_25 Start: 23141, Stop: 23314, Start Num: 20
Candidate Starts for Glaske_25:
(Start: 20 @23141 has 74 MA's), (Start: 21 @23144 has 53 MA's), (Start: 24 @23159 has 1 MA's),

Gene: Gonephishing_43 Start: 36458, Stop: 36619, Start Num: 21
Candidate Starts for Gonephishing_43:
(Start: 21 @36458 has 53 MA's), (46, 36575),

Gene: Gorge_28 Start: 26049, Stop: 26183, Start Num: 26
Candidate Starts for Gorge_28:
(Start: 26 @26049 has 127 MA's), (44, 26118),

Gene: GreaseLightnin_25 Start: 23125, Stop: 23301, Start Num: 20
Candidate Starts for GreaseLightnin_25:
(1, 22621), (6, 22909), (Start: 20 @23125 has 74 MA's), (38, 23215),

Gene: Grimmer_30 Start: 26613, Stop: 26753, Start Num: 26
Candidate Starts for Grimmer_30:
(Start: 26 @26613 has 127 MA's), (44, 26688),

Gene: Guppsters_29 Start: 26159, Stop: 26299, Start Num: 26
Candidate Starts for Guppsters_29:
(Start: 26 @26159 has 127 MA's), (44, 26234),

Gene: HC_25 Start: 22949, Stop: 23119, Start Num: 21
Candidate Starts for HC_25:
(Start: 19 @22937 has 7 MA's), (Start: 20 @22946 has 74 MA's), (Start: 21 @22949 has 53 MA's),
(Start: 24 @22964 has 1 MA's), (38, 23033),

Gene: HUHilltop_25 Start: 22879, Stop: 23049, Start Num: 21
Candidate Starts for HUHilltop_25:
(Start: 19 @22867 has 7 MA's), (Start: 20 @22876 has 74 MA's), (Start: 21 @22879 has 53 MA's),
(Start: 24 @22894 has 1 MA's), (38, 22963), (41, 22972),

Gene: Hades_28 Start: 25964, Stop: 26116, Start Num: 22
Candidate Starts for Hades_28:
(Start: 22 @25964 has 92 MA's), (Start: 27 @25979 has 17 MA's), (44, 26051),

Gene: Hamulus_28 Start: 26041, Stop: 26181, Start Num: 26
Candidate Starts for Hamulus_28:
(Start: 26 @26041 has 127 MA's), (44, 26116),

Gene: Hanako_24 Start: 21647, Stop: 21823, Start Num: 20
Candidate Starts for Hanako_24:
(3, 21329), (6, 21431), (Start: 20 @21647 has 74 MA's), (38, 21737), (44, 21761), (46, 21779),

Gene: Hannaconda_39 Start: 33830, Stop: 33991, Start Num: 21
Candidate Starts for Hannaconda_39:
(Start: 21 @33830 has 53 MA's), (38, 33905), (44, 33929), (46, 33947),

Gene: Harley_28 Start: 25828, Stop: 25968, Start Num: 26
Candidate Starts for Harley_28:
(Start: 26 @25828 has 127 MA's), (44, 25903),

Gene: Hegedechwinu_29 Start: 25873, Stop: 26040, Start Num: 22
Candidate Starts for Hegedechwinu_29:
(Start: 22 @25873 has 92 MA's), (Start: 27 @25903 has 17 MA's), (44, 25975),

Gene: Hlubikazi_28 Start: 26131, Stop: 26283, Start Num: 22
Candidate Starts for Hlubikazi_28:
(Start: 22 @26131 has 92 MA's), (Start: 27 @26146 has 17 MA's), (44, 26218),

Gene: IMpilo_27 Start: 25655, Stop: 25807, Start Num: 22
Candidate Starts for IMpilo_27:
(Start: 22 @25655 has 92 MA's), (Start: 27 @25670 has 17 MA's), (44, 25742),

Gene: IbOuu_29 Start: 25887, Stop: 26039, Start Num: 22
Candidate Starts for IbOuu_29:
(Start: 22 @25887 has 92 MA's), (Start: 27 @25902 has 17 MA's), (44, 25974),

Gene: Ibhubesi_28 Start: 25835, Stop: 25975, Start Num: 26
Candidate Starts for Ibhubesi_28:
(Start: 26 @25835 has 127 MA's), (44, 25910),

Gene: IdentityCrisis_24 Start: 20626, Stop: 20802, Start Num: 20
Candidate Starts for IdentityCrisis_24:
(Start: 20 @20626 has 74 MA's), (31, 20686), (37, 20713), (38, 20716), (46, 20758), (47, 20761),

Gene: Impisi_25 Start: 21790, Stop: 21960, Start Num: 21
Candidate Starts for Impisi_25:
(Start: 20 @21787 has 74 MA's), (Start: 21 @21790 has 53 MA's), (Start: 24 @21805 has 1 MA's), (38, 21874), (41, 21883),

Gene: Inventum_28 Start: 26013, Stop: 26147, Start Num: 26
Candidate Starts for Inventum_28:
(Start: 26 @26013 has 127 MA's), (44, 26082),

Gene: IrishSherpFalk_29 Start: 27208, Stop: 27375, Start Num: 22
Candidate Starts for IrishSherpFalk_29:
(Start: 22 @27208 has 92 MA's), (Start: 27 @27238 has 17 MA's), (44, 27310),

Gene: Island3_28 Start: 25093, Stop: 25227, Start Num: 27
Candidate Starts for Island3_28:
(Start: 27 @25093 has 17 MA's), (34, 25126), (38, 25141), (39, 25144),

Gene: Jabbawokkie_35 Start: 26242, Stop: 26379, Start Num: 27
Candidate Starts for Jabbawokkie_35:
(12, 26086), (Start: 27 @26242 has 17 MA's), (44, 26314),

Gene: JalFarm20_30 Start: 26395, Stop: 26562, Start Num: 22
Candidate Starts for JalFarm20_30:
(Start: 22 @26395 has 92 MA's), (Start: 27 @26425 has 17 MA's), (44, 26497),

Gene: James_28 Start: 26045, Stop: 26179, Start Num: 26
Candidate Starts for James_28:
(Start: 26 @26045 has 127 MA's), (44, 26114),

Gene: Jamie19_24 Start: 21647, Stop: 21823, Start Num: 20
Candidate Starts for Jamie19_24:
(6, 21431), (Start: 20 @21647 has 74 MA's), (38, 21737), (44, 21761), (46, 21779),

Gene: Jant_29 Start: 26025, Stop: 26192, Start Num: 22
Candidate Starts for Jant_29:
(Start: 22 @26025 has 92 MA's), (Start: 27 @26055 has 17 MA's), (44, 26127),

Gene: Jarcob_28 Start: 26080, Stop: 26214, Start Num: 26
Candidate Starts for Jarcob_28:
(Start: 26 @26080 has 127 MA's), (44, 26149),

Gene: Jebeks_25 Start: 22864, Stop: 23034, Start Num: 21
Candidate Starts for Jebeks_25:
(Start: 19 @22852 has 7 MA's), (Start: 20 @22861 has 74 MA's), (Start: 21 @22864 has 53 MA's),
(Start: 24 @22879 has 1 MA's),

Gene: Jennelsea_22 Start: 21987, Stop: 22163, Start Num: 20
Candidate Starts for Jennelsea_22:
(3, 21669), (6, 21771), (Start: 20 @21987 has 74 MA's), (37, 22074), (38, 22077), (42, 22089),

Gene: Jinglebell_27 Start: 26098, Stop: 26238, Start Num: 26
Candidate Starts for Jinglebell_27:
(Start: 26 @26098 has 127 MA's), (44, 26173),

Gene: Job42_31 Start: 27602, Stop: 27754, Start Num: 22
Candidate Starts for Job42_31:
(Start: 22 @27602 has 92 MA's), (Start: 27 @27617 has 17 MA's), (44, 27689),

Gene: JoeyJr_28 Start: 26057, Stop: 26197, Start Num: 26
Candidate Starts for JoeyJr_28:
(Start: 26 @26057 has 127 MA's), (44, 26132),

Gene: Journey_25 Start: 22169, Stop: 22348, Start Num: 20
Candidate Starts for Journey_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Juice456_29 Start: 27144, Stop: 27311, Start Num: 22
Candidate Starts for Juice456_29:
(Start: 22 @27144 has 92 MA's), (Start: 27 @27174 has 17 MA's), (44, 27246),

Gene: Juniormint_25 Start: 22923, Stop: 23093, Start Num: 21
Candidate Starts for Juniormint_25:
(Start: 19 @22911 has 7 MA's), (Start: 20 @22920 has 74 MA's), (Start: 21 @22923 has 53 MA's),
(Start: 24 @22938 has 1 MA's),

Gene: Juniper1_28 Start: 25857, Stop: 25997, Start Num: 26
Candidate Starts for Juniper1_28:
(Start: 26 @25857 has 127 MA's), (44, 25932),

Gene: Karhdo_28 Start: 26020, Stop: 26160, Start Num: 26
Candidate Starts for Karhdo_28:

(Start: 26 @26020 has 127 MA's), (44, 26095),

Gene: Kari_25 Start: 22879, Stop: 23046, Start Num: 21
Candidate Starts for Kari_25:
(Start: 20 @22876 has 74 MA's), (Start: 21 @22879 has 53 MA's), (Start: 24 @22894 has 1 MA's), (38, 22960), (39, 22963), (41, 22969),

Gene: KashFlow_36 Start: 33451, Stop: 33612, Start Num: 21
Candidate Starts for KashFlow_36:
(Start: 21 @33451 has 53 MA's), (38, 33526), (44, 33550), (46, 33568),

Gene: Kenuha5_25 Start: 25038, Stop: 25178, Start Num: 26
Candidate Starts for Kenuha5_25:
(Start: 26 @25038 has 127 MA's), (44, 25113),

Gene: Kevin1_25 Start: 21582, Stop: 21752, Start Num: 21
Candidate Starts for Kevin1_25:
(5, 21339), (Start: 20 @21579 has 74 MA's), (Start: 21 @21582 has 53 MA's), (Start: 24 @21597 has 1 MA's), (40, 21669),

Gene: KilKor_25 Start: 23141, Stop: 23314, Start Num: 20
Candidate Starts for KilKor_25:
(Start: 20 @23141 has 74 MA's), (Start: 21 @23144 has 53 MA's), (Start: 24 @23159 has 1 MA's),

Gene: Kimberlium_30 Start: 27010, Stop: 27150, Start Num: 26
Candidate Starts for Kimberlium_30:
(Start: 26 @27010 has 127 MA's), (44, 27085),

Gene: KingJulian_28 Start: 26064, Stop: 26216, Start Num: 22
Candidate Starts for KingJulian_28:
(Start: 22 @26064 has 92 MA's), (Start: 27 @26079 has 17 MA's), (44, 26151),

Gene: KingMidas_29 Start: 27185, Stop: 27325, Start Num: 26
Candidate Starts for KingMidas_29:
(Start: 26 @27185 has 127 MA's), (44, 27260),

Gene: Kingsley_26 Start: 24838, Stop: 25005, Start Num: 22
Candidate Starts for Kingsley_26:
(Start: 22 @24838 has 92 MA's), (Start: 27 @24868 has 17 MA's), (44, 24940),

Gene: Koella_22 Start: 21999, Stop: 22175, Start Num: 20
Candidate Starts for Koella_22:
(3, 21681), (6, 21783), (Start: 20 @21999 has 74 MA's), (37, 22086), (38, 22089), (42, 22101),

Gene: Krakatau_29 Start: 26546, Stop: 26698, Start Num: 22
Candidate Starts for Krakatau_29:
(Start: 22 @26546 has 92 MA's), (Start: 27 @26561 has 17 MA's), (44, 26633),

Gene: KristaRAM_29 Start: 26704, Stop: 26871, Start Num: 22
Candidate Starts for KristaRAM_29:
(Start: 22 @26704 has 92 MA's), (Start: 27 @26734 has 17 MA's), (44, 26806),

Gene: Ksquared_25 Start: 22901, Stop: 23071, Start Num: 21

Candidate Starts for Ksquared_25:
(Start: 19 @22889 has 7 MA's), (Start: 20 @22898 has 74 MA's), (Start: 21 @22901 has 53 MA's), (Start: 24 @22916 has 1 MA's),

Gene: Langerak_25 Start: 22863, Stop: 23033, Start Num: 21
Candidate Starts for Langerak_25:
(Start: 19 @22851 has 7 MA's), (Start: 20 @22860 has 74 MA's), (Start: 21 @22863 has 53 MA's), (Start: 24 @22878 has 1 MA's), (38, 22947), (41, 22956),

Gene: LastJedi_22 Start: 22030, Stop: 22206, Start Num: 20
Candidate Starts for LastJedi_22:
(3, 21712), (6, 21814), (Start: 20 @22030 has 74 MA's), (37, 22117), (38, 22120), (42, 22132),

Gene: Latretium_29 Start: 26693, Stop: 26830, Start Num: 28
Candidate Starts for Latretium_29:
(16, 26597), (Start: 28 @26693 has 2 MA's), (44, 26762), (48, 26795),

Gene: Leozinho_29 Start: 25731, Stop: 25883, Start Num: 22
Candidate Starts for Leozinho_29:
(Start: 22 @25731 has 92 MA's), (Start: 27 @25746 has 17 MA's), (44, 25818),

Gene: Leperchaun_28 Start: 25946, Stop: 26086, Start Num: 26
Candidate Starts for Leperchaun_28:
(Start: 26 @25946 has 127 MA's), (44, 26021),

Gene: LilMoolah_28 Start: 26164, Stop: 26304, Start Num: 26
Candidate Starts for LilMoolah_28:
(Start: 26 @26164 has 127 MA's), (44, 26239),

Gene: LilSpotty_28 Start: 23137, Stop: 23316, Start Num: 20
Candidate Starts for LilSpotty_28:
(Start: 19 @23134 has 7 MA's), (Start: 20 @23137 has 74 MA's), (37, 23221), (38, 23224),

Gene: LittleE_48 Start: 39362, Stop: 39508, Start Num: 21
Candidate Starts for LittleE_48:
(Start: 21 @39362 has 53 MA's), (38, 39422), (44, 39446), (46, 39464),

Gene: LittleShirley_29 Start: 25827, Stop: 25964, Start Num: 26
Candidate Starts for LittleShirley_29:
(Start: 26 @25827 has 127 MA's), (45, 25908),

Gene: Lizziana_28 Start: 26039, Stop: 26179, Start Num: 26
Candidate Starts for Lizziana_28:
(Start: 26 @26039 has 127 MA's), (44, 26114),

Gene: Llama_28 Start: 26097, Stop: 26237, Start Num: 26
Candidate Starts for Llama_28:
(Start: 26 @26097 has 127 MA's), (44, 26172),

Gene: Llij_28 Start: 25862, Stop: 26002, Start Num: 26
Candidate Starts for Llij_28:
(Start: 26 @25862 has 127 MA's), (44, 25937),

Gene: Lorde_29 Start: 25698, Stop: 25838, Start Num: 26
Candidate Starts for Lorde_29:
(Start: 26 @25698 has 127 MA's), (44, 25773),

Gene: Lucia_29 Start: 25982, Stop: 26134, Start Num: 22
Candidate Starts for Lucia_29:
(Start: 22 @25982 has 92 MA's), (Start: 27 @25997 has 17 MA's), (44, 26069),

Gene: Lucky2013_42 Start: 35376, Stop: 35537, Start Num: 21
Candidate Starts for Lucky2013_42:
(Start: 21 @35376 has 53 MA's), (38, 35451), (44, 35475), (46, 35493),

Gene: LunaBlu_29 Start: 26100, Stop: 26240, Start Num: 26
Candidate Starts for LunaBlu_29:
(Start: 26 @26100 has 127 MA's), (44, 26175),

Gene: LunaStella_29 Start: 26164, Stop: 26301, Start Num: 27
Candidate Starts for LunaStella_29:
(Start: 27 @26164 has 17 MA's), (44, 26236),

Gene: MadMen_25 Start: 25147, Stop: 25287, Start Num: 26
Candidate Starts for MadMen_25:
(Start: 26 @25147 has 127 MA's), (44, 25222),

Gene: Madiba_26 Start: 24800, Stop: 24940, Start Num: 26
Candidate Starts for Madiba_26:
(Start: 26 @24800 has 127 MA's), (44, 24875),

Gene: Magsby_25 Start: 22166, Stop: 22345, Start Num: 20
Candidate Starts for Magsby_25:
(Start: 19 @22163 has 7 MA's), (Start: 20 @22166 has 74 MA's), (37, 22250), (38, 22253),

Gene: Mahavrat_28 Start: 25850, Stop: 25990, Start Num: 26
Candidate Starts for Mahavrat_28:
(Start: 26 @25850 has 127 MA's), (44, 25925),

Gene: Majeke_25 Start: 22882, Stop: 23055, Start Num: 20
Candidate Starts for Majeke_25:
(Start: 19 @22873 has 7 MA's), (Start: 20 @22882 has 74 MA's), (Start: 21 @22885 has 53 MA's),
(Start: 24 @22900 has 1 MA's),

Gene: Malithi_25 Start: 22801, Stop: 22974, Start Num: 20
Candidate Starts for Malithi_25:
(Start: 19 @22792 has 7 MA's), (Start: 20 @22801 has 74 MA's), (Start: 21 @22804 has 53 MA's),
(Start: 24 @22819 has 1 MA's),

Gene: Mandlovu_28 Start: 26073, Stop: 26225, Start Num: 22
Candidate Starts for Mandlovu_28:
(Start: 22 @26073 has 92 MA's), (Start: 27 @26088 has 17 MA's), (44, 26160),

Gene: Mangethe_25 Start: 22882, Stop: 23055, Start Num: 20
Candidate Starts for Mangethe_25:

(Start: 19 @22873 has 7 MA's), (Start: 20 @22882 has 74 MA's), (Start: 21 @22885 has 53 MA's), (Start: 24 @22900 has 1 MA's),

Gene: Mantra_28 Start: 25987, Stop: 26127, Start Num: 26
Candidate Starts for Mantra_28:
(Start: 26 @25987 has 127 MA's), (44, 26062),

Gene: Maravista_28 Start: 25821, Stop: 25961, Start Num: 26
Candidate Starts for Maravista_28:
(Start: 26 @25821 has 127 MA's), (44, 25896),

Gene: Marker_29 Start: 25737, Stop: 25889, Start Num: 22
Candidate Starts for Marker_29:
(Start: 22 @25737 has 92 MA's), (Start: 27 @25752 has 17 MA's), (44, 25824),

Gene: Martik_28 Start: 26066, Stop: 26206, Start Num: 26
Candidate Starts for Martik_28:
(Start: 26 @26066 has 127 MA's), (44, 26141),

Gene: Mattes_28 Start: 26045, Stop: 26179, Start Num: 26
Candidate Starts for Mattes_28:
(Start: 26 @26045 has 127 MA's), (44, 26114),

Gene: Medindi_29 Start: 25884, Stop: 26036, Start Num: 22
Candidate Starts for Medindi_29:
(Start: 22 @25884 has 92 MA's), (Start: 27 @25899 has 17 MA's), (44, 25971),

Gene: Megiddo_25 Start: 23141, Stop: 23314, Start Num: 20
Candidate Starts for Megiddo_25:
(Start: 20 @23141 has 74 MA's), (Start: 21 @23144 has 53 MA's), (Start: 24 @23159 has 1 MA's),

Gene: Melissauren88_28 Start: 26058, Stop: 26210, Start Num: 22
Candidate Starts for Melissauren88_28:
(Start: 22 @26058 has 92 MA's), (Start: 27 @26073 has 17 MA's), (44, 26145),

Gene: Melville_25 Start: 22169, Stop: 22348, Start Num: 20
Candidate Starts for Melville_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: MiaZeal_42 Start: 35060, Stop: 35221, Start Num: 21
Candidate Starts for MiaZeal_42:
(Start: 21 @35060 has 53 MA's), (38, 35135), (44, 35159), (46, 35177),

Gene: MichelleMyBell_25 Start: 21653, Stop: 21820, Start Num: 21
Candidate Starts for MichelleMyBell_25:
(2, 21323), (Start: 20 @21650 has 74 MA's), (Start: 21 @21653 has 53 MA's), (38, 21734),

Gene: MilanaBonita_22 Start: 21918, Stop: 22094, Start Num: 20
Candidate Starts for MilanaBonita_22:
(Start: 20 @21918 has 74 MA's), (41, 22017), (46, 22050),

Gene: MilleniumForce_29 Start: 26835, Stop: 27002, Start Num: 22
Candidate Starts for MilleniumForce_29:

(Start: 22 @26835 has 92 MA's), (Start: 27 @26865 has 17 MA's), (44, 26937),

Gene: MinionDave_29 Start: 26258, Stop: 26398, Start Num: 26
Candidate Starts for MinionDave_29:
(Start: 26 @26258 has 127 MA's), (44, 26333),

Gene: Minnie_29 Start: 26603, Stop: 26740, Start Num: 27
Candidate Starts for Minnie_29:
(Start: 22 @26573 has 92 MA's), (Start: 27 @26603 has 17 MA's), (44, 26675),

Gene: Misha28_29 Start: 25746, Stop: 25898, Start Num: 22
Candidate Starts for Misha28_29:
(Start: 22 @25746 has 92 MA's), (Start: 27 @25761 has 17 MA's), (44, 25833),

Gene: MisterCuddles_28 Start: 25857, Stop: 25991, Start Num: 26
Candidate Starts for MisterCuddles_28:
(Start: 26 @25857 has 127 MA's), (44, 25926),

Gene: Modragons_28 Start: 25942, Stop: 26082, Start Num: 26
Candidate Starts for Modragons_28:
(Start: 26 @25942 has 127 MA's), (44, 26017),

Gene: MooMoo_26 Start: 24806, Stop: 24943, Start Num: 28
Candidate Starts for MooMoo_26:
(Start: 28 @24806 has 2 MA's), (33, 24830), (44, 24875), (48, 24908),

Gene: Moonbeam_29 Start: 26528, Stop: 26695, Start Num: 22
Candidate Starts for Moonbeam_29:
(Start: 22 @26528 has 92 MA's), (Start: 27 @26558 has 17 MA's), (44, 26630),

Gene: Mova_29 Start: 25725, Stop: 25892, Start Num: 22
Candidate Starts for Mova_29:
(Start: 22 @25725 has 92 MA's), (Start: 27 @25755 has 17 MA's), (44, 25827),

Gene: Mozy_29 Start: 25935, Stop: 26087, Start Num: 22
Candidate Starts for Mozy_29:
(Start: 22 @25935 has 92 MA's), (Start: 27 @25950 has 17 MA's), (44, 26022),

Gene: Ms6_22 Start: 21500, Stop: 21676, Start Num: 20
Candidate Starts for Ms6_22:
(6, 21284), (Start: 20 @21500 has 74 MA's), (46, 21632),

Gene: MulchExplorer_30 Start: 27010, Stop: 27150, Start Num: 26
Candidate Starts for MulchExplorer_30:
(Start: 26 @27010 has 127 MA's), (44, 27085),

Gene: MulchSalad_23 Start: 21938, Stop: 22111, Start Num: 20
Candidate Starts for MulchSalad_23:
(Start: 19 @21935 has 7 MA's), (Start: 20 @21938 has 74 MA's), (38, 22025),

Gene: Mutaforma13_28 Start: 26073, Stop: 26213, Start Num: 26
Candidate Starts for Mutaforma13_28:
(Start: 26 @26073 has 127 MA's), (44, 26148),

Gene: Mwanjiwa_28 Start: 25986, Stop: 26153, Start Num: 22
Candidate Starts for Mwanjiwa_28:
(Start: 22 @25986 has 92 MA's), (Start: 27 @26016 has 17 MA's), (44, 26088),

Gene: Nazo_25 Start: 23510, Stop: 23686, Start Num: 21
Candidate Starts for Nazo_25:
(Start: 20 @23507 has 74 MA's), (Start: 21 @23510 has 53 MA's), (Start: 23 @23531 has 2 MA's), (Start: 24 @23534 has 1 MA's), (Start: 27 @23555 has 17 MA's), (35, 23588), (38, 23600),

Gene: Necropolis_25 Start: 22876, Stop: 23049, Start Num: 20
Candidate Starts for Necropolis_25:
(Start: 19 @22867 has 7 MA's), (Start: 20 @22876 has 74 MA's), (Start: 21 @22879 has 53 MA's), (Start: 24 @22894 has 1 MA's),

Gene: Nenae_24 Start: 21647, Stop: 21823, Start Num: 20
Candidate Starts for Nenae_24:
(3, 21329), (6, 21431), (Start: 20 @21647 has 74 MA's), (38, 21737), (44, 21761), (46, 21779),

Gene: NewHope4_30 Start: 26075, Stop: 26242, Start Num: 22
Candidate Starts for NewHope4_30:
(Start: 22 @26075 has 92 MA's), (Start: 27 @26105 has 17 MA's), (44, 26177),

Gene: Nibley_37 Start: 33891, Stop: 34052, Start Num: 21
Candidate Starts for Nibley_37:
(Start: 21 @33891 has 53 MA's), (38, 33966), (44, 33990), (46, 34008),

Gene: Nichirin_28 Start: 26045, Stop: 26185, Start Num: 26
Candidate Starts for Nichirin_28:
(Start: 26 @26045 has 127 MA's), (44, 26120),

Gene: Nimbo_28 Start: 25893, Stop: 26033, Start Num: 26
Candidate Starts for Nimbo_28:
(Start: 26 @25893 has 127 MA's), (44, 25968),

Gene: Nitzel_29 Start: 26607, Stop: 26747, Start Num: 26
Candidate Starts for Nitzel_29:
(Start: 26 @26607 has 127 MA's), (44, 26682),

Gene: Nivrat_28 Start: 26038, Stop: 26178, Start Num: 26
Candidate Starts for Nivrat_28:
(Start: 26 @26038 has 127 MA's), (44, 26113),

Gene: NormanBulbieJr_28 Start: 26053, Stop: 26193, Start Num: 26
Candidate Starts for NormanBulbieJr_28:
(Start: 26 @26053 has 127 MA's), (44, 26128),

Gene: Ochi17_26 Start: 25511, Stop: 25684, Start Num: 21
Candidate Starts for Ochi17_26:
(9, 25340), (10, 25343), (14, 25403), (15, 25427), (Start: 21 @25511 has 53 MA's), (46, 25640),

Gene: OfUltron_28 Start: 26098, Stop: 26238, Start Num: 26
Candidate Starts for OfUltron_28:

(Start: 26 @26098 has 127 MA's), (44, 26173),

Gene: Ogopogo_28 Start: 25248, Stop: 25388, Start Num: 26
Candidate Starts for Ogopogo_28:
(Start: 26 @25248 has 127 MA's), (44, 25323),

Gene: Okabe_24 Start: 22042, Stop: 22212, Start Num: 21
Candidate Starts for Okabe_24:
(Start: 20 @22039 has 74 MA's), (Start: 21 @22042 has 53 MA's), (Start: 24 @22057 has 1 MA's), (37, 22123),

Gene: Okabe_28 Start: 22936, Stop: 23076, Start Num: 26
Candidate Starts for Okabe_28:
(Start: 26 @22936 has 127 MA's), (44, 23011),

Gene: Oksu_29 Start: 25942, Stop: 26082, Start Num: 26
Candidate Starts for Oksu_29:
(Start: 26 @25942 has 127 MA's), (44, 26017),

Gene: OldBen_28 Start: 25852, Stop: 25986, Start Num: 26
Candidate Starts for OldBen_28:
(Start: 26 @25852 has 127 MA's), (44, 25921),

Gene: OlympiaSaint_28 Start: 26268, Stop: 26402, Start Num: 26
Candidate Starts for OlympiaSaint_28:
(Start: 26 @26268 has 127 MA's), (44, 26337),

Gene: Omega_47 Start: 39998, Stop: 40156, Start Num: 21
Candidate Starts for Omega_47:
(Start: 21 @39998 has 53 MA's), (46, 40112),

Gene: Optimus_46 Start: 39166, Stop: 39324, Start Num: 21
Candidate Starts for Optimus_46:
(Start: 21 @39166 has 53 MA's), (38, 39238), (42, 39250), (46, 39280),

Gene: Ovechkin_28 Start: 26030, Stop: 26197, Start Num: 22
Candidate Starts for Ovechkin_28:
(Start: 22 @26030 has 92 MA's), (Start: 27 @26060 has 17 MA's), (44, 26132),

Gene: OwlsT2W_29 Start: 26324, Stop: 26476, Start Num: 22
Candidate Starts for OwlsT2W_29:
(Start: 22 @26324 has 92 MA's), (Start: 27 @26339 has 17 MA's), (44, 26411),

Gene: PHappiness_28 Start: 25867, Stop: 26007, Start Num: 26
Candidate Starts for PHappiness_28:
(Start: 26 @25867 has 127 MA's), (44, 25942),

Gene: PMC_28 Start: 25862, Stop: 26002, Start Num: 26
Candidate Starts for PMC_28:
(Start: 26 @25862 has 127 MA's), (44, 25937),

Gene: Pacc40_28 Start: 26042, Stop: 26182, Start Num: 26
Candidate Starts for Pacc40_28:

(Start: 26 @26042 has 127 MA's), (44, 26117),

Gene: PaintedDog_27 Start: 24516, Stop: 24650, Start Num: 27
Candidate Starts for PaintedDog_27:
(25, 24498), (Start: 27 @24516 has 17 MA's), (34, 24549), (38, 24564),

Gene: Panchino_24 Start: 21760, Stop: 21927, Start Num: 20
Candidate Starts for Panchino_24:
(5, 21520), (Start: 20 @21760 has 74 MA's), (Start: 21 @21763 has 53 MA's), (Start: 24 @21778 has 1 MA's), (38, 21841), (46, 21883),

Gene: Parmesanjohn_25 Start: 22169, Stop: 22348, Start Num: 20
Candidate Starts for Parmesanjohn_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: PatoPoderoso_28 Start: 26064, Stop: 26216, Start Num: 22
Candidate Starts for PatoPoderoso_28:
(Start: 22 @26064 has 92 MA's), (Start: 27 @26079 has 17 MA's), (44, 26151),

Gene: PeanutPie_25 Start: 22886, Stop: 23056, Start Num: 21
Candidate Starts for PeanutPie_25:
(Start: 19 @22874 has 7 MA's), (Start: 20 @22883 has 74 MA's), (Start: 21 @22886 has 53 MA's), (Start: 24 @22901 has 1 MA's),

Gene: Peridot_29 Start: 25686, Stop: 25823, Start Num: 26
Candidate Starts for Peridot_29:
(Start: 26 @25686 has 127 MA's), (45, 25767),

Gene: Phalconet_28 Start: 25961, Stop: 26113, Start Num: 22
Candidate Starts for Phalconet_28:
(Start: 22 @25961 has 92 MA's), (Start: 27 @25976 has 17 MA's), (44, 26048),

Gene: Phalm_25 Start: 23141, Stop: 23314, Start Num: 20
Candidate Starts for Phalm_25:
(Start: 20 @23141 has 74 MA's), (Start: 21 @23144 has 53 MA's), (Start: 24 @23159 has 1 MA's),

Gene: PhancyPhin_24 Start: 21644, Stop: 21820, Start Num: 20
Candidate Starts for PhancyPhin_24:
(3, 21326), (6, 21428), (Start: 20 @21644 has 74 MA's), (38, 21734), (44, 21758), (46, 21776),

Gene: Phanphagia_25 Start: 25032, Stop: 25199, Start Num: 22
Candidate Starts for Phanphagia_25:
(Start: 22 @25032 has 92 MA's), (Start: 27 @25062 has 17 MA's), (44, 25134),

Gene: Phasih_29 Start: 26431, Stop: 26571, Start Num: 26
Candidate Starts for Phasih_29:
(Start: 26 @26431 has 127 MA's), (44, 26506),

Gene: Phatniss_29 Start: 26379, Stop: 26519, Start Num: 26
Candidate Starts for Phatniss_29:
(Start: 26 @26379 has 127 MA's), (44, 26454),

Gene: Phayonce_25 Start: 23436, Stop: 23615, Start Num: 21

Candidate Starts for Phayonce_25:
(2, 23106), (Start: 20 @23433 has 74 MA's), (Start: 21 @23436 has 53 MA's), (Start: 24 @23460 has 1 MA's), (29, 23487), (40, 23532),

Gene: Phegasus_25 Start: 22885, Stop: 23055, Start Num: 21
Candidate Starts for Phegasus_25:
(Start: 19 @22873 has 7 MA's), (Start: 20 @22882 has 74 MA's), (Start: 21 @22885 has 53 MA's), (Start: 24 @22900 has 1 MA's),

Gene: PhesterPhotato_28 Start: 25881, Stop: 26033, Start Num: 22
Candidate Starts for PhesterPhotato_28:
(Start: 22 @25881 has 92 MA's), (Start: 27 @25896 has 17 MA's), (44, 25968),

Gene: Philonius_25 Start: 22166, Stop: 22348, Start Num: 19
Candidate Starts for Philonius_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Philus_28 Start: 25891, Stop: 26025, Start Num: 26
Candidate Starts for Philus_28:
(Start: 26 @25891 has 127 MA's), (44, 25960),

Gene: Phineas_25 Start: 23247, Stop: 23420, Start Num: 20
Candidate Starts for Phineas_25:
(Start: 19 @23238 has 7 MA's), (Start: 20 @23247 has 74 MA's), (Start: 21 @23250 has 53 MA's), (Start: 24 @23265 has 1 MA's),

Gene: PhlipPhlop_28 Start: 25960, Stop: 26097, Start Num: 26
Candidate Starts for PhlipPhlop_28:
(Start: 26 @25960 has 127 MA's), (45, 26041),

Gene: Phloss_24 Start: 21976, Stop: 22149, Start Num: 20
Candidate Starts for Phloss_24:
(3, 21658), (6, 21760), (Start: 20 @21976 has 74 MA's), (37, 22060), (38, 22063), (42, 22075),

Gene: Phrann_24 Start: 22023, Stop: 22196, Start Num: 20
Candidate Starts for Phrann_24:
(Start: 20 @22023 has 74 MA's), (Start: 21 @22026 has 53 MA's), (Start: 24 @22041 has 1 MA's), (38, 22110), (39, 22113), (41, 22119),

Gene: Piper2020_30 Start: 26484, Stop: 26618, Start Num: 26
Candidate Starts for Piper2020_30:
(Start: 26 @26484 has 127 MA's), (44, 26553),

Gene: Pippy_22 Start: 22026, Stop: 22202, Start Num: 20
Candidate Starts for Pippy_22:
(3, 21708), (6, 21810), (Start: 20 @22026 has 74 MA's), (37, 22113), (38, 22116), (42, 22128),

Gene: Pipsqueaks_25 Start: 22166, Stop: 22348, Start Num: 19
Candidate Starts for Pipsqueaks_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Plumbus_29 Start: 25705, Stop: 25857, Start Num: 22
Candidate Starts for Plumbus_29:

(Start: 22 @25705 has 92 MA's), (Start: 27 @25720 has 17 MA's), (44, 25792),

Gene: Poenanya_28 Start: 25998, Stop: 26138, Start Num: 26
Candidate Starts for Poenanya_28:
(Start: 26 @25998 has 127 MA's), (44, 26073),

Gene: Polka14_29 Start: 26413, Stop: 26565, Start Num: 22
Candidate Starts for Polka14_29:
(Start: 22 @26413 has 92 MA's), (Start: 27 @26428 has 17 MA's), (44, 26500),

Gene: Polkaroo_25 Start: 22895, Stop: 23065, Start Num: 21
Candidate Starts for Polkaroo_25:
(Start: 19 @22883 has 7 MA's), (Start: 20 @22892 has 74 MA's), (Start: 21 @22895 has 53 MA's), (Start: 24 @22910 has 1 MA's),

Gene: Pollywog_28 Start: 26127, Stop: 26267, Start Num: 26
Candidate Starts for Pollywog_28:
(Start: 26 @26127 has 127 MA's), (44, 26202),

Gene: Polo2Bam_32 Start: 26049, Stop: 26201, Start Num: 22
Candidate Starts for Polo2Bam_32:
(Start: 22 @26049 has 92 MA's), (Start: 27 @26064 has 17 MA's), (44, 26136),

Gene: PopTart_28 Start: 26073, Stop: 26240, Start Num: 22
Candidate Starts for PopTart_28:
(Start: 22 @26073 has 92 MA's), (Start: 27 @26103 has 17 MA's), (44, 26175),

Gene: Porcelain_41 Start: 35060, Stop: 35221, Start Num: 21
Candidate Starts for Porcelain_41:
(Start: 21 @35060 has 53 MA's), (38, 35135), (44, 35159), (46, 35177),

Gene: Priscilla_28 Start: 26082, Stop: 26216, Start Num: 26
Candidate Starts for Priscilla_28:
(Start: 26 @26082 has 127 MA's), (44, 26151),

Gene: Purgamenstris_24 Start: 21647, Stop: 21823, Start Num: 20
Candidate Starts for Purgamenstris_24:
(3, 21329), (6, 21431), (Start: 20 @21647 has 74 MA's), (38, 21737), (44, 21761), (46, 21779),

Gene: Purky_25 Start: 23130, Stop: 23306, Start Num: 20
Candidate Starts for Purky_25:
(Start: 20 @23130 has 74 MA's), (Start: 21 @23133 has 53 MA's), (33, 23199), (37, 23217), (38, 23220), (42, 23232), (46, 23262),

Gene: Pygmy_27 Start: 24738, Stop: 24872, Start Num: 27
Candidate Starts for Pygmy_27:
(Start: 27 @24738 has 17 MA's), (34, 24771), (38, 24786), (39, 24789),

Gene: QueenHazel_24 Start: 23056, Stop: 23232, Start Num: 20
Candidate Starts for QueenHazel_24:
(6, 22840), (Start: 20 @23056 has 74 MA's), (37, 23143),

Gene: QuickMath_29 Start: 27234, Stop: 27374, Start Num: 26

Candidate Starts for QuickMath_29:
(Start: 26 @27234 has 127 MA's), (44, 27309),

Gene: Quico_29 Start: 25697, Stop: 25840, Start Num: 22
Candidate Starts for Quico_29:
(Start: 22 @25697 has 92 MA's), (Start: 27 @25703 has 17 MA's), (44, 25775),

Gene: Radiance_28 Start: 25990, Stop: 26124, Start Num: 26
Candidate Starts for Radiance_28:
(Start: 26 @25990 has 127 MA's), (44, 26059),

Gene: Ramsey_29 Start: 25906, Stop: 26058, Start Num: 22
Candidate Starts for Ramsey_29:
(Start: 22 @25906 has 92 MA's), (Start: 27 @25921 has 17 MA's), (44, 25993),

Gene: Raymond7_24 Start: 22039, Stop: 22206, Start Num: 21
Candidate Starts for Raymond7_24:
(2, 21709), (Start: 20 @22036 has 74 MA's), (Start: 21 @22039 has 53 MA's), (38, 22120),

Gene: Rebel_24 Start: 21448, Stop: 21612, Start Num: 21
Candidate Starts for Rebel_24:
(Start: 20 @21445 has 74 MA's), (Start: 21 @21448 has 53 MA's), (Start: 24 @21463 has 1 MA's), (38, 21526), (46, 21568),

Gene: RedBird_28 Start: 25808, Stop: 25948, Start Num: 26
Candidate Starts for RedBird_28:
(Start: 26 @25808 has 127 MA's), (44, 25883),

Gene: Redi_24 Start: 21647, Stop: 21823, Start Num: 20
Candidate Starts for Redi_24:
(3, 21329), (6, 21431), (Start: 20 @21647 has 74 MA's), (38, 21737), (44, 21761), (46, 21779),

Gene: Renaud18_28 Start: 26074, Stop: 26214, Start Num: 26
Candidate Starts for Renaud18_28:
(Start: 26 @26074 has 127 MA's), (44, 26149),

Gene: Rialto_30 Start: 26518, Stop: 26655, Start Num: 26
Candidate Starts for Rialto_30:
(Start: 26 @26518 has 127 MA's), (45, 26599),

Gene: Rita_28 Start: 25888, Stop: 26028, Start Num: 26
Candidate Starts for Rita_28:
(Start: 26 @25888 has 127 MA's), (44, 25963),

Gene: RitaG_28 Start: 26097, Stop: 26231, Start Num: 26
Candidate Starts for RitaG_28:
(Start: 26 @26097 has 127 MA's), (44, 26166),

Gene: Rockne_28 Start: 25862, Stop: 26002, Start Num: 26
Candidate Starts for Rockne_28:
(Start: 26 @25862 has 127 MA's), (44, 25937),

Gene: RockyHorror_29 Start: 25730, Stop: 25897, Start Num: 22

Candidate Starts for RockyHorror_29:
(Start: 22 @25730 has 92 MA's), (Start: 27 @25760 has 17 MA's), (44, 25832),

Gene: Royals2015_28 Start: 25953, Stop: 26120, Start Num: 22
Candidate Starts for Royals2015_28:
(Start: 22 @25953 has 92 MA's), (Start: 27 @25983 has 17 MA's), (44, 26055),

Gene: Rubeelu_25 Start: 21584, Stop: 21754, Start Num: 21
Candidate Starts for Rubeelu_25:
(5, 21341), (Start: 20 @21581 has 74 MA's), (Start: 21 @21584 has 53 MA's), (Start: 24 @21599 has 1 MA's), (40, 21671),

Gene: Ruby_28 Start: 25857, Stop: 25991, Start Num: 26
Candidate Starts for Ruby_28:
(Start: 26 @25857 has 127 MA's), (44, 25926),

Gene: SG4_28 Start: 26181, Stop: 26348, Start Num: 22
Candidate Starts for SG4_28:
(Start: 22 @26181 has 92 MA's), (Start: 27 @26211 has 17 MA's), (44, 26283),

Gene: Saal_28 Start: 25869, Stop: 26003, Start Num: 26
Candidate Starts for Saal_28:
(Start: 26 @25869 has 127 MA's), (44, 25938),

Gene: Sabbb_29 Start: 26215, Stop: 26349, Start Num: 26
Candidate Starts for Sabbb_29:
(Start: 26 @26215 has 127 MA's), (44, 26284),

Gene: Sandalphon_29 Start: 26600, Stop: 26734, Start Num: 26
Candidate Starts for Sandalphon_29:
(Start: 26 @26600 has 127 MA's), (44, 26669),

Gene: Sarma624_23 Start: 21863, Stop: 22039, Start Num: 20
Candidate Starts for Sarma624_23:
(6, 21647), (Start: 20 @21863 has 74 MA's), (38, 21953), (42, 21965), (46, 21995),

Gene: Sassafras_28 Start: 26013, Stop: 26147, Start Num: 26
Candidate Starts for Sassafras_28:
(Start: 26 @26013 has 127 MA's), (44, 26082),

Gene: SassyB_28 Start: 26073, Stop: 26240, Start Num: 22
Candidate Starts for SassyB_28:
(Start: 22 @26073 has 92 MA's), (Start: 27 @26103 has 17 MA's), (44, 26175),

Gene: Sbash_24 Start: 23052, Stop: 23234, Start Num: 20
Candidate Starts for Sbash_24:
(2, 22725), (Start: 20 @23052 has 74 MA's), (Start: 21 @23055 has 53 MA's), (Start: 24 @23079 has 1 MA's), (38, 23145), (45, 23175),

Gene: Schnauzer_25 Start: 22166, Stop: 22348, Start Num: 19
Candidate Starts for Schnauzer_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Scitech_24 Start: 21768, Stop: 21941, Start Num: 20
Candidate Starts for Scitech_24:
(Start: 20 @21768 has 74 MA's), (Start: 21 @21771 has 53 MA's), (Start: 24 @21786 has 1 MA's), (38, 21855), (42, 21867), (44, 21879), (46, 21897),

Gene: Scottish_29 Start: 27190, Stop: 27330, Start Num: 26
Candidate Starts for Scottish_29:
(Start: 26 @27190 has 127 MA's), (44, 27265),

Gene: SeaLumen_31 Start: 26049, Stop: 26201, Start Num: 22
Candidate Starts for SeaLumen_31:
(Start: 22 @26049 has 92 MA's), (Start: 27 @26064 has 17 MA's), (44, 26136),

Gene: Seabastian_28 Start: 26098, Stop: 26238, Start Num: 26
Candidate Starts for Seabastian_28:
(Start: 26 @26098 has 127 MA's), (44, 26173),

Gene: Seagreen_29 Start: 25880, Stop: 26047, Start Num: 22
Candidate Starts for Seagreen_29:
(Start: 22 @25880 has 92 MA's), (Start: 27 @25910 has 17 MA's), (44, 25982),

Gene: Shaboozey_36 Start: 33375, Stop: 33536, Start Num: 21
Candidate Starts for Shaboozey_36:
(Start: 21 @33375 has 53 MA's), (38, 33450), (44, 33474), (46, 33492),

Gene: Shauna1_25 Start: 25035, Stop: 25202, Start Num: 22
Candidate Starts for Shauna1_25:
(Start: 22 @25035 has 92 MA's), (Start: 27 @25065 has 17 MA's), (44, 25137),

Gene: ShiLan_28 Start: 26065, Stop: 26205, Start Num: 26
Candidate Starts for ShiLan_28:
(Start: 26 @26065 has 127 MA's), (44, 26140),

Gene: Shipwreck_27 Start: 24716, Stop: 24850, Start Num: 27
Candidate Starts for Shipwreck_27:
(Start: 27 @24716 has 17 MA's), (34, 24749), (38, 24764), (39, 24767),

Gene: ShowerHandel_28 Start: 26066, Stop: 26206, Start Num: 26
Candidate Starts for ShowerHandel_28:
(Start: 26 @26066 has 127 MA's), (44, 26141),

Gene: ShrimpFriedEgg_24 Start: 21647, Stop: 21823, Start Num: 20
Candidate Starts for ShrimpFriedEgg_24:
(3, 21329), (6, 21431), (Start: 20 @21647 has 74 MA's), (38, 21737), (44, 21761), (46, 21779),

Gene: ShroomBoi_25 Start: 24925, Stop: 25092, Start Num: 22
Candidate Starts for ShroomBoi_25:
(Start: 22 @24925 has 92 MA's), (Start: 27 @24955 has 17 MA's), (44, 25027),

Gene: Shweta_24 Start: 21778, Stop: 21951, Start Num: 20
Candidate Starts for Shweta_24:
(Start: 20 @21778 has 74 MA's), (Start: 21 @21781 has 53 MA's), (Start: 24 @21796 has 1 MA's), (38, 21865), (42, 21877), (44, 21889), (46, 21907),

Gene: SiSi_28 Start: 25864, Stop: 26004, Start Num: 26
Candidate Starts for SiSi_28:
(Start: 26 @25864 has 127 MA's), (44, 25939),

Gene: Silvafighter_25 Start: 22166, Stop: 22348, Start Num: 19
Candidate Starts for Silvafighter_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: SilverChicken_35 Start: 25765, Stop: 25902, Start Num: 27
Candidate Starts for SilverChicken_35:
(Start: 22 @25735 has 92 MA's), (Start: 27 @25765 has 17 MA's), (44, 25837),

Gene: Silvy_25 Start: 22170, Stop: 22349, Start Num: 20
Candidate Starts for Silvy_25:
(Start: 19 @22167 has 7 MA's), (Start: 20 @22170 has 74 MA's), (37, 22254), (38, 22257),

Gene: SimranZ1_29 Start: 25717, Stop: 25854, Start Num: 26
Candidate Starts for SimranZ1_29:
(Start: 26 @25717 has 127 MA's), (44, 25792), (46, 25810),

Gene: SkinnyPete_24 Start: 21787, Stop: 21951, Start Num: 21
Candidate Starts for SkinnyPete_24:
(5, 21544), (Start: 20 @21784 has 74 MA's), (Start: 21 @21787 has 53 MA's), (Start: 24 @21802 has 1 MA's), (38, 21865), (46, 21907),

Gene: Slim_29 Start: 25798, Stop: 25935, Start Num: 26
Candidate Starts for Slim_29:
(Start: 26 @25798 has 127 MA's), (45, 25879),

Gene: Smurph_25 Start: 22169, Stop: 22348, Start Num: 20
Candidate Starts for Smurph_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Snekmaggedon_24 Start: 21647, Stop: 21823, Start Num: 20
Candidate Starts for Snekmaggedon_24:
(6, 21431), (Start: 20 @21647 has 74 MA's), (38, 21737), (44, 21761), (46, 21779),

Gene: Sonah_25 Start: 22869, Stop: 23039, Start Num: 21
Candidate Starts for Sonah_25:
(Start: 19 @22857 has 7 MA's), (Start: 20 @22866 has 74 MA's), (Start: 21 @22869 has 53 MA's), (Start: 24 @22884 has 1 MA's),

Gene: Soul22_32 Start: 25415, Stop: 25555, Start Num: 26
Candidate Starts for Soul22_32:
(Start: 26 @25415 has 127 MA's), (44, 25490),

Gene: Sparkdehlily_28 Start: 25915, Stop: 26049, Start Num: 26
Candidate Starts for Sparkdehlily_28:
(Start: 26 @25915 has 127 MA's), (44, 25984),

Gene: Spartacus_29 Start: 26108, Stop: 26275, Start Num: 22
Candidate Starts for Spartacus_29:

(Start: 22 @26108 has 92 MA's), (Start: 27 @26138 has 17 MA's), (44, 26210),

Gene: Spikelee_29 Start: 25856, Stop: 26023, Start Num: 22
Candidate Starts for Spikelee_29:
(Start: 22 @25856 has 92 MA's), (Start: 27 @25886 has 17 MA's), (44, 25958),

Gene: Spinach_24 Start: 21647, Stop: 21823, Start Num: 20
Candidate Starts for Spinach_24:
(3, 21329), (6, 21431), (Start: 20 @21647 has 74 MA's), (38, 21737), (44, 21761), (46, 21779),

Gene: SpongeBob_24 Start: 21647, Stop: 21823, Start Num: 20
Candidate Starts for SpongeBob_24:
(6, 21431), (Start: 20 @21647 has 74 MA's), (38, 21737), (44, 21761), (46, 21779),

Gene: Spoonbill_28 Start: 26079, Stop: 26213, Start Num: 26
Candidate Starts for Spoonbill_28:
(Start: 26 @26079 has 127 MA's), (44, 26148),

Gene: Squint_41 Start: 35179, Stop: 35340, Start Num: 21
Candidate Starts for Squint_41:
(Start: 21 @35179 has 53 MA's), (38, 35254), (44, 35278), (46, 35296),

Gene: Squirty_23 Start: 21695, Stop: 21868, Start Num: 20
Candidate Starts for Squirty_23:
(3, 21377), (6, 21479), (Start: 20 @21695 has 74 MA's), (37, 21779), (38, 21782), (42, 21794),

Gene: StAnnes_25 Start: 25400, Stop: 25573, Start Num: 21
Candidate Starts for StAnnes_25:
(7, 25196), (18, 25376), (Start: 21 @25400 has 53 MA's), (44, 25511), (46, 25529),

Gene: Stap_29 Start: 26038, Stop: 26178, Start Num: 26
Candidate Starts for Stap_29:
(Start: 26 @26038 has 127 MA's), (44, 26113),

Gene: Starcevich_31 Start: 26193, Stop: 26324, Start Num: 27
Candidate Starts for Starcevich_31:
(8, 25968), (11, 26025), (13, 26043), (Start: 27 @26193 has 17 MA's), (35, 26226), (41, 26247), (42, 26250), (43, 26253), (46, 26280),

Gene: StevieRay_25 Start: 22870, Stop: 23028, Start Num: 21
Candidate Starts for StevieRay_25:
(Start: 19 @22858 has 7 MA's), (Start: 20 @22867 has 74 MA's), (Start: 21 @22870 has 53 MA's), (Start: 24 @22885 has 1 MA's),

Gene: StressBall_25 Start: 23141, Stop: 23314, Start Num: 20
Candidate Starts for StressBall_25:
(Start: 20 @23141 has 74 MA's), (Start: 21 @23144 has 53 MA's), (Start: 24 @23159 has 1 MA's),

Gene: Strokeseat_28 Start: 26130, Stop: 26282, Start Num: 22
Candidate Starts for Strokeseat_28:
(Start: 22 @26130 has 92 MA's), (Start: 27 @26145 has 17 MA's), (44, 26217),

Gene: Stuck_24 Start: 23375, Stop: 23551, Start Num: 20

Candidate Starts for Stuck_24:
(6, 23159), (Start: 20 @23375 has 74 MA's), (38, 23465), (42, 23477), (46, 23507),

Gene: SuperGrey_28 Start: 26610, Stop: 26750, Start Num: 26
Candidate Starts for SuperGrey_28:
(Start: 26 @26610 has 127 MA's), (44, 26685),

Gene: Superphikiman_42 Start: 35242, Stop: 35403, Start Num: 21
Candidate Starts for Superphikiman_42:
(Start: 21 @35242 has 53 MA's), (38, 35317), (44, 35341), (46, 35359),

Gene: SwagPigglett_28 Start: 25877, Stop: 26017, Start Num: 26
Candidate Starts for SwagPigglett_28:
(Start: 26 @25877 has 127 MA's), (44, 25952),

Gene: TChen_27 Start: 26165, Stop: 26302, Start Num: 27
Candidate Starts for TChen_27:
(Start: 27 @26165 has 17 MA's), (44, 26237),

Gene: TDanisky_28 Start: 25915, Stop: 26049, Start Num: 26
Candidate Starts for TDanisky_28:
(Start: 26 @25915 has 127 MA's), (44, 25984),

Gene: Taj_28 Start: 26060, Stop: 26227, Start Num: 22
Candidate Starts for Taj_28:
(Start: 22 @26060 has 92 MA's), (Start: 27 @26090 has 17 MA's), (44, 26162),

Gene: Tapioca_25 Start: 22169, Stop: 22348, Start Num: 20
Candidate Starts for Tapioca_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Tchotchke_26 Start: 25034, Stop: 25207, Start Num: 21
Candidate Starts for Tchotchke_26:
(Start: 21 @25034 has 53 MA's), (38, 25121), (42, 25133), (46, 25163),

Gene: Techage_25 Start: 22870, Stop: 23040, Start Num: 21
Candidate Starts for Techage_25:
(Start: 20 @22867 has 74 MA's), (Start: 21 @22870 has 53 MA's), (Start: 24 @22885 has 1 MA's), (38, 22954), (41, 22963),

Gene: Tessdabest_24 Start: 22166, Stop: 22345, Start Num: 20
Candidate Starts for Tessdabest_24:
(Start: 19 @22163 has 7 MA's), (Start: 20 @22166 has 74 MA's), (37, 22250), (38, 22253),

Gene: Thespis_25 Start: 22876, Stop: 23049, Start Num: 20
Candidate Starts for Thespis_25:
(Start: 19 @22867 has 7 MA's), (Start: 20 @22876 has 74 MA's), (Start: 21 @22879 has 53 MA's), (Start: 24 @22894 has 1 MA's),

Gene: ThetaBob_27 Start: 25254, Stop: 25394, Start Num: 26
Candidate Starts for ThetaBob_27:
(Start: 26 @25254 has 127 MA's), (44, 25329),

Gene: ThulaThula_25 Start: 23442, Stop: 23621, Start Num: 21
Candidate Starts for ThulaThula_25:
(Start: 20 @23439 has 74 MA's), (Start: 21 @23442 has 53 MA's), (Start: 24 @23466 has 1 MA's), (29, 23493), (40, 23538),

Gene: TootsiePop_29 Start: 25746, Stop: 25898, Start Num: 22
Candidate Starts for TootsiePop_29:
(Start: 22 @25746 has 92 MA's), (Start: 27 @25761 has 17 MA's), (44, 25833),

Gene: Tootsieroll_29 Start: 25869, Stop: 26021, Start Num: 22
Candidate Starts for Tootsieroll_29:
(Start: 22 @25869 has 92 MA's), (Start: 27 @25884 has 17 MA's), (44, 25956),

Gene: Topiatin_31 Start: 26560, Stop: 26700, Start Num: 26
Candidate Starts for Topiatin_31:
(Start: 26 @26560 has 127 MA's), (44, 26635),

Gene: Toron_27 Start: 25474, Stop: 25641, Start Num: 20
Candidate Starts for Toron_27:
(Start: 20 @25474 has 74 MA's), (Start: 24 @25501 has 1 MA's), (36, 25561),

Gene: Tortellini_25 Start: 23480, Stop: 23647, Start Num: 20
Candidate Starts for Tortellini_25:
(Start: 20 @23480 has 74 MA's), (Start: 21 @23483 has 53 MA's), (Start: 24 @23498 has 1 MA's), (38, 23561), (44, 23585), (46, 23603),

Gene: Tortoise12_25 Start: 22169, Stop: 22348, Start Num: 20
Candidate Starts for Tortoise12_25:
(Start: 19 @22166 has 7 MA's), (Start: 20 @22169 has 74 MA's), (37, 22253), (38, 22256),

Gene: Totinger_29 Start: 25797, Stop: 25931, Start Num: 26
Candidate Starts for Totinger_29:
(Start: 26 @25797 has 127 MA's), (44, 25866),

Gene: Tweety_28 Start: 26076, Stop: 26228, Start Num: 22
Candidate Starts for Tweety_28:
(Start: 22 @26076 has 92 MA's), (Start: 27 @26091 has 17 MA's), (44, 26163),

Gene: UncleRicky_31 Start: 27195, Stop: 27335, Start Num: 26
Candidate Starts for UncleRicky_31:
(Start: 26 @27195 has 127 MA's), (44, 27270),

Gene: VRedHorse_28 Start: 26083, Stop: 26235, Start Num: 22
Candidate Starts for VRedHorse_28:
(Start: 22 @26083 has 92 MA's), (Start: 27 @26098 has 17 MA's), (44, 26170),

Gene: Velveteen_23 Start: 21863, Stop: 22039, Start Num: 20
Candidate Starts for Velveteen_23:
(6, 21647), (Start: 20 @21863 has 74 MA's), (38, 21953), (42, 21965), (46, 21995),

Gene: Venti_25 Start: 22879, Stop: 23049, Start Num: 21
Candidate Starts for Venti_25:

(Start: 19 @22867 has 7 MA's), (Start: 20 @22876 has 74 MA's), (Start: 21 @22879 has 53 MA's), (Start: 24 @22894 has 1 MA's),

Gene: Veteran_28 Start: 25894, Stop: 26034, Start Num: 26
Candidate Starts for Veteran_28:
(Start: 26 @25894 has 127 MA's), (44, 25969),

Gene: Vidya_25 Start: 22879, Stop: 23049, Start Num: 21
Candidate Starts for Vidya_25:
(Start: 19 @22867 has 7 MA's), (Start: 20 @22876 has 74 MA's), (Start: 21 @22879 has 53 MA's), (Start: 24 @22894 has 1 MA's),

Gene: Violac_29 Start: 26576, Stop: 26728, Start Num: 22
Candidate Starts for Violac_29:
(Start: 22 @26576 has 92 MA's), (Start: 27 @26591 has 17 MA's), (44, 26663),

Gene: Vivum_28 Start: 25795, Stop: 25962, Start Num: 22
Candidate Starts for Vivum_28:
(Start: 22 @25795 has 92 MA's), (Start: 27 @25825 has 17 MA's), (44, 25897),

Gene: WST1_25 Start: 20638, Stop: 20814, Start Num: 20
Candidate Starts for WST1_25:
(Start: 20 @20638 has 74 MA's), (31, 20698), (37, 20725), (38, 20728), (46, 20770), (47, 20773),

Gene: Wachhund_28 Start: 26049, Stop: 26189, Start Num: 26
Candidate Starts for Wachhund_28:
(Start: 26 @26049 has 127 MA's), (44, 26124),

Gene: Wee_29 Start: 26598, Stop: 26765, Start Num: 22
Candidate Starts for Wee_29:
(Start: 22 @26598 has 92 MA's), (Start: 27 @26628 has 17 MA's), (44, 26700),

Gene: Whatsapiecost_28 Start: 26075, Stop: 26215, Start Num: 26
Candidate Starts for Whatsapiecost_28:
(Start: 26 @26075 has 127 MA's), (44, 26150),

Gene: Whouxphf_28 Start: 26134, Stop: 26274, Start Num: 26
Candidate Starts for Whouxphf_28:
(Start: 26 @26134 has 127 MA's), (44, 26209),

Gene: WillSterrel_29 Start: 27241, Stop: 27408, Start Num: 22
Candidate Starts for WillSterrel_29:
(Start: 22 @27241 has 92 MA's), (Start: 27 @27271 has 17 MA's), (44, 27343),

Gene: Willsammy_25 Start: 23145, Stop: 23318, Start Num: 20
Candidate Starts for Willsammy_25:
(Start: 20 @23145 has 74 MA's), (Start: 21 @23148 has 53 MA's), (Start: 24 @23163 has 1 MA's), (38, 23232), (46, 23274),

Gene: XFactor_28 Start: 26030, Stop: 26182, Start Num: 22
Candidate Starts for XFactor_28:
(Start: 22 @26030 has 92 MA's), (Start: 27 @26045 has 17 MA's), (44, 26117),

Gene: Xavia_25 Start: 23502, Stop: 23672, Start Num: 21
Candidate Starts for Xavia_25:
(Start: 20 @23499 has 74 MA's), (Start: 21 @23502 has 53 MA's), (Start: 24 @23517 has 1 MA's), (38, 23586), (39, 23589), (41, 23595),

Gene: Xeno_24 Start: 21783, Stop: 21953, Start Num: 21
Candidate Starts for Xeno_24:
(Start: 20 @21780 has 74 MA's), (Start: 21 @21783 has 53 MA's), (Start: 24 @21798 has 1 MA's), (38, 21867), (41, 21876),

Gene: Xerxes_25 Start: 22166, Stop: 22345, Start Num: 20
Candidate Starts for Xerxes_25:
(Start: 19 @22163 has 7 MA's), (Start: 20 @22166 has 74 MA's), (37, 22250), (38, 22253),

Gene: Xula_23 Start: 22578, Stop: 22754, Start Num: 20
Candidate Starts for Xula_23:
(6, 22362), (Start: 20 @22578 has 74 MA's), (37, 22665),

Gene: Yorick_28 Start: 26064, Stop: 26204, Start Num: 26
Candidate Starts for Yorick_28:
(Start: 26 @26064 has 127 MA's), (44, 26139),

Gene: Zapner_34 Start: 26243, Stop: 26380, Start Num: 27
Candidate Starts for Zapner_34:
(12, 26087), (Start: 27 @26243 has 17 MA's), (44, 26315),

Gene: Zerg_28 Start: 25839, Stop: 26006, Start Num: 22
Candidate Starts for Zerg_28:
(Start: 22 @25839 has 92 MA's), (Start: 27 @25869 has 17 MA's), (44, 25941),

Gene: Zilizebeth_25 Start: 22876, Stop: 23049, Start Num: 20
Candidate Starts for Zilizebeth_25:
(Start: 19 @22867 has 7 MA's), (Start: 20 @22876 has 74 MA's), (Start: 21 @22879 has 53 MA's), (Start: 24 @22894 has 1 MA's),

Gene: Zizzle_28 Start: 26008, Stop: 26148, Start Num: 26
Candidate Starts for Zizzle_28:
(Start: 26 @26008 has 127 MA's), (44, 26083),