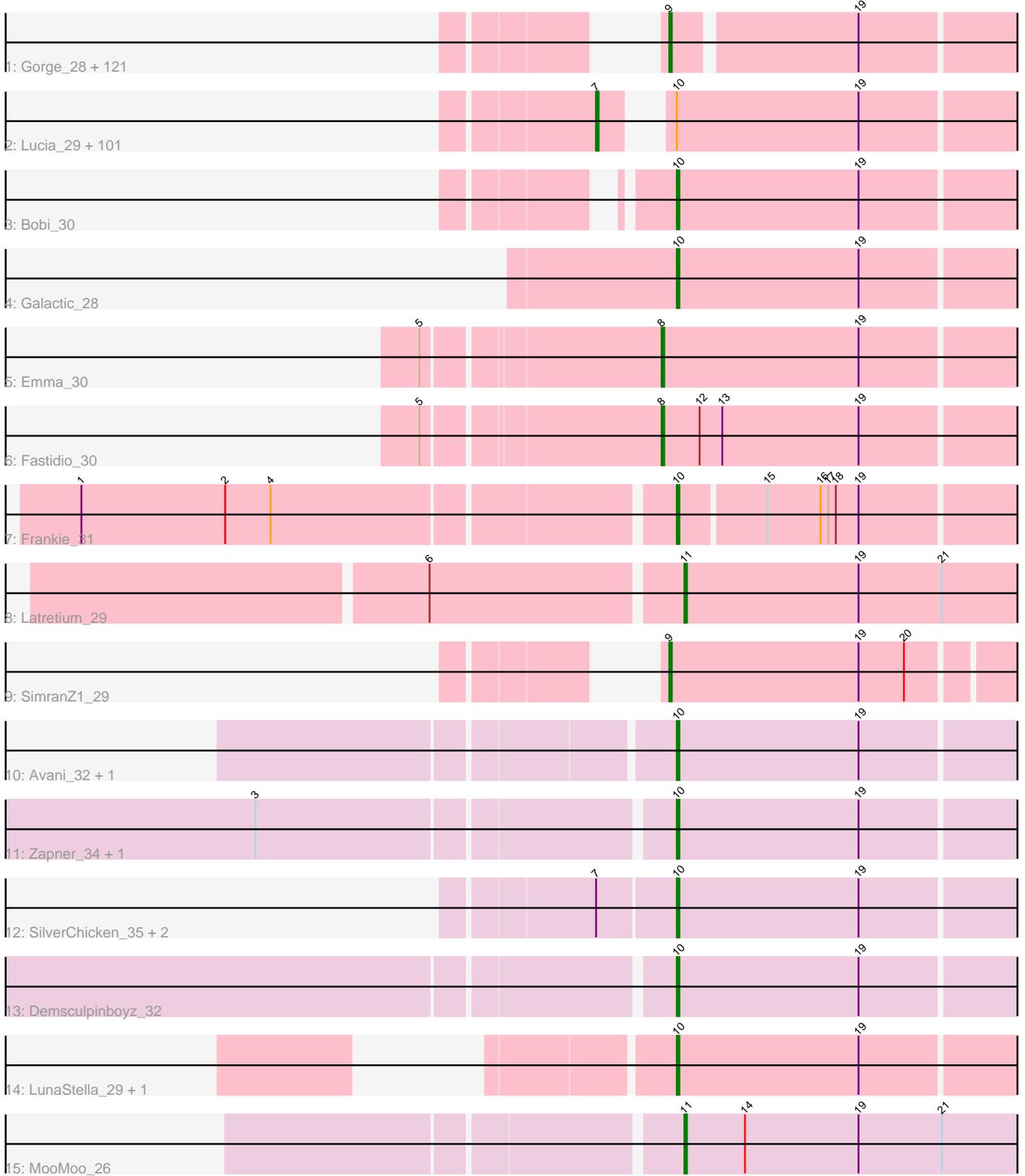# Pham 290813

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 290813 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290813 has 242 members, 21 are drafts.

Phages represented in each track:
• Track 1 : Gorge_28, Karhdo_28, QuickMath_29, ByChance_28, Drago_29, Che8_30, Sparkdehlily_28, Saal_28, Chevrolet_28, CaptainTrips_29, BobaPhett_28, Lorde_29, Cheesepuff_30, SuperGrey_28, Leperchaun_28, TDanisky_28, MinionDave_29, Sandalphon_29, PMC_28, Cabrinians_28, Veteran_28, Modragons_28, Pacc40_28, Daenerys_28, Renaud18_28, Phatniss_29, Rockne_28, Blexus_28, Ruby_28, OlympiaSaint_28, Ogopogo_28, Zizzle_28, James_28, LunaBlu_29, Mattes_28, Grimmer_30, Ibhubesi_28, Piper2020_30, Dante_28, Madiba_26, Mahavrat_28, Empress_29, FreddyB_28, Guppsters_29, BodEinwohner17_28, Mutaforma13_28, Nivrat_28, OldBen_28, DotProduct_28, Eradicator_28, Donkeykong_28, Boomer_29, Juniper1_28, Llij_28, ShowerHandel_28, Byougenkin_28, DRBy19_28, Scottish_29, AlpineSix_29, UncleRicky_31, Estave1_26, Seabastian_28, Sassafras_28, Soul22_32, Kimberlium_30, Philus_28, Cornie_28, Rita_28, Kenuha5_25, Nichirin_29, MulchExplorer_31, RitaG_28, Nitzel_29, SiSi_28, Stap_29, ThetaBob_27, ArcusAngelus_28, Jinglebell_27, DirtMcgirt_29, Whouxphf_28, Hamulus_28, Wachhund_28, Jarcob_28, Phasih_29, GUmbie_28, OfUltron_28, Sabbb_29, Martik_28, JoeyJr_28, MadMen_25, RedBird_28, Yorick_28, Nimbo_28, Totinger_29, MisterCuddles_28, Oksu_29, BlueCrab_28, KingMidas_29, Burwell21_28, Girr_28, Priscilla_28, Lizziana_28, Mantra_28, PHappiness_28, Llama_28, Doomphist_28, GigiOuiOui_28, Harley_28, LilMoolah_28, Poenanya_28, Whatsapiecost_28, ShiLan_28, NormanBulbieJr_28, Maravista_28, Radiance_28, Topiatin_31, Spoonbill_28, SwagPigglett_28, Inventum_28, Chuckly_28, Clank_25, Pollywog_28
• Track 2 : Lucia_29, Fruitloop_27, Cornucopia_29, Seagreen_29, Vivum_28, Enby_29, SeaLumen_31, Polka14_29, DillTech15_28, XFactor_28, Awesomesauce_29, Filuzino_28, JalFarm20_30, Corium_28, Royals2015_28, Alexphander_30, Eish_28, Florinda_28, DoRead_28, Doug_29, Job42_31, Firehouse51_29, ShroomBoi_25, Doomslug_31, Aloeri_30, Mwanjiwa_28, Medindi_29, Bipolar_25, Tweety_28, IMpilo_27, Dorothy_28, NewHope4_30, Batiatus_28, MilleniumForce_29, Hlubikazi_28, OwlsT2W_29, Plumbus_29, DaWorst_30, WillSterrel_29, Blarby_36, Enzomatic_32, Hades_28, TootsiePop_29, Mandlovu_28, SassyB_28, DLane_28, Moonbeam_29, Phanphagia_25, Spikelee_29, Kingsley_26, Fancypants_28, DaddyRickover_28, Coco12_27, Melissauren88_28, Juice456_29, Brushbloom_29, Polo2Bam_32, KingJulian_28, Violac_29, Beakin_29, PopTart_28, Taj_28, Shauna1_25, Jant_29, Wee_29, Ovechkin_28, Strokeseat_28, DeadP_28, Mova_29, RockyHorror_29, Quico_29, SG4_28, Ramsey_29, ChickenDinner_30, Marker_29, Mozy_29, Geralt_28, Misha28_29, Tootsieroll_29, Deb65_28, Leozinho_29, Brookers_26, Zerg_28, Girafales_29, EleanorGeorge_28,

DosHalletts_29, Gandalph_28, VRedHorse_28, Bubbles123_29, KristaRAM_29, BuzzLyseyear_30, Spartacus_29, DocMcStuffins_30, Phalconet_28, PhesterPhotato_28, PatoPoderoso_28, Hegedechwinu_29, IrishSherpFalk_29, Flathead_28, IbOuu_29, Krakatau_29, Aubs_28
• Track 3 : Bobi_30
• Track 4 : Galactic_28
• Track 5 : Emma_30
• Track 6 : Fastidio_30
• Track 7 : Frankie_31
• Track 8 : Latretium_29
• Track 9 : SimranZ1_29
• Track 10 : Avani_32, Che9d_32
• Track 11 : Zapner_34, Jabbawokkie_35
• Track 12 : SilverChicken_35, Beanstalk_32, Minnie_29
• Track 13 : Demsculpinboyz_32
• Track 14 : LunaStella_29, TChen_27
• Track 15 : 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 9, it was called in 117 of the 221 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, 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, 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_31, Mutaforma13_28, Nichirin_29, Nimbo_28, Nitzel_29, Nivrat_28, NormanBulbieJr_28, OfUltron_28, Ogopogo_28, Oksu_29, OldBen_28, OlympiaSaint_28, PHappiness_28, PMC_28, Pacc40_28, Phasih_29, Phatniss_29, Philus_28, Piper2020_30, Poenanya_28, Pollywog_28, Priscilla_28, QuickMath_29, Radiance_28, RedBird_28, Renaud18_28, 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, 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:
• Alexphander_30, Aloeri_30, Aubs_28, Avani_32, Awesomesauce_29, Batiatus_28, Beakin_29, Beanstalk_32, Bipolar_25, Blarby_36, Bobi_30, Brookers_26, Brushbloom_29, Bubbles123_29, BuzzLyseyear_30, Che9d_32, ChickenDinner_30, Coco12_27, Corium_28, Cornucopia_29, DLane_28, DaWorst_30, DaddyRickover_28, DeadP_28, Deb65_28, Demsculpinboyz_32, DillTech15_28, DoRead_28, DocMcStuffins_30, Doomslug_31, Dorothy_28, DosHalletts_29, Doug_29, Eish_28, EleanorGeorge_28, Emma_30, Enby_29, Enzomatic_32, Fancypants_28, Fastidio_30, Filuzino_28, Firehouse51_29, Flathead_28, Florinda_28, Frankie_31, Fruitloop_27, Galactic_28, Gandalph_28, Geralt_28, Girafales_29, Hades_28, Hegedechwinu_29, Hlubikazi_28, IMpilo_27, IbOuu_29, IrishSherpFalk_29, Jabbawokkie_35, JalFarm20_30, Jant_29, Job42_31, Juice456_29, KingJulian_28, Kingsley_26, Krakatau_29, KristaRAM_29, Latretium_29, Leozinho_29, Lucia_29, LunaStella_29, Mandlovu_28, Marker_29, Medindi_29, Melissauren88_28, MilleniumForce_29, Minnie_29, Misha28_29, MooMoo_26, Moonbeam_29, Mova_29, Mozy_29, Mwanjiwa_28, NewHope4_30, Ovechkin_28, OwlsT2W_29, PatoPoderoso_28, Phalconet_28, Phanphagia_25, PhesterPhotato_28, Plumbus_29, Polka14_29, Polo2Bam_32, PopTart_28, Quico_29, Ramsey_29, RockyHorror_29, Royals2015_28, SG4_28, SassyB_28, SeaLumen_31, Seagreen_29, Shauna1_25, ShroomBoi_25, SilverChicken_35, Spartacus_29, Spikelee_29, Strokeseat_28, TChen_27, Taj_28, TootsiePop_29, Tootsieroll_29, Tweety_28, VRedHorse_28, Violac_29, Vivum_28, Wee_29, WillSterrel_29, XFactor_28, Zapner_34, Zerg_28,

Summary by start number:

Start 7:
• Found in 105 of 242 (43.4%) of genes in pham
• Manual Annotations of this start: 89 of 221
• Called 97.1% 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), 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 8:
• Found in 2 of 242 (0.8%) of genes in pham
• Manual Annotations of this start: 2 of 221
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emma_30 (F1), Fastidio_30 (F1),

Start 9:
• Found in 123 of 242 (50.8%) of genes in pham
• Manual Annotations of this start: 117 of 221
• 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), 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), 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_31 (F1), Mutaforma13_28 (F1), Nichirin_29 (F1), Nimbo_28 (F1), Nitzel_29 (F1), Nivrat_28 (F1), NormanBulbieJr_28 (F1), OfUltron_28 (F1), Ogopogo_28 (F1), Oksu_29 (F1), OldBen_28 (F1), OlympiaSaint_28 (F1), PHappiness_28 (F1), PMC_28 (F1), Pacc40_28 (F1), Phasih_29 (F1), Phatniss_29 (F1), Philus_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), 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), 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 10:
• Found in 115 of 242 (47.5%) of genes in pham
• Manual Annotations of this start: 11 of 221
• Called 11.3% of time when present
• Phage (with cluster) where this start called: Avani_32 (F2), Beanstalk_32 (F1), Bobi_30 (F1), Che9d_32 (F2), Demsculpinboyz_32 (F2), Frankie_31 (F1), Galactic_28 (F1), Jabbawokkie_35 (F2), LunaStella_29 (F4), Minnie_29 (F1), SilverChicken_35 (F2), TChen_27 (F4), Zapner_34 (F2),

Start 11:
• Found in 2 of 242 (0.8%) of genes in pham
• Manual Annotations of this start: 2 of 221
• 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 6 clusters represented in this pham: F1, F2, F4, F5, F, singleton,

Info for manual annotations of cluster F1:
•Start number 7 was manually annotated 89 times for cluster F1.
•Start number 8 was manually annotated 2 times for cluster F1.
•Start number 9 was manually annotated 113 times for cluster F1.
•Start number 10 was manually annotated 4 times for cluster F1.
•Start number 11 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 9 was manually annotated 1 time for cluster F2.
•Start number 10 was manually annotated 5 times for cluster F2.

Info for manual annotations of cluster F4:
•Start number 9 was manually annotated 2 times for cluster F4.
•Start number 10 was manually annotated 2 times for cluster F4.

Info for manual annotations of cluster F5:
•Start number 9 was manually annotated 1 time for cluster F5.

Gene Information:
Gene: Alexphander_30 Start: 26399, Stop: 26551, Start Num: 7
Candidate Starts for Alexphander_30:
(Start: 7 @26399 has 89 MA's), (Start: 10 @26414 has 11 MA's), (19, 26486),

Gene: Aloeri_30 Start: 26467, Stop: 26634, Start Num: 7
Candidate Starts for Aloeri_30:
(Start: 7 @26467 has 89 MA's), (Start: 10 @26497 has 11 MA's), (19, 26569),

Gene: AlpineSix_29 Start: 26099, Stop: 26239, Start Num: 9
Candidate Starts for AlpineSix_29:
(Start: 9 @26099 has 117 MA's), (19, 26174),

Gene: ArcusAngelus_28 Start: 25871, Stop: 26011, Start Num: 9
Candidate Starts for ArcusAngelus_28:
(Start: 9 @25871 has 117 MA's), (19, 25946),

Gene: Aubs_28 Start: 26001, Stop: 26168, Start Num: 7
Candidate Starts for Aubs_28:

(Start: 7 @26001 has 89 MA's), (Start: 10 @26031 has 11 MA's), (19, 26103),

Gene: Avani_32 Start: 24801, Stop: 24938, Start Num: 10
Candidate Starts for Avani_32:
(Start: 10 @24801 has 11 MA's), (19, 24873),

Gene: Awesomesauce_29 Start: 25741, Stop: 25893, Start Num: 7
Candidate Starts for Awesomesauce_29:
(Start: 7 @25741 has 89 MA's), (Start: 10 @25756 has 11 MA's), (19, 25828),

Gene: Batiatus_28 Start: 25899, Stop: 26051, Start Num: 7
Candidate Starts for Batiatus_28:
(Start: 7 @25899 has 89 MA's), (Start: 10 @25914 has 11 MA's), (19, 25986),

Gene: Beakin_29 Start: 25768, Stop: 25920, Start Num: 7
Candidate Starts for Beakin_29:
(Start: 7 @25768 has 89 MA's), (Start: 10 @25783 has 11 MA's), (19, 25855),

Gene: Beanstalk_32 Start: 26059, Stop: 26196, Start Num: 10
Candidate Starts for Beanstalk_32:
(Start: 7 @26029 has 89 MA's), (Start: 10 @26059 has 11 MA's), (19, 26131),

Gene: Bipolar_25 Start: 24931, Stop: 25083, Start Num: 7
Candidate Starts for Bipolar_25:
(Start: 7 @24931 has 89 MA's), (Start: 10 @24946 has 11 MA's), (19, 25018),

Gene: Blarby_36 Start: 26306, Stop: 26470, Start Num: 7
Candidate Starts for Blarby_36:
(Start: 7 @26306 has 89 MA's), (Start: 10 @26333 has 11 MA's), (19, 26405),

Gene: Blexus_28 Start: 26193, Stop: 26327, Start Num: 9
Candidate Starts for Blexus_28:
(Start: 9 @26193 has 117 MA's), (19, 26262),

Gene: BlueCrab_28 Start: 26057, Stop: 26197, Start Num: 9
Candidate Starts for BlueCrab_28:
(Start: 9 @26057 has 117 MA's), (19, 26132),

Gene: BobaPhett_28 Start: 26045, Stop: 26179, Start Num: 9
Candidate Starts for BobaPhett_28:
(Start: 9 @26045 has 117 MA's), (19, 26114),

Gene: Bobi_30 Start: 26629, Stop: 26766, Start Num: 10
Candidate Starts for Bobi_30:
(Start: 10 @26629 has 11 MA's), (19, 26701),

Gene: BodEinwohner17_28 Start: 26197, Stop: 26337, Start Num: 9
Candidate Starts for BodEinwohner17_28:
(Start: 9 @26197 has 117 MA's), (19, 26272),

Gene: Boomer_29 Start: 25673, Stop: 25813, Start Num: 9
Candidate Starts for Boomer_29:
(Start: 9 @25673 has 117 MA's), (19, 25748),

Gene: Brookers_26 Start: 24833, Stop: 25000, Start Num: 7
Candidate Starts for Brookers_26:
(Start: 7 @24833 has 89 MA's), (Start: 10 @24863 has 11 MA's), (19, 24935),

Gene: Brushbloom_29 Start: 25908, Stop: 26075, Start Num: 7
Candidate Starts for Brushbloom_29:
(Start: 7 @25908 has 89 MA's), (Start: 10 @25938 has 11 MA's), (19, 26010),

Gene: Bubbles123_29 Start: 26579, Stop: 26746, Start Num: 7
Candidate Starts for Bubbles123_29:
(Start: 7 @26579 has 89 MA's), (Start: 10 @26609 has 11 MA's), (19, 26681),

Gene: Burwell21_28 Start: 26064, Stop: 26204, Start Num: 9
Candidate Starts for Burwell21_28:
(Start: 9 @26064 has 117 MA's), (19, 26139),

Gene: BuzzLyseyear_30 Start: 26410, Stop: 26577, Start Num: 7
Candidate Starts for BuzzLyseyear_30:
(Start: 7 @26410 has 89 MA's), (Start: 10 @26440 has 11 MA's), (19, 26512),

Gene: ByChance_28 Start: 26041, Stop: 26181, Start Num: 9
Candidate Starts for ByChance_28:
(Start: 9 @26041 has 117 MA's), (19, 26116),

Gene: Byougenkin_28 Start: 25893, Stop: 26033, Start Num: 9
Candidate Starts for Byougenkin_28:
(Start: 9 @25893 has 117 MA's), (19, 25968),

Gene: Cabrinians_28 Start: 26073, Stop: 26207, Start Num: 9
Candidate Starts for Cabrinians_28:
(Start: 9 @26073 has 117 MA's), (19, 26142),

Gene: CaptainTrips_29 Start: 26266, Stop: 26406, Start Num: 9
Candidate Starts for CaptainTrips_29:
(Start: 9 @26266 has 117 MA's), (19, 26341),

Gene: Che8_30 Start: 26247, Stop: 26387, Start Num: 9
Candidate Starts for Che8_30:
(Start: 9 @26247 has 117 MA's), (19, 26322),

Gene: Che9d_32 Start: 24809, Stop: 24946, Start Num: 10
Candidate Starts for Che9d_32:
(Start: 10 @24809 has 11 MA's), (19, 24881),

Gene: Cheesepuff_30 Start: 26888, Stop: 27028, Start Num: 9
Candidate Starts for Cheesepuff_30:
(Start: 9 @26888 has 117 MA's), (19, 26963),

Gene: Chevrolet_28 Start: 25872, Stop: 26012, Start Num: 9
Candidate Starts for Chevrolet_28:
(Start: 9 @25872 has 117 MA's), (19, 25947),

Gene: ChickenDinner_30 Start: 26467, Stop: 26634, Start Num: 7
Candidate Starts for ChickenDinner_30:
(Start: 7 @26467 has 89 MA's), (Start: 10 @26497 has 11 MA's), (19, 26569),

Gene: Chuckly_28 Start: 26043, Stop: 26183, Start Num: 9
Candidate Starts for Chuckly_28:
(Start: 9 @26043 has 117 MA's), (19, 26118),

Gene: Clank_25 Start: 25080, Stop: 25220, Start Num: 9
Candidate Starts for Clank_25:
(Start: 9 @25080 has 117 MA's), (19, 25155),

Gene: Coco12_27 Start: 25374, Stop: 25541, Start Num: 7
Candidate Starts for Coco12_27:
(Start: 7 @25374 has 89 MA's), (Start: 10 @25404 has 11 MA's), (19, 25476),

Gene: Corium_28 Start: 26064, Stop: 26216, Start Num: 7
Candidate Starts for Corium_28:
(Start: 7 @26064 has 89 MA's), (Start: 10 @26079 has 11 MA's), (19, 26151),

Gene: Cornie_28 Start: 26284, Stop: 26424, Start Num: 9
Candidate Starts for Cornie_28:
(Start: 9 @26284 has 117 MA's), (19, 26359),

Gene: Cornucopia_29 Start: 25927, Stop: 26079, Start Num: 7
Candidate Starts for Cornucopia_29:
(Start: 7 @25927 has 89 MA's), (Start: 10 @25942 has 11 MA's), (19, 26014),

Gene: DLane_28 Start: 25876, Stop: 26028, Start Num: 7
Candidate Starts for DLane_28:
(Start: 7 @25876 has 89 MA's), (Start: 10 @25891 has 11 MA's), (19, 25963),

Gene: DRBy19_28 Start: 25915, Stop: 26049, Start Num: 9
Candidate Starts for DRBy19_28:
(Start: 9 @25915 has 117 MA's), (19, 25984),

Gene: DaWorst_30 Start: 26406, Stop: 26558, Start Num: 7
Candidate Starts for DaWorst_30:
(Start: 7 @26406 has 89 MA's), (Start: 10 @26421 has 11 MA's), (19, 26493),

Gene: DaddyRickover_28 Start: 26046, Stop: 26198, Start Num: 7
Candidate Starts for DaddyRickover_28:
(Start: 7 @26046 has 89 MA's), (Start: 10 @26061 has 11 MA's), (19, 26133),

Gene: Daenerys_28 Start: 25889, Stop: 26029, Start Num: 9
Candidate Starts for Daenerys_28:
(Start: 9 @25889 has 117 MA's), (19, 25964),

Gene: Dante_28 Start: 25935, Stop: 26069, Start Num: 9
Candidate Starts for Dante_28:
(Start: 9 @25935 has 117 MA's), (19, 26004),

Gene: DeadP_28 Start: 26058, Stop: 26225, Start Num: 7

Candidate Starts for DeadP_28:
(Start: 7 @26058 has 89 MA's), (Start: 10 @26088 has 11 MA's), (19, 26160),

Gene: Deb65_28 Start: 25873, Stop: 26025, Start Num: 7
Candidate Starts for Deb65_28:
(Start: 7 @25873 has 89 MA's), (Start: 10 @25888 has 11 MA's), (19, 25960),

Gene: Demsculpinboyz_32 Start: 24795, Stop: 24932, Start Num: 10
Candidate Starts for Demsculpinboyz_32:
(Start: 10 @24795 has 11 MA's), (19, 24867),

Gene: DillTech15_28 Start: 25893, Stop: 26060, Start Num: 7
Candidate Starts for DillTech15_28:
(Start: 7 @25893 has 89 MA's), (Start: 10 @25923 has 11 MA's), (19, 25995),

Gene: DirtMcgirt_29 Start: 25712, Stop: 25852, Start Num: 9
Candidate Starts for DirtMcgirt_29:
(Start: 9 @25712 has 117 MA's), (19, 25787),

Gene: DoRead_28 Start: 25871, Stop: 26023, Start Num: 7
Candidate Starts for DoRead_28:
(Start: 7 @25871 has 89 MA's), (Start: 10 @25886 has 11 MA's), (19, 25958),

Gene: DocMcStuffins_30 Start: 26467, Stop: 26634, Start Num: 7
Candidate Starts for DocMcStuffins_30:
(Start: 7 @26467 has 89 MA's), (Start: 10 @26497 has 11 MA's), (19, 26569),

Gene: Donkeykong_28 Start: 26059, Stop: 26199, Start Num: 9
Candidate Starts for Donkeykong_28:
(Start: 9 @26059 has 117 MA's), (19, 26134),

Gene: Doomphist_28 Start: 25998, Stop: 26138, Start Num: 9
Candidate Starts for Doomphist_28:
(Start: 9 @25998 has 117 MA's), (19, 26073),

Gene: Doomslug_31 Start: 25732, Stop: 25899, Start Num: 7
Candidate Starts for Doomslug_31:
(Start: 7 @25732 has 89 MA's), (Start: 10 @25762 has 11 MA's), (19, 25834),

Gene: Dorothy_28 Start: 25831, Stop: 25983, Start Num: 7
Candidate Starts for Dorothy_28:
(Start: 7 @25831 has 89 MA's), (Start: 10 @25846 has 11 MA's), (19, 25918),

Gene: DosHalletts_29 Start: 25988, Stop: 26140, Start Num: 7
Candidate Starts for DosHalletts_29:
(Start: 7 @25988 has 89 MA's), (Start: 10 @26003 has 11 MA's), (19, 26075),

Gene: DotProduct_28 Start: 25865, Stop: 26005, Start Num: 9
Candidate Starts for DotProduct_28:
(Start: 9 @25865 has 117 MA's), (19, 25940),

Gene: Doug_29 Start: 26423, Stop: 26575, Start Num: 7
Candidate Starts for Doug_29:

(Start: 7 @26423 has 89 MA's), (Start: 10 @26438 has 11 MA's), (19, 26510),

Gene: Drago_29 Start: 25698, Stop: 25838, Start Num: 9
Candidate Starts for Drago_29:
(Start: 9 @25698 has 117 MA's), (19, 25773),

Gene: Eish_28 Start: 26011, Stop: 26163, Start Num: 7
Candidate Starts for Eish_28:
(Start: 7 @26011 has 89 MA's), (Start: 10 @26026 has 11 MA's), (19, 26098),

Gene: EleanorGeorge_28 Start: 26166, Stop: 26333, Start Num: 7
Candidate Starts for EleanorGeorge_28:
(Start: 7 @26166 has 89 MA's), (Start: 10 @26196 has 11 MA's), (19, 26268),

Gene: Emma_30 Start: 26455, Stop: 26598, Start Num: 8
Candidate Starts for Emma_30:
(5, 26395), (Start: 8 @26455 has 2 MA's), (19, 26533),

Gene: Empress_29 Start: 27231, Stop: 27365, Start Num: 9
Candidate Starts for Empress_29:
(Start: 9 @27231 has 117 MA's), (19, 27300),

Gene: Enby_29 Start: 25696, Stop: 25863, Start Num: 7
Candidate Starts for Enby_29:
(Start: 7 @25696 has 89 MA's), (Start: 10 @25726 has 11 MA's), (19, 25798),

Gene: Enzomatic_32 Start: 26049, Stop: 26201, Start Num: 7
Candidate Starts for Enzomatic_32:
(Start: 7 @26049 has 89 MA's), (Start: 10 @26064 has 11 MA's), (19, 26136),

Gene: Eradicator_28 Start: 25919, Stop: 26059, Start Num: 9
Candidate Starts for Eradicator_28:
(Start: 9 @25919 has 117 MA's), (19, 25994),

Gene: Estave1_26 Start: 25327, Stop: 25467, Start Num: 9
Candidate Starts for Estave1_26:
(Start: 9 @25327 has 117 MA's), (19, 25402),

Gene: Fancypants_28 Start: 25879, Stop: 26031, Start Num: 7
Candidate Starts for Fancypants_28:
(Start: 7 @25879 has 89 MA's), (Start: 10 @25894 has 11 MA's), (19, 25966),

Gene: Fastidio_30 Start: 26198, Stop: 26341, Start Num: 8
Candidate Starts for Fastidio_30:
(5, 26138), (Start: 8 @26198 has 2 MA's), (12, 26213), (13, 26222), (19, 26276),

Gene: Filuzino_28 Start: 25868, Stop: 26020, Start Num: 7
Candidate Starts for Filuzino_28:
(Start: 7 @25868 has 89 MA's), (Start: 10 @25883 has 11 MA's), (19, 25955),

Gene: Firehouse51_29 Start: 26590, Stop: 26742, Start Num: 7
Candidate Starts for Firehouse51_29:
(Start: 7 @26590 has 89 MA's), (Start: 10 @26605 has 11 MA's), (19, 26677),

Gene: Flathead_28 Start: 25891, Stop: 26058, Start Num: 7
Candidate Starts for Flathead_28:
(Start: 7 @25891 has 89 MA's), (Start: 10 @25921 has 11 MA's), (19, 25993),

Gene: Florinda_28 Start: 25889, Stop: 26032, Start Num: 7
Candidate Starts for Florinda_28:
(Start: 7 @25889 has 89 MA's), (Start: 10 @25895 has 11 MA's), (19, 25967),

Gene: Frankie_31 Start: 26420, Stop: 26554, Start Num: 10
Candidate Starts for Frankie_31:
(1, 26195), (2, 26252), (4, 26270), (Start: 10 @26420 has 11 MA's), (15, 26453), (16, 26474), (17, 26477), (18, 26480), (19, 26489),

Gene: FreddyB_28 Start: 26082, Stop: 26216, Start Num: 9
Candidate Starts for FreddyB_28:
(Start: 9 @26082 has 117 MA's), (19, 26151),

Gene: Fruitloop_27 Start: 26062, Stop: 26214, Start Num: 7
Candidate Starts for Fruitloop_27:
(Start: 7 @26062 has 89 MA's), (Start: 10 @26077 has 11 MA's), (19, 26149),

Gene: GUmbie_28 Start: 25894, Stop: 26034, Start Num: 9
Candidate Starts for GUmbie_28:
(Start: 9 @25894 has 117 MA's), (19, 25969),

Gene: Galactic_28 Start: 25877, Stop: 26014, Start Num: 10
Candidate Starts for Galactic_28:
(Start: 10 @25877 has 11 MA's), (19, 25949),

Gene: Gandalph_28 Start: 25972, Stop: 26124, Start Num: 7
Candidate Starts for Gandalph_28:
(Start: 7 @25972 has 89 MA's), (Start: 10 @25987 has 11 MA's), (19, 26059),

Gene: Geralt_28 Start: 25872, Stop: 26024, Start Num: 7
Candidate Starts for Geralt_28:
(Start: 7 @25872 has 89 MA's), (Start: 10 @25887 has 11 MA's), (19, 25959),

Gene: GigiOuiOui_28 Start: 26018, Stop: 26158, Start Num: 9
Candidate Starts for GigiOuiOui_28:
(Start: 9 @26018 has 117 MA's), (19, 26093),

Gene: Girafales_29 Start: 25697, Stop: 25840, Start Num: 7
Candidate Starts for Girafales_29:
(Start: 7 @25697 has 89 MA's), (Start: 10 @25703 has 11 MA's), (19, 25775),

Gene: Girr_28 Start: 25857, Stop: 25991, Start Num: 9
Candidate Starts for Girr_28:
(Start: 9 @25857 has 117 MA's), (19, 25926),

Gene: Gorge_28 Start: 26049, Stop: 26183, Start Num: 9
Candidate Starts for Gorge_28:
(Start: 9 @26049 has 117 MA's), (19, 26118),

Gene: Grimmer_30 Start: 26613, Stop: 26753, Start Num: 9
Candidate Starts for Grimmer_30:
(Start: 9 @26613 has 117 MA's), (19, 26688),

Gene: Guppsters_29 Start: 26159, Stop: 26299, Start Num: 9
Candidate Starts for Guppsters_29:
(Start: 9 @26159 has 117 MA's), (19, 26234),

Gene: Hades_28 Start: 25964, Stop: 26116, Start Num: 7
Candidate Starts for Hades_28:
(Start: 7 @25964 has 89 MA's), (Start: 10 @25979 has 11 MA's), (19, 26051),

Gene: Hamulus_28 Start: 26041, Stop: 26181, Start Num: 9
Candidate Starts for Hamulus_28:
(Start: 9 @26041 has 117 MA's), (19, 26116),

Gene: Harley_28 Start: 25828, Stop: 25968, Start Num: 9
Candidate Starts for Harley_28:
(Start: 9 @25828 has 117 MA's), (19, 25903),

Gene: Hegedechwinu_29 Start: 25873, Stop: 26040, Start Num: 7
Candidate Starts for Hegedechwinu_29:
(Start: 7 @25873 has 89 MA's), (Start: 10 @25903 has 11 MA's), (19, 25975),

Gene: Hlubikazi_28 Start: 26131, Stop: 26283, Start Num: 7
Candidate Starts for Hlubikazi_28:
(Start: 7 @26131 has 89 MA's), (Start: 10 @26146 has 11 MA's), (19, 26218),

Gene: IMpilo_27 Start: 25655, Stop: 25807, Start Num: 7
Candidate Starts for IMpilo_27:
(Start: 7 @25655 has 89 MA's), (Start: 10 @25670 has 11 MA's), (19, 25742),

Gene: IbOuu_29 Start: 25887, Stop: 26039, Start Num: 7
Candidate Starts for IbOuu_29:
(Start: 7 @25887 has 89 MA's), (Start: 10 @25902 has 11 MA's), (19, 25974),

Gene: Ibhubesi_28 Start: 25835, Stop: 25975, Start Num: 9
Candidate Starts for Ibhubesi_28:
(Start: 9 @25835 has 117 MA's), (19, 25910),

Gene: Inventum_28 Start: 26013, Stop: 26147, Start Num: 9
Candidate Starts for Inventum_28:
(Start: 9 @26013 has 117 MA's), (19, 26082),

Gene: IrishSherpFalk_29 Start: 27208, Stop: 27375, Start Num: 7
Candidate Starts for IrishSherpFalk_29:
(Start: 7 @27208 has 89 MA's), (Start: 10 @27238 has 11 MA's), (19, 27310),

Gene: Jabbawokkie_35 Start: 26242, Stop: 26379, Start Num: 10
Candidate Starts for Jabbawokkie_35:
(3, 26086), (Start: 10 @26242 has 11 MA's), (19, 26314),

Gene: JalFarm20_30 Start: 26395, Stop: 26562, Start Num: 7
Candidate Starts for JalFarm20_30:
(Start: 7 @26395 has 89 MA's), (Start: 10 @26425 has 11 MA's), (19, 26497),

Gene: James_28 Start: 26045, Stop: 26179, Start Num: 9
Candidate Starts for James_28:
(Start: 9 @26045 has 117 MA's), (19, 26114),

Gene: Jant_29 Start: 26025, Stop: 26192, Start Num: 7
Candidate Starts for Jant_29:
(Start: 7 @26025 has 89 MA's), (Start: 10 @26055 has 11 MA's), (19, 26127),

Gene: Jarcob_28 Start: 26080, Stop: 26214, Start Num: 9
Candidate Starts for Jarcob_28:
(Start: 9 @26080 has 117 MA's), (19, 26149),

Gene: Jinglebell_27 Start: 26098, Stop: 26238, Start Num: 9
Candidate Starts for Jinglebell_27:
(Start: 9 @26098 has 117 MA's), (19, 26173),

Gene: Job42_31 Start: 27602, Stop: 27754, Start Num: 7
Candidate Starts for Job42_31:
(Start: 7 @27602 has 89 MA's), (Start: 10 @27617 has 11 MA's), (19, 27689),

Gene: JoeyJr_28 Start: 26057, Stop: 26197, Start Num: 9
Candidate Starts for JoeyJr_28:
(Start: 9 @26057 has 117 MA's), (19, 26132),

Gene: Juice456_29 Start: 27144, Stop: 27311, Start Num: 7
Candidate Starts for Juice456_29:
(Start: 7 @27144 has 89 MA's), (Start: 10 @27174 has 11 MA's), (19, 27246),

Gene: Juniper1_28 Start: 25857, Stop: 25997, Start Num: 9
Candidate Starts for Juniper1_28:
(Start: 9 @25857 has 117 MA's), (19, 25932),

Gene: Karhdo_28 Start: 26020, Stop: 26160, Start Num: 9
Candidate Starts for Karhdo_28:
(Start: 9 @26020 has 117 MA's), (19, 26095),

Gene: Kenuha5_25 Start: 25038, Stop: 25178, Start Num: 9
Candidate Starts for Kenuha5_25:
(Start: 9 @25038 has 117 MA's), (19, 25113),

Gene: Kimberlium_30 Start: 27010, Stop: 27150, Start Num: 9
Candidate Starts for Kimberlium_30:
(Start: 9 @27010 has 117 MA's), (19, 27085),

Gene: KingJulian_28 Start: 26064, Stop: 26216, Start Num: 7
Candidate Starts for KingJulian_28:
(Start: 7 @26064 has 89 MA's), (Start: 10 @26079 has 11 MA's), (19, 26151),

Gene: KingMidas_29 Start: 27185, Stop: 27325, Start Num: 9

Candidate Starts for KingMidas_29:
(Start: 9 @27185 has 117 MA's), (19, 27260),

Gene: Kingsley_26 Start: 24838, Stop: 25005, Start Num: 7
Candidate Starts for Kingsley_26:
(Start: 7 @24838 has 89 MA's), (Start: 10 @24868 has 11 MA's), (19, 24940),

Gene: Krakatau_29 Start: 26546, Stop: 26698, Start Num: 7
Candidate Starts for Krakatau_29:
(Start: 7 @26546 has 89 MA's), (Start: 10 @26561 has 11 MA's), (19, 26633),

Gene: KristaRAM_29 Start: 26704, Stop: 26871, Start Num: 7
Candidate Starts for KristaRAM_29:
(Start: 7 @26704 has 89 MA's), (Start: 10 @26734 has 11 MA's), (19, 26806),

Gene: Latretium_29 Start: 26693, Stop: 26830, Start Num: 11
Candidate Starts for Latretium_29:
(6, 26597), (Start: 11 @26693 has 2 MA's), (19, 26762), (21, 26795),

Gene: Leozinho_29 Start: 25731, Stop: 25883, Start Num: 7
Candidate Starts for Leozinho_29:
(Start: 7 @25731 has 89 MA's), (Start: 10 @25746 has 11 MA's), (19, 25818),

Gene: Leperchaun_28 Start: 25946, Stop: 26086, Start Num: 9
Candidate Starts for Leperchaun_28:
(Start: 9 @25946 has 117 MA's), (19, 26021),

Gene: LilMoolah_28 Start: 26164, Stop: 26304, Start Num: 9
Candidate Starts for LilMoolah_28:
(Start: 9 @26164 has 117 MA's), (19, 26239),

Gene: Lizziana_28 Start: 26039, Stop: 26179, Start Num: 9
Candidate Starts for Lizziana_28:
(Start: 9 @26039 has 117 MA's), (19, 26114),

Gene: Llama_28 Start: 26097, Stop: 26237, Start Num: 9
Candidate Starts for Llama_28:
(Start: 9 @26097 has 117 MA's), (19, 26172),

Gene: Llij_28 Start: 25862, Stop: 26002, Start Num: 9
Candidate Starts for Llij_28:
(Start: 9 @25862 has 117 MA's), (19, 25937),

Gene: Lorde_29 Start: 25698, Stop: 25838, Start Num: 9
Candidate Starts for Lorde_29:
(Start: 9 @25698 has 117 MA's), (19, 25773),

Gene: Lucia_29 Start: 25982, Stop: 26134, Start Num: 7
Candidate Starts for Lucia_29:
(Start: 7 @25982 has 89 MA's), (Start: 10 @25997 has 11 MA's), (19, 26069),

Gene: LunaBlu_29 Start: 26100, Stop: 26240, Start Num: 9
Candidate Starts for LunaBlu_29:

(Start: 9 @26100 has 117 MA's), (19, 26175),

Gene: LunaStella_29 Start: 26164, Stop: 26301, Start Num: 10
Candidate Starts for LunaStella_29:
(Start: 10 @26164 has 11 MA's), (19, 26236),

Gene: MadMen_25 Start: 25147, Stop: 25287, Start Num: 9
Candidate Starts for MadMen_25:
(Start: 9 @25147 has 117 MA's), (19, 25222),

Gene: Madiba_26 Start: 24800, Stop: 24940, Start Num: 9
Candidate Starts for Madiba_26:
(Start: 9 @24800 has 117 MA's), (19, 24875),

Gene: Mahavrat_28 Start: 25850, Stop: 25990, Start Num: 9
Candidate Starts for Mahavrat_28:
(Start: 9 @25850 has 117 MA's), (19, 25925),

Gene: Mandlovu_28 Start: 26073, Stop: 26225, Start Num: 7
Candidate Starts for Mandlovu_28:
(Start: 7 @26073 has 89 MA's), (Start: 10 @26088 has 11 MA's), (19, 26160),

Gene: Mantra_28 Start: 25987, Stop: 26127, Start Num: 9
Candidate Starts for Mantra_28:
(Start: 9 @25987 has 117 MA's), (19, 26062),

Gene: Maravista_28 Start: 25821, Stop: 25961, Start Num: 9
Candidate Starts for Maravista_28:
(Start: 9 @25821 has 117 MA's), (19, 25896),

Gene: Marker_29 Start: 25737, Stop: 25889, Start Num: 7
Candidate Starts for Marker_29:
(Start: 7 @25737 has 89 MA's), (Start: 10 @25752 has 11 MA's), (19, 25824),

Gene: Martik_28 Start: 26066, Stop: 26206, Start Num: 9
Candidate Starts for Martik_28:
(Start: 9 @26066 has 117 MA's), (19, 26141),

Gene: Mattes_28 Start: 26045, Stop: 26179, Start Num: 9
Candidate Starts for Mattes_28:
(Start: 9 @26045 has 117 MA's), (19, 26114),

Gene: Medindi_29 Start: 25884, Stop: 26036, Start Num: 7
Candidate Starts for Medindi_29:
(Start: 7 @25884 has 89 MA's), (Start: 10 @25899 has 11 MA's), (19, 25971),

Gene: Melissauren88_28 Start: 26058, Stop: 26210, Start Num: 7
Candidate Starts for Melissauren88_28:
(Start: 7 @26058 has 89 MA's), (Start: 10 @26073 has 11 MA's), (19, 26145),

Gene: MilleniumForce_29 Start: 26835, Stop: 27002, Start Num: 7
Candidate Starts for MilleniumForce_29:
(Start: 7 @26835 has 89 MA's), (Start: 10 @26865 has 11 MA's), (19, 26937),

Gene: MinionDave_29 Start: 26258, Stop: 26398, Start Num: 9
Candidate Starts for MinionDave_29:
(Start: 9 @26258 has 117 MA's), (19, 26333),

Gene: Minnie_29 Start: 26603, Stop: 26740, Start Num: 10
Candidate Starts for Minnie_29:
(Start: 7 @26573 has 89 MA's), (Start: 10 @26603 has 11 MA's), (19, 26675),

Gene: Misha28_29 Start: 25746, Stop: 25898, Start Num: 7
Candidate Starts for Misha28_29:
(Start: 7 @25746 has 89 MA's), (Start: 10 @25761 has 11 MA's), (19, 25833),

Gene: MisterCuddles_28 Start: 25857, Stop: 25991, Start Num: 9
Candidate Starts for MisterCuddles_28:
(Start: 9 @25857 has 117 MA's), (19, 25926),

Gene: Modragons_28 Start: 25942, Stop: 26082, Start Num: 9
Candidate Starts for Modragons_28:
(Start: 9 @25942 has 117 MA's), (19, 26017),

Gene: MooMoo_26 Start: 24806, Stop: 24943, Start Num: 11
Candidate Starts for MooMoo_26:
(Start: 11 @24806 has 2 MA's), (14, 24830), (19, 24875), (21, 24908),

Gene: Moonbeam_29 Start: 26528, Stop: 26695, Start Num: 7
Candidate Starts for Moonbeam_29:
(Start: 7 @26528 has 89 MA's), (Start: 10 @26558 has 11 MA's), (19, 26630),

Gene: Mova_29 Start: 25725, Stop: 25892, Start Num: 7
Candidate Starts for Mova_29:
(Start: 7 @25725 has 89 MA's), (Start: 10 @25755 has 11 MA's), (19, 25827),

Gene: Mozy_29 Start: 25935, Stop: 26087, Start Num: 7
Candidate Starts for Mozy_29:
(Start: 7 @25935 has 89 MA's), (Start: 10 @25950 has 11 MA's), (19, 26022),

Gene: MulchExplorer_31 Start: 27010, Stop: 27150, Start Num: 9
Candidate Starts for MulchExplorer_31:
(Start: 9 @27010 has 117 MA's), (19, 27085),

Gene: Mutaforma13_28 Start: 26073, Stop: 26213, Start Num: 9
Candidate Starts for Mutaforma13_28:
(Start: 9 @26073 has 117 MA's), (19, 26148),

Gene: Mwanjiwa_28 Start: 25986, Stop: 26153, Start Num: 7
Candidate Starts for Mwanjiwa_28:
(Start: 7 @25986 has 89 MA's), (Start: 10 @26016 has 11 MA's), (19, 26088),

Gene: NewHope4_30 Start: 26075, Stop: 26242, Start Num: 7
Candidate Starts for NewHope4_30:
(Start: 7 @26075 has 89 MA's), (Start: 10 @26105 has 11 MA's), (19, 26177),

Gene: Nichirin_29 Start: 26045, Stop: 26185, Start Num: 9
Candidate Starts for Nichirin_29:
(Start: 9 @26045 has 117 MA's), (19, 26120),

Gene: Nimbo_28 Start: 25893, Stop: 26033, Start Num: 9
Candidate Starts for Nimbo_28:
(Start: 9 @25893 has 117 MA's), (19, 25968),

Gene: Nitzel_29 Start: 26607, Stop: 26747, Start Num: 9
Candidate Starts for Nitzel_29:
(Start: 9 @26607 has 117 MA's), (19, 26682),

Gene: Nivrat_28 Start: 26038, Stop: 26178, Start Num: 9
Candidate Starts for Nivrat_28:
(Start: 9 @26038 has 117 MA's), (19, 26113),

Gene: NormanBulbieJr_28 Start: 26053, Stop: 26193, Start Num: 9
Candidate Starts for NormanBulbieJr_28:
(Start: 9 @26053 has 117 MA's), (19, 26128),

Gene: OfUltron_28 Start: 26098, Stop: 26238, Start Num: 9
Candidate Starts for OfUltron_28:
(Start: 9 @26098 has 117 MA's), (19, 26173),

Gene: Ogopogo_28 Start: 25248, Stop: 25388, Start Num: 9
Candidate Starts for Ogopogo_28:
(Start: 9 @25248 has 117 MA's), (19, 25323),

Gene: Oksu_29 Start: 25942, Stop: 26082, Start Num: 9
Candidate Starts for Oksu_29:
(Start: 9 @25942 has 117 MA's), (19, 26017),

Gene: OldBen_28 Start: 25852, Stop: 25986, Start Num: 9
Candidate Starts for OldBen_28:
(Start: 9 @25852 has 117 MA's), (19, 25921),

Gene: OlympiaSaint_28 Start: 26268, Stop: 26402, Start Num: 9
Candidate Starts for OlympiaSaint_28:
(Start: 9 @26268 has 117 MA's), (19, 26337),

Gene: Ovechkin_28 Start: 26030, Stop: 26197, Start Num: 7
Candidate Starts for Ovechkin_28:
(Start: 7 @26030 has 89 MA's), (Start: 10 @26060 has 11 MA's), (19, 26132),

Gene: OwlsT2W_29 Start: 26324, Stop: 26476, Start Num: 7
Candidate Starts for OwlsT2W_29:
(Start: 7 @26324 has 89 MA's), (Start: 10 @26339 has 11 MA's), (19, 26411),

Gene: PHappiness_28 Start: 25867, Stop: 26007, Start Num: 9
Candidate Starts for PHappiness_28:
(Start: 9 @25867 has 117 MA's), (19, 25942),

Gene: PMC_28 Start: 25862, Stop: 26002, Start Num: 9

Candidate Starts for PMC_28:
(Start: 9 @25862 has 117 MA's), (19, 25937),

Gene: Pacc40_28 Start: 26042, Stop: 26182, Start Num: 9
Candidate Starts for Pacc40_28:
(Start: 9 @26042 has 117 MA's), (19, 26117),

Gene: PatoPoderoso_28 Start: 26064, Stop: 26216, Start Num: 7
Candidate Starts for PatoPoderoso_28:
(Start: 7 @26064 has 89 MA's), (Start: 10 @26079 has 11 MA's), (19, 26151),

Gene: Phalconet_28 Start: 25961, Stop: 26113, Start Num: 7
Candidate Starts for Phalconet_28:
(Start: 7 @25961 has 89 MA's), (Start: 10 @25976 has 11 MA's), (19, 26048),

Gene: Phanphagia_25 Start: 25032, Stop: 25199, Start Num: 7
Candidate Starts for Phanphagia_25:
(Start: 7 @25032 has 89 MA's), (Start: 10 @25062 has 11 MA's), (19, 25134),

Gene: Phasih_29 Start: 26431, Stop: 26571, Start Num: 9
Candidate Starts for Phasih_29:
(Start: 9 @26431 has 117 MA's), (19, 26506),

Gene: Phatniss_29 Start: 26379, Stop: 26519, Start Num: 9
Candidate Starts for Phatniss_29:
(Start: 9 @26379 has 117 MA's), (19, 26454),

Gene: PhesterPhotato_28 Start: 25881, Stop: 26033, Start Num: 7
Candidate Starts for PhesterPhotato_28:
(Start: 7 @25881 has 89 MA's), (Start: 10 @25896 has 11 MA's), (19, 25968),

Gene: Philus_28 Start: 25891, Stop: 26025, Start Num: 9
Candidate Starts for Philus_28:
(Start: 9 @25891 has 117 MA's), (19, 25960),

Gene: Piper2020_30 Start: 26484, Stop: 26618, Start Num: 9
Candidate Starts for Piper2020_30:
(Start: 9 @26484 has 117 MA's), (19, 26553),

Gene: Plumbus_29 Start: 25705, Stop: 25857, Start Num: 7
Candidate Starts for Plumbus_29:
(Start: 7 @25705 has 89 MA's), (Start: 10 @25720 has 11 MA's), (19, 25792),

Gene: Poenanya_28 Start: 25998, Stop: 26138, Start Num: 9
Candidate Starts for Poenanya_28:
(Start: 9 @25998 has 117 MA's), (19, 26073),

Gene: Polka14_29 Start: 26413, Stop: 26565, Start Num: 7
Candidate Starts for Polka14_29:
(Start: 7 @26413 has 89 MA's), (Start: 10 @26428 has 11 MA's), (19, 26500),

Gene: Pollywog_28 Start: 26127, Stop: 26267, Start Num: 9
Candidate Starts for Pollywog_28:

(Start: 9 @26127 has 117 MA's), (19, 26202),

Gene: Polo2Bam_32 Start: 26049, Stop: 26201, Start Num: 7
Candidate Starts for Polo2Bam_32:
(Start: 7 @26049 has 89 MA's), (Start: 10 @26064 has 11 MA's), (19, 26136),

Gene: PopTart_28 Start: 26073, Stop: 26240, Start Num: 7
Candidate Starts for PopTart_28:
(Start: 7 @26073 has 89 MA's), (Start: 10 @26103 has 11 MA's), (19, 26175),

Gene: Priscilla_28 Start: 26082, Stop: 26216, Start Num: 9
Candidate Starts for Priscilla_28:
(Start: 9 @26082 has 117 MA's), (19, 26151),

Gene: QuickMath_29 Start: 27234, Stop: 27374, Start Num: 9
Candidate Starts for QuickMath_29:
(Start: 9 @27234 has 117 MA's), (19, 27309),

Gene: Quico_29 Start: 25697, Stop: 25840, Start Num: 7
Candidate Starts for Quico_29:
(Start: 7 @25697 has 89 MA's), (Start: 10 @25703 has 11 MA's), (19, 25775),

Gene: Radiance_28 Start: 25990, Stop: 26124, Start Num: 9
Candidate Starts for Radiance_28:
(Start: 9 @25990 has 117 MA's), (19, 26059),

Gene: Ramsey_29 Start: 25906, Stop: 26058, Start Num: 7
Candidate Starts for Ramsey_29:
(Start: 7 @25906 has 89 MA's), (Start: 10 @25921 has 11 MA's), (19, 25993),

Gene: RedBird_28 Start: 25808, Stop: 25948, Start Num: 9
Candidate Starts for RedBird_28:
(Start: 9 @25808 has 117 MA's), (19, 25883),

Gene: Renaud18_28 Start: 26074, Stop: 26214, Start Num: 9
Candidate Starts for Renaud18_28:
(Start: 9 @26074 has 117 MA's), (19, 26149),

Gene: Rita_28 Start: 25888, Stop: 26028, Start Num: 9
Candidate Starts for Rita_28:
(Start: 9 @25888 has 117 MA's), (19, 25963),

Gene: RitaG_28 Start: 26097, Stop: 26231, Start Num: 9
Candidate Starts for RitaG_28:
(Start: 9 @26097 has 117 MA's), (19, 26166),

Gene: Rockne_28 Start: 25862, Stop: 26002, Start Num: 9
Candidate Starts for Rockne_28:
(Start: 9 @25862 has 117 MA's), (19, 25937),

Gene: RockyHorror_29 Start: 25730, Stop: 25897, Start Num: 7
Candidate Starts for RockyHorror_29:
(Start: 7 @25730 has 89 MA's), (Start: 10 @25760 has 11 MA's), (19, 25832),

Gene: Royals2015_28 Start: 25953, Stop: 26120, Start Num: 7
Candidate Starts for Royals2015_28:
(Start: 7 @25953 has 89 MA's), (Start: 10 @25983 has 11 MA's), (19, 26055),

Gene: Ruby_28 Start: 25857, Stop: 25991, Start Num: 9
Candidate Starts for Ruby_28:
(Start: 9 @25857 has 117 MA's), (19, 25926),

Gene: SG4_28 Start: 26181, Stop: 26348, Start Num: 7
Candidate Starts for SG4_28:
(Start: 7 @26181 has 89 MA's), (Start: 10 @26211 has 11 MA's), (19, 26283),

Gene: Saal_28 Start: 25869, Stop: 26003, Start Num: 9
Candidate Starts for Saal_28:
(Start: 9 @25869 has 117 MA's), (19, 25938),

Gene: Sabbb_29 Start: 26215, Stop: 26349, Start Num: 9
Candidate Starts for Sabbb_29:
(Start: 9 @26215 has 117 MA's), (19, 26284),

Gene: Sandalphon_29 Start: 26600, Stop: 26734, Start Num: 9
Candidate Starts for Sandalphon_29:
(Start: 9 @26600 has 117 MA's), (19, 26669),

Gene: Sassafras_28 Start: 26013, Stop: 26147, Start Num: 9
Candidate Starts for Sassafras_28:
(Start: 9 @26013 has 117 MA's), (19, 26082),

Gene: SassyB_28 Start: 26073, Stop: 26240, Start Num: 7
Candidate Starts for SassyB_28:
(Start: 7 @26073 has 89 MA's), (Start: 10 @26103 has 11 MA's), (19, 26175),

Gene: Scottish_29 Start: 27190, Stop: 27330, Start Num: 9
Candidate Starts for Scottish_29:
(Start: 9 @27190 has 117 MA's), (19, 27265),

Gene: SeaLumen_31 Start: 26049, Stop: 26201, Start Num: 7
Candidate Starts for SeaLumen_31:
(Start: 7 @26049 has 89 MA's), (Start: 10 @26064 has 11 MA's), (19, 26136),

Gene: Seabastian_28 Start: 26098, Stop: 26238, Start Num: 9
Candidate Starts for Seabastian_28:
(Start: 9 @26098 has 117 MA's), (19, 26173),

Gene: Seagreen_29 Start: 25880, Stop: 26047, Start Num: 7
Candidate Starts for Seagreen_29:
(Start: 7 @25880 has 89 MA's), (Start: 10 @25910 has 11 MA's), (19, 25982),

Gene: Shauna1_25 Start: 25035, Stop: 25202, Start Num: 7
Candidate Starts for Shauna1_25:
(Start: 7 @25035 has 89 MA's), (Start: 10 @25065 has 11 MA's), (19, 25137),

Gene: ShiLan_28 Start: 26065, Stop: 26205, Start Num: 9
Candidate Starts for ShiLan_28:
(Start: 9 @26065 has 117 MA's), (19, 26140),

Gene: ShowerHandel_28 Start: 26066, Stop: 26206, Start Num: 9
Candidate Starts for ShowerHandel_28:
(Start: 9 @26066 has 117 MA's), (19, 26141),

Gene: ShroomBoi_25 Start: 24925, Stop: 25092, Start Num: 7
Candidate Starts for ShroomBoi_25:
(Start: 7 @24925 has 89 MA's), (Start: 10 @24955 has 11 MA's), (19, 25027),

Gene: SiSi_28 Start: 25864, Stop: 26004, Start Num: 9
Candidate Starts for SiSi_28:
(Start: 9 @25864 has 117 MA's), (19, 25939),

Gene: SilverChicken_35 Start: 25765, Stop: 25902, Start Num: 10
Candidate Starts for SilverChicken_35:
(Start: 7 @25735 has 89 MA's), (Start: 10 @25765 has 11 MA's), (19, 25837),

Gene: SimranZ1_29 Start: 25717, Stop: 25854, Start Num: 9
Candidate Starts for SimranZ1_29:
(Start: 9 @25717 has 117 MA's), (19, 25792), (20, 25810),

Gene: Soul22_32 Start: 25415, Stop: 25555, Start Num: 9
Candidate Starts for Soul22_32:
(Start: 9 @25415 has 117 MA's), (19, 25490),

Gene: Sparkdehlily_28 Start: 25915, Stop: 26049, Start Num: 9
Candidate Starts for Sparkdehlily_28:
(Start: 9 @25915 has 117 MA's), (19, 25984),

Gene: Spartacus_29 Start: 26108, Stop: 26275, Start Num: 7
Candidate Starts for Spartacus_29:
(Start: 7 @26108 has 89 MA's), (Start: 10 @26138 has 11 MA's), (19, 26210),

Gene: Spikelee_29 Start: 25856, Stop: 26023, Start Num: 7
Candidate Starts for Spikelee_29:
(Start: 7 @25856 has 89 MA's), (Start: 10 @25886 has 11 MA's), (19, 25958),

Gene: Spoonbill_28 Start: 26079, Stop: 26213, Start Num: 9
Candidate Starts for Spoonbill_28:
(Start: 9 @26079 has 117 MA's), (19, 26148),

Gene: Stap_29 Start: 26038, Stop: 26178, Start Num: 9
Candidate Starts for Stap_29:
(Start: 9 @26038 has 117 MA's), (19, 26113),

Gene: Strokeseat_28 Start: 26130, Stop: 26282, Start Num: 7
Candidate Starts for Strokeseat_28:
(Start: 7 @26130 has 89 MA's), (Start: 10 @26145 has 11 MA's), (19, 26217),

Gene: SuperGrey_28 Start: 26610, Stop: 26750, Start Num: 9

Candidate Starts for SuperGrey_28:
(Start: 9 @26610 has 117 MA's), (19, 26685),

Gene: SwagPigglett_28 Start: 25877, Stop: 26017, Start Num: 9
Candidate Starts for SwagPigglett_28:
(Start: 9 @25877 has 117 MA's), (19, 25952),

Gene: TChen_27 Start: 26165, Stop: 26302, Start Num: 10
Candidate Starts for TChen_27:
(Start: 10 @26165 has 11 MA's), (19, 26237),

Gene: TDanisky_28 Start: 25915, Stop: 26049, Start Num: 9
Candidate Starts for TDanisky_28:
(Start: 9 @25915 has 117 MA's), (19, 25984),

Gene: Taj_28 Start: 26060, Stop: 26227, Start Num: 7
Candidate Starts for Taj_28:
(Start: 7 @26060 has 89 MA's), (Start: 10 @26090 has 11 MA's), (19, 26162),

Gene: ThetaBob_27 Start: 25254, Stop: 25394, Start Num: 9
Candidate Starts for ThetaBob_27:
(Start: 9 @25254 has 117 MA's), (19, 25329),

Gene: TootsiePop_29 Start: 25746, Stop: 25898, Start Num: 7
Candidate Starts for TootsiePop_29:
(Start: 7 @25746 has 89 MA's), (Start: 10 @25761 has 11 MA's), (19, 25833),

Gene: Tootsieroll_29 Start: 25869, Stop: 26021, Start Num: 7
Candidate Starts for Tootsieroll_29:
(Start: 7 @25869 has 89 MA's), (Start: 10 @25884 has 11 MA's), (19, 25956),

Gene: Topiatin_31 Start: 26560, Stop: 26700, Start Num: 9
Candidate Starts for Topiatin_31:
(Start: 9 @26560 has 117 MA's), (19, 26635),

Gene: Totinger_29 Start: 25797, Stop: 25931, Start Num: 9
Candidate Starts for Totinger_29:
(Start: 9 @25797 has 117 MA's), (19, 25866),

Gene: Tweety_28 Start: 26076, Stop: 26228, Start Num: 7
Candidate Starts for Tweety_28:
(Start: 7 @26076 has 89 MA's), (Start: 10 @26091 has 11 MA's), (19, 26163),

Gene: UncleRicky_31 Start: 27195, Stop: 27335, Start Num: 9
Candidate Starts for UncleRicky_31:
(Start: 9 @27195 has 117 MA's), (19, 27270),

Gene: VRedHorse_28 Start: 26083, Stop: 26235, Start Num: 7
Candidate Starts for VRedHorse_28:
(Start: 7 @26083 has 89 MA's), (Start: 10 @26098 has 11 MA's), (19, 26170),

Gene: Veteran_28 Start: 25894, Stop: 26034, Start Num: 9
Candidate Starts for Veteran_28:

(Start: 9 @25894 has 117 MA's), (19, 25969),

Gene: Violac_29 Start: 26576, Stop: 26728, Start Num: 7
Candidate Starts for Violac_29:
(Start: 7 @26576 has 89 MA's), (Start: 10 @26591 has 11 MA's), (19, 26663),

Gene: Vivum_28 Start: 25795, Stop: 25962, Start Num: 7
Candidate Starts for Vivum_28:
(Start: 7 @25795 has 89 MA's), (Start: 10 @25825 has 11 MA's), (19, 25897),

Gene: Wachhund_28 Start: 26049, Stop: 26189, Start Num: 9
Candidate Starts for Wachhund_28:
(Start: 9 @26049 has 117 MA's), (19, 26124),

Gene: Wee_29 Start: 26598, Stop: 26765, Start Num: 7
Candidate Starts for Wee_29:
(Start: 7 @26598 has 89 MA's), (Start: 10 @26628 has 11 MA's), (19, 26700),

Gene: Whatsapiecost_28 Start: 26075, Stop: 26215, Start Num: 9
Candidate Starts for Whatsapiecost_28:
(Start: 9 @26075 has 117 MA's), (19, 26150),

Gene: Whouxphf_28 Start: 26134, Stop: 26274, Start Num: 9
Candidate Starts for Whouxphf_28:
(Start: 9 @26134 has 117 MA's), (19, 26209),

Gene: WillSterrel_29 Start: 27241, Stop: 27408, Start Num: 7
Candidate Starts for WillSterrel_29:
(Start: 7 @27241 has 89 MA's), (Start: 10 @27271 has 11 MA's), (19, 27343),

Gene: XFactor_28 Start: 26030, Stop: 26182, Start Num: 7
Candidate Starts for XFactor_28:
(Start: 7 @26030 has 89 MA's), (Start: 10 @26045 has 11 MA's), (19, 26117),

Gene: Yorick_28 Start: 26064, Stop: 26204, Start Num: 9
Candidate Starts for Yorick_28:
(Start: 9 @26064 has 117 MA's), (19, 26139),

Gene: Zapner_34 Start: 26243, Stop: 26380, Start Num: 10
Candidate Starts for Zapner_34:
(3, 26087), (Start: 10 @26243 has 11 MA's), (19, 26315),

Gene: Zerg_28 Start: 25839, Stop: 26006, Start Num: 7
Candidate Starts for Zerg_28:
(Start: 7 @25839 has 89 MA's), (Start: 10 @25869 has 11 MA's), (19, 25941),

Gene: Zizzle_28 Start: 26008, Stop: 26148, Start Num: 9
Candidate Starts for Zizzle_28:
(Start: 9 @26008 has 117 MA's), (19, 26083),