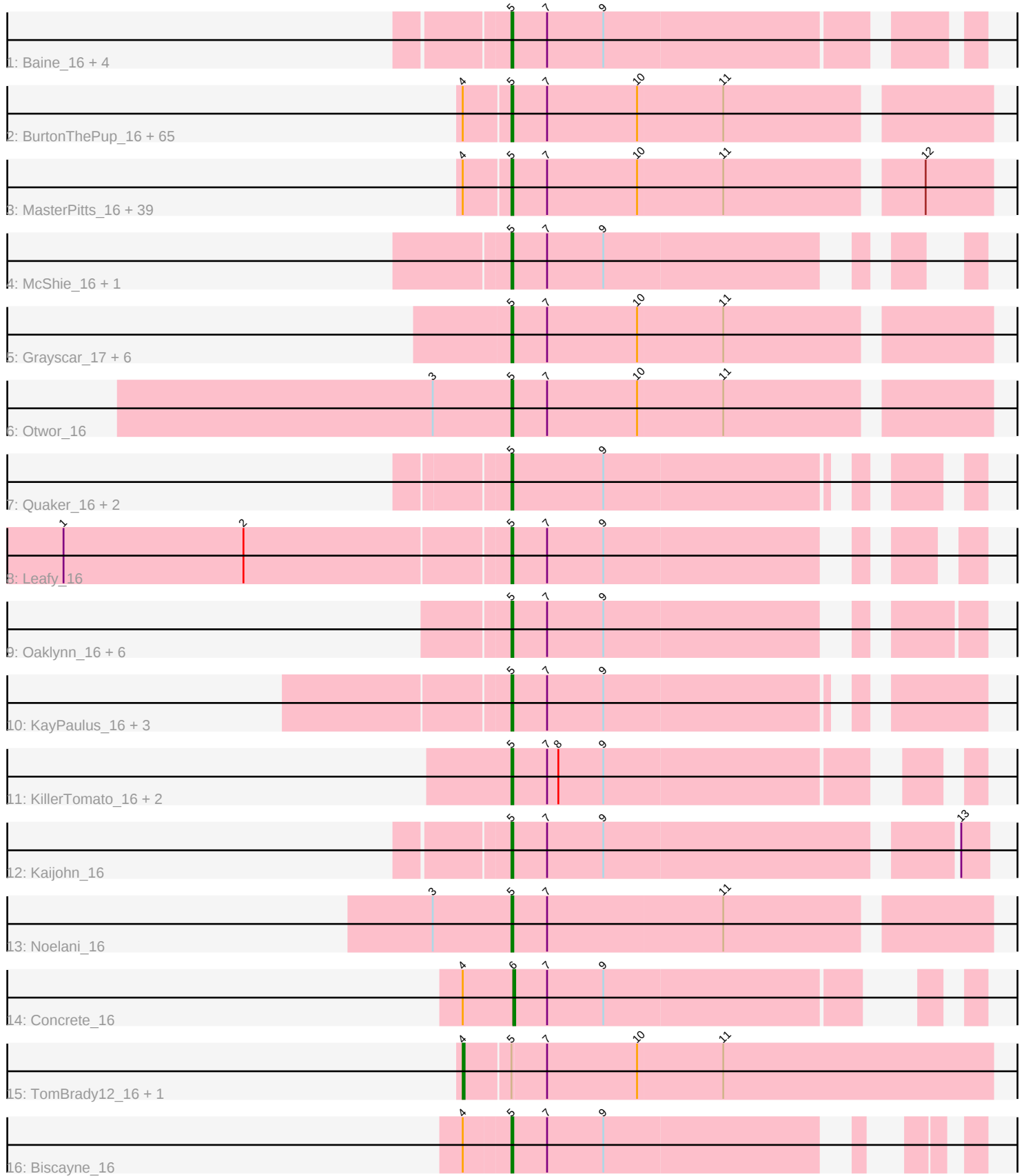


Pham 274073



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 274073 Report

This analysis was run 02/07/26 on database version 634.

Pham number 274073 has 145 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Baine_16, Lola20_16, Anseraureola_16, Cayde6_16, Loca_16
- Track 2 : BurtonThePup_16, Miaurora_16, Snuffles_17, JaimeB_16, Lunatic_16, Goobery_16, Mauilvory_16, LionelHutz_16, Nobel_16, Gabbspett_16, Publix_16, MirimarMandM_16, Rhogar_16, Hernandez44_16, Namsahir_17, Stem_16, PuffyCat_16, Owens_16, Trackstar_16, HeadMave_16, Tyrellus_17, Ciel_16, JooneeDee_16, NeumannU_16, Danno_16, BinkBonk_16, TimoTea_16, Hulk_16, Rira_16, SantasSleigh_16, Bintii_16, ELee24_16, Ekko14_16, Slentz_16, Bullzi2019_16, Godfather_16, TinyTruffula_16, Luxx_16, HarperAnne_16, Scrunchy_16, Jella_17, Eightball_16, Clownery_16, Cazares_16, Aries55_16, IzzyPants24_16, Maneater_16, Scamander_16, Niffler_16, Majesty_16, Picconator_17, Sage7_16, BarBear_16, Kojax4_16, Trireme_16, Astro16_16, Yami_16, VitulaEligans_16, TeddyBoy_16, Upsilon_16, Avvas_16, Elspeth_16, Zahlia_16, Burgy_16, Slizam_16, PoRanda_16
- Track 3 : MasterPitts_16, Octopus_16, Madebyisha_16, Alucard_16, EdElric_16, YertPhresh_16, Puddles3_17, Bradley2_16, Horacetta_16, SeaWolves_16, Erin_16, Jahseh_16, PaoPu_16, Aztec_16, Danimal_16, Chatham_16, Picnic_16, DirtPie_16, Gardevoir_16, Goulash_17, GoldenBlanche_16, Dooby_16, Minima_16, LemonPepper_16, ManAs_16, Jerky_16, KyriosFaba_16, OdetoJoy_19, Gillker_16, Pondwater_16, Sachet_17, JoBros_16, Yasuo_16, Marichuy_17, Myram_16, Dongwon_16, DaftyDuck_16, Sara_16, Witch_16, Yubaba_16
- Track 4 : McShie_16, Belthelas_16
- Track 5 : Grayscar_17, Jannah_16, Rhysand_16, Vanisius_16, Josuke_16, Cheesecake_16, LaviMo_16
- Track 6 : Otwor_16
- Track 7 : Quaker_16, Douggie_16, Livingwater_16
- Track 8 : Leafy_16
- Track 9 : Oaklynn_16, MelBee03_16, JRok_16, MrGreen_16, Azizam_16, BrokMonster_16, Kevanna_16
- Track 10 : KayPaulus_16, Wolfpack_16, Sippinontea_16, Bodhi17_16
- Track 11 : KillerTomato_16, Bri160_16, BoomRoasted_16
- Track 12 : Kaijohn_16
- Track 13 : Noelani_16
- Track 14 : Concrete_16
- Track 15 : TomBrady12_16, RoscoWindex_16
- Track 16 : Biscayne_16

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

The start number called the most often in the published annotations is 5, it was called in 130 of the 133 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alucard_16, Anseraureola_16, Aries55_16, Astro16_16, Avvas_16, Azizam_16, Aztec_16, Baine_16, BarBear_16, Belthelas_16, BinkBonk_16, Binti_16, Biscayne_16, Bodhi17_16, BoomRoasted_16, Bradley2_16, Bri160_16, BrokMonster_16, Bullzi2019_16, Burgy_16, BurtonThePup_16, Cayde6_16, Cazares_16, Chatham_16, Cheesecake_16, Ciel_16, Clownery_16, DaftyDuck_16, Danimal_16, Danno_16, DirtPie_16, Dongwon_16, Dooby_16, Douggy_16, ELee24_16, EdElric_16, Eightball_16, Ekko14_16, Elspeth_16, Erin_16, Gabbspett_16, Gardevoir_16, Gillker_16, Godfather_16, GoldenBlanche_16, Goobery_16, Goulash_17, Grayscar_17, HarperAnne_16, HeadMave_16, Hernandez44_16, Horacetta_16, Hulk_16, IzzyPants24_16, JRok_16, Jahseh_16, JaimeB_16, Jannah_16, Jella_17, Jerky_16, JoBros_16, JooneeDee_16, Josuke_16, Kaijohn_16, KayPaulus_16, Kevanna_16, KillerTomato_16, Kojax4_16, KyriosFaba_16, LaviMo_16, Leafy_16, LemonPepper_16, LionelHutz_16, Livingwater_16, Loca_16, Lola20_16, Lunatic_16, Luxx_16, Madebyisha_16, Majesty_16, ManAs_16, Maneater_16, Marichuy_17, MasterPitts_16, Mauilvory_16, McShie_16, MelBee03_16, Miaurora_16, Minima_16, MirimarMandM_16, MrGreen_16, Myram_16, Namsahir_17, NeumannU_16, Niffler_16, Nobel_16, Noelani_16, Oaklynn_16, Octopus_16, OdetoJoy_19, Otwor_16, Owens_16, PaoPu_16, Picconator_17, Picnic_16, PoRanda_16, Pondwater_16, Publix_16, Puddles3_17, PuffyCat_16, Quaker_16, Rhogar_16, Rhysand_16, Rira_16, Sachet_17, Sage7_16, SantasSleigh_16, Sara_16, Scamander_16, Scrunchy_16, SeaWolves_16, Sippinontea_16, Slentz_16, Slizam_16, Snuffles_17, Stem_16, TeddyBoy_16, TimoTea_16, TinyTruffula_16, Trackstar_16, Trirème_16, Tyrellus_17, Upsilon_16, Vanisius_16, VitulaEligans_16, Witch_16, Wolfpack_16, Yami_16, Yasuo_16, YertPhresh_16, Yubaba_16, Zahlia_16,

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

- RoscoWindex_16, TomBrady12_16,

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

- Concrete_16,

Summary by start number:

Start 4:

- Found in 110 of 145 (75.9%) of genes in pham
- Manual Annotations of this start: 2 of 133
- Called 1.8% of time when present
- Phage (with cluster) where this start called: RoscoWindex_16 (EE), TomBrady12_16 (EE),

Start 5:

- Found in 144 of 145 (99.3%) of genes in pham
- Manual Annotations of this start: 130 of 133
- Called 98.6% of time when present

- Phage (with cluster) where this start called: Alucard_16 (EE), Anseraureola_16 (EE), Aries55_16 (EE), Astro16_16 (EE), Avvas_16 (EE), Azizam_16 (EE), Aztec_16 (EE), Baine_16 (EE), BarBear_16 (EE), Belthelas_16 (EE), BinkBonk_16 (EE), Binti_16 (EE), Biscayne_16 (EE), Bodhi17_16 (EE), BoomRoasted_16 (EE), Bradley2_16 (EE), Bri160_16 (EE), BrokMonster_16 (EE), Bullzi2019_16 (EE), Burgy_16 (EE), BurtonThePup_16 (EE), Cayde6_16 (EE), Cazares_16 (EE), Chatham_16 (EE), Cheesecake_16 (EE), Ciel_16 (EE), Clownery_16 (EE), DaftyDuck_16 (EE), Danimal_16 (EE), Danno_16 (EE), DirtPie_16 (EE), Dongwon_16 (EE), Dooby_16 (EE), Douggie_16 (EE), ELee24_16 (EE), EdElric_16 (EE), Eightball_16 (EE), Ekko14_16 (EE), Elspeth_16 (EE), Erin_16 (EE), Gabbspett_16 (EE), Gardevoir_16 (EE), Gillker_16 (EE), Godfather_16 (EE), GoldenBlanche_16 (EE), Goobery_16 (EE), Goulash_17 (EE), Grayscar_17 (EE), HarperAnne_16 (EE), HeadMave_16 (EE), Hernandez44_16 (EE), Horacetta_16 (EE), Hulk_16 (EE), IzzyPants24_16 (EE), JRok_16 (EE), Jahseh_16 (EE), JaimeB_16 (EE), Jannah_16 (EE), Jella_17 (EE), Jerky_16 (EE), JoBros_16 (EE), JooneeDee_16 (EE), Josuke_16 (EE), Kaijohn_16 (EE), KayPaulus_16 (EE), Kevanna_16 (EE), KillerTomato_16 (EE), Kojax4_16 (EE), KyriosFaba_16 (EE), LaviMo_16 (EE), Leafy_16 (EE), LemonPepper_16 (EE), LionelHutz_16 (EE), Livingwater_16 (EE), Loca_16 (EE), Lola20_16 (EE), Lunatic_16 (EE), Luxx_16 (EE), Madebyisha_16 (EE), Majesty_16 (EE), ManAs_16 (EE), Maneater_16 (EE), Marichuy_17 (EE), MasterPitts_16 (EE), Mauilvory_16 (EE), McShie_16 (EE), MelBee03_16 (EE), Miaurora_16 (EE), Minima_16 (EE), MirimarMandM_16 (EE), MrGreen_16 (EE), Myram_16 (EE), Namsahir_17 (EE), NeumannU_16 (EE), Niffler_16 (EE), Nobel_16 (EE), Noelani_16 (EE), Oaklynn_16 (EE), Octopus_16 (EE), OdetoJoy_19 (EE), Otwor_16 (EE), Owens_16 (EE), PaoPu_16 (EE), Picconator_17 (EE), Picnic_16 (EE), PoRanda_16 (EE), Pondwater_16 (EE), Publix_16 (EE), Puddles3_17 (EE), PuffyCat_16 (EE), Quaker_16 (EE), Rhogar_16 (EE), Rhysand_16 (EE), Rira_16 (EE), Sachet_17 (EE), Sage7_16 (EE), SantasSleigh_16 (EE), Sara_16 (EE), Scamander_16 (EE), Scrunchy_16 (EE), SeaWolves_16 (EE), Sippinontea_16 (EE), Slentz_16 (EE), Slizam_16 (EE), Snuffles_17 (EE), Stem_16 (EE), TeddyBoy_16 (EE), TimoTea_16 (EE), TinyTruffula_16 (EE), Trackstar_16 (EE), Trireme_16 (EE), Tyrellus_17 (EE), Upsilon_16 (EE), Vanisius_16 (EE), VitulaEligans_16 (EE), Witch_16 (EE), Wolfpack_16 (EE), Yami_16 (EE), Yasuo_16 (EE), YertPhresh_16 (EE), Yubaba_16 (EE), Zahlia_16 (EE),

Start 6:

- Found in 1 of 145 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 133
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Concrete_16 (EE),

Summary by clusters:

There is one cluster represented in this pham: EE

Info for manual annotations of cluster EE:

- Start number 4 was manually annotated 2 times for cluster EE.
- Start number 5 was manually annotated 130 times for cluster EE.
- Start number 6 was manually annotated 1 time for cluster EE.

Gene Information:

Gene: Alucard_16 Start: 13258, Stop: 13545, Start Num: 5

Candidate Starts for Alucard_16:

(Start: 4 @13234 has 2 MA's), (Start: 5 @13258 has 130 MA's), (7, 13276), (10, 13324), (11, 13369), (12, 13465),

Gene: Anseraureola_16 Start: 13311, Stop: 13595, Start Num: 5

Candidate Starts for Anseraureola_16:

(Start: 5 @13311 has 130 MA's), (7, 13329), (9, 13359),

Gene: Aries55_16 Start: 13335, Stop: 13622, Start Num: 5

Candidate Starts for Aries55_16:

(Start: 4 @13311 has 2 MA's), (Start: 5 @13335 has 130 MA's), (7, 13353), (10, 13401), (11, 13446),

Gene: Astro16_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for Astro16_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Avvas_16 Start: 13335, Stop: 13622, Start Num: 5

Candidate Starts for Avvas_16:

(Start: 4 @13311 has 2 MA's), (Start: 5 @13335 has 130 MA's), (7, 13353), (10, 13401), (11, 13446),

Gene: Azizam_16 Start: 13281, Stop: 13544, Start Num: 5

Candidate Starts for Azizam_16:

(Start: 5 @13281 has 130 MA's), (7, 13299), (9, 13329),

Gene: Aztec_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Aztec_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Baine_16 Start: 13286, Stop: 13558, Start Num: 5

Candidate Starts for Baine_16:

(Start: 5 @13286 has 130 MA's), (7, 13304), (9, 13334),

Gene: BarBear_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for BarBear_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Belthelas_16 Start: 13404, Stop: 13670, Start Num: 5

Candidate Starts for Belthelas_16:

(Start: 5 @13404 has 130 MA's), (7, 13422), (9, 13452),

Gene: BinkBonk_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for BinkBonk_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Bintii_16 Start: 13343, Stop: 13630, Start Num: 5

Candidate Starts for Bintii_16:

(Start: 4 @13319 has 2 MA's), (Start: 5 @13343 has 130 MA's), (7, 13361), (10, 13409), (11, 13454),

Gene: Biscayne_16 Start: 13423, Stop: 13665, Start Num: 5

Candidate Starts for Biscayne_16:

(Start: 4 @13399 has 2 MA's), (Start: 5 @13423 has 130 MA's), (7, 13441), (9, 13471),

Gene: Bodhi17_16 Start: 13345, Stop: 13641, Start Num: 5

Candidate Starts for Bodhi17_16:

(Start: 5 @13345 has 130 MA's), (7, 13363), (9, 13393),

Gene: BoomRoasted_16 Start: 13334, Stop: 13609, Start Num: 5

Candidate Starts for BoomRoasted_16:

(Start: 5 @13334 has 130 MA's), (7, 13352), (8, 13358), (9, 13382),

Gene: Bradley2_16 Start: 13256, Stop: 13543, Start Num: 5

Candidate Starts for Bradley2_16:

(Start: 4 @13232 has 2 MA's), (Start: 5 @13256 has 130 MA's), (7, 13274), (10, 13322), (11, 13367), (12, 13463),

Gene: Bri160_16 Start: 13333, Stop: 13596, Start Num: 5

Candidate Starts for Bri160_16:

(Start: 5 @13333 has 130 MA's), (7, 13351), (8, 13357), (9, 13381),

Gene: BrokMonster_16 Start: 13348, Stop: 13593, Start Num: 5

Candidate Starts for BrokMonster_16:

(Start: 5 @13348 has 130 MA's), (7, 13366), (9, 13396),

Gene: Bullzi2019_16 Start: 12816, Stop: 13115, Start Num: 5

Candidate Starts for Bullzi2019_16:

(Start: 4 @12792 has 2 MA's), (Start: 5 @12816 has 130 MA's), (7, 12834), (10, 12882), (11, 12927),

Gene: Burgy_16 Start: 13335, Stop: 13622, Start Num: 5

Candidate Starts for Burgy_16:

(Start: 4 @13311 has 2 MA's), (Start: 5 @13335 has 130 MA's), (7, 13353), (10, 13401), (11, 13446),

Gene: BurtonThePup_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for BurtonThePup_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Cayde6_16 Start: 13286, Stop: 13558, Start Num: 5

Candidate Starts for Cayde6_16:

(Start: 5 @13286 has 130 MA's), (7, 13304), (9, 13334),

Gene: Cazares_16 Start: 12786, Stop: 13085, Start Num: 5

Candidate Starts for Cazares_16:

(Start: 4 @12762 has 2 MA's), (Start: 5 @12786 has 130 MA's), (7, 12804), (10, 12852), (11, 12897),

Gene: Chatham_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Chatham_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Cheesecake_16 Start: 13336, Stop: 13623, Start Num: 5

Candidate Starts for Cheesecake_16:

(Start: 5 @13336 has 130 MA's), (7, 13354), (10, 13402), (11, 13447),

Gene: Ciel_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for Ciel_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Clownery_16 Start: 12903, Stop: 13202, Start Num: 5

Candidate Starts for Clownery_16:

(Start: 4 @12879 has 2 MA's), (Start: 5 @12903 has 130 MA's), (7, 12921), (10, 12969), (11, 13014),

Gene: Concrete_16 Start: 13335, Stop: 13586, Start Num: 6

Candidate Starts for Concrete_16:

(Start: 4 @13308 has 2 MA's), (Start: 6 @13335 has 1 MA's), (7, 13353), (9, 13383),

Gene: DaftyDuck_16 Start: 13266, Stop: 13553, Start Num: 5

Candidate Starts for DaftyDuck_16:

(Start: 4 @13242 has 2 MA's), (Start: 5 @13266 has 130 MA's), (7, 13284), (10, 13332), (11, 13377), (12, 13473),

Gene: Danimal_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Danimal_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Danno_16 Start: 13335, Stop: 13622, Start Num: 5

Candidate Starts for Danno_16:

(Start: 4 @13311 has 2 MA's), (Start: 5 @13335 has 130 MA's), (7, 13353), (10, 13401), (11, 13446),

Gene: DirtPie_16 Start: 13359, Stop: 13646, Start Num: 5

Candidate Starts for DirtPie_16:

(Start: 4 @13335 has 2 MA's), (Start: 5 @13359 has 130 MA's), (7, 13377), (10, 13425), (11, 13470), (12, 13566),

Gene: Dongwon_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Dongwon_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Dooby_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Dooby_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Douggie_16 Start: 13344, Stop: 13601, Start Num: 5

Candidate Starts for Douggie_16:

(Start: 5 @13344 has 130 MA's), (9, 13392),

Gene: ELee24_16 Start: 13294, Stop: 13575, Start Num: 5

Candidate Starts for ELee24_16:

(Start: 4 @13270 has 2 MA's), (Start: 5 @13294 has 130 MA's), (7, 13312), (10, 13360), (11, 13405),

Gene: EdElric_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for EdElric_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Eightball_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for Eightball_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Ekko14_16 Start: 12784, Stop: 13083, Start Num: 5

Candidate Starts for Ekko14_16:

(Start: 4 @12760 has 2 MA's), (Start: 5 @12784 has 130 MA's), (7, 12802), (10, 12850), (11, 12895),

Gene: Elspeth_16 Start: 12784, Stop: 13083, Start Num: 5

Candidate Starts for Elspeth_16:

(Start: 4 @12760 has 2 MA's), (Start: 5 @12784 has 130 MA's), (7, 12802), (10, 12850), (11, 12895),

Gene: Erin_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Erin_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Gabbspett_16 Start: 13361, Stop: 13648, Start Num: 5

Candidate Starts for Gabbspett_16:

(Start: 4 @13337 has 2 MA's), (Start: 5 @13361 has 130 MA's), (7, 13379), (10, 13427), (11, 13472),

Gene: Gardevoir_16 Start: 13291, Stop: 13578, Start Num: 5

Candidate Starts for Gardevoir_16:

(Start: 4 @13267 has 2 MA's), (Start: 5 @13291 has 130 MA's), (7, 13309), (10, 13357), (11, 13402), (12, 13498),

Gene: Gillker_16 Start: 13256, Stop: 13543, Start Num: 5

Candidate Starts for Gillker_16:

(Start: 4 @13232 has 2 MA's), (Start: 5 @13256 has 130 MA's), (7, 13274), (10, 13322), (11, 13367), (12, 13463),

Gene: Godfather_16 Start: 13335, Stop: 13622, Start Num: 5

Candidate Starts for Godfather_16:

(Start: 4 @13311 has 2 MA's), (Start: 5 @13335 has 130 MA's), (7, 13353), (10, 13401), (11, 13446),

Gene: GoldenBlanche_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for GoldenBlanche_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Goobery_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for Goobery_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Goulash_17 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Goulash_17:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Grayscar_17 Start: 13336, Stop: 13623, Start Num: 5

Candidate Starts for Grayscar_17:

(Start: 5 @13336 has 130 MA's), (7, 13354), (10, 13402), (11, 13447),

Gene: HarperAnne_16 Start: 12783, Stop: 13082, Start Num: 5

Candidate Starts for HarperAnne_16:

(Start: 4 @12759 has 2 MA's), (Start: 5 @12783 has 130 MA's), (7, 12801), (10, 12849), (11, 12894),

Gene: HeadMave_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for HeadMave_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Hernandez44_16 Start: 13361, Stop: 13648, Start Num: 5

Candidate Starts for Hernandez44_16:

(Start: 4 @13337 has 2 MA's), (Start: 5 @13361 has 130 MA's), (7, 13379), (10, 13427), (11, 13472),

Gene: Horacetta_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Horacetta_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368),
(12, 13464),

Gene: Hulk_16 Start: 13273, Stop: 13560, Start Num: 5

Candidate Starts for Hulk_16:

(Start: 4 @13249 has 2 MA's), (Start: 5 @13273 has 130 MA's), (7, 13291), (10, 13339), (11, 13384),

Gene: IzzyPants24_16 Start: 12834, Stop: 13133, Start Num: 5

Candidate Starts for IzzyPants24_16:

(Start: 4 @12810 has 2 MA's), (Start: 5 @12834 has 130 MA's), (7, 12852), (10, 12900), (11, 12945),

Gene: JRok_16 Start: 13278, Stop: 13541, Start Num: 5

Candidate Starts for JRok_16:

(Start: 5 @13278 has 130 MA's), (7, 13296), (9, 13326),

Gene: Jahseh_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Jahseh_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368),
(12, 13464),

Gene: JaimeB_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for JaimeB_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Jannah_16 Start: 13324, Stop: 13611, Start Num: 5

Candidate Starts for Jannah_16:

(Start: 5 @13324 has 130 MA's), (7, 13342), (10, 13390), (11, 13435),

Gene: Jella_17 Start: 13347, Stop: 13634, Start Num: 5

Candidate Starts for Jella_17:

(Start: 4 @13323 has 2 MA's), (Start: 5 @13347 has 130 MA's), (7, 13365), (10, 13413), (11, 13458),

Gene: Jerky_16 Start: 13410, Stop: 13697, Start Num: 5

Candidate Starts for Jerky_16:

(Start: 4 @13386 has 2 MA's), (Start: 5 @13410 has 130 MA's), (7, 13428), (10, 13476), (11, 13521),
(12, 13617),

Gene: JoBros_16 Start: 13258, Stop: 13545, Start Num: 5

Candidate Starts for JoBros_16:

(Start: 4 @13234 has 2 MA's), (Start: 5 @13258 has 130 MA's), (7, 13276), (10, 13324), (11, 13369), (12, 13465),

Gene: JooneeDee_16 Start: 13343, Stop: 13630, Start Num: 5

Candidate Starts for JooneeDee_16:

(Start: 4 @13319 has 2 MA's), (Start: 5 @13343 has 130 MA's), (7, 13361), (10, 13409), (11, 13454),

Gene: Josuke_16 Start: 13336, Stop: 13623, Start Num: 5

Candidate Starts for Josuke_16:

(Start: 5 @13336 has 130 MA's), (7, 13354), (10, 13402), (11, 13447),

Gene: Kaijohn_16 Start: 13293, Stop: 13571, Start Num: 5

Candidate Starts for Kaijohn_16:

(Start: 5 @13293 has 130 MA's), (7, 13311), (9, 13341), (13, 13515),

Gene: KayPaulus_16 Start: 13345, Stop: 13614, Start Num: 5

Candidate Starts for KayPaulus_16:

(Start: 5 @13345 has 130 MA's), (7, 13363), (9, 13393),

Gene: Kevanna_16 Start: 13346, Stop: 13603, Start Num: 5

Candidate Starts for Kevanna_16:

(Start: 5 @13346 has 130 MA's), (7, 13364), (9, 13394),

Gene: KillerTomato_16 Start: 13333, Stop: 13596, Start Num: 5

Candidate Starts for KillerTomato_16:

(Start: 5 @13333 has 130 MA's), (7, 13351), (8, 13357), (9, 13381),

Gene: Kojax4_16 Start: 13335, Stop: 13622, Start Num: 5

Candidate Starts for Kojax4_16:

(Start: 4 @13311 has 2 MA's), (Start: 5 @13335 has 130 MA's), (7, 13353), (10, 13401), (11, 13446),

Gene: KyriosFaba_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for KyriosFaba_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: LaviMo_16 Start: 13336, Stop: 13623, Start Num: 5

Candidate Starts for LaviMo_16:

(Start: 5 @13336 has 130 MA's), (7, 13354), (10, 13402), (11, 13447),

Gene: Leafy_16 Start: 13302, Stop: 13556, Start Num: 5

Candidate Starts for Leafy_16:

(1, 13068), (2, 13164), (Start: 5 @13302 has 130 MA's), (7, 13320), (9, 13350),

Gene: LemonPepper_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for LemonPepper_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: LionelHutz_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for LionelHutz_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Livingwater_16 Start: 13344, Stop: 13601, Start Num: 5

Candidate Starts for Livingwater_16:

(Start: 5 @13344 has 130 MA's), (9, 13392),

Gene: Loca_16 Start: 13376, Stop: 13624, Start Num: 5

Candidate Starts for Loca_16:

(Start: 5 @13376 has 130 MA's), (7, 13394), (9, 13424),

Gene: Lola20_16 Start: 13286, Stop: 13558, Start Num: 5

Candidate Starts for Lola20_16:

(Start: 5 @13286 has 130 MA's), (7, 13304), (9, 13334),

Gene: Lunatic_16 Start: 12786, Stop: 13085, Start Num: 5

Candidate Starts for Lunatic_16:

(Start: 4 @12762 has 2 MA's), (Start: 5 @12786 has 130 MA's), (7, 12804), (10, 12852), (11, 12897),

Gene: Luxx_16 Start: 13347, Stop: 13634, Start Num: 5

Candidate Starts for Luxx_16:

(Start: 4 @13323 has 2 MA's), (Start: 5 @13347 has 130 MA's), (7, 13365), (10, 13413), (11, 13458),

Gene: Madebyisha_16 Start: 13410, Stop: 13697, Start Num: 5

Candidate Starts for Madebyisha_16:

(Start: 4 @13386 has 2 MA's), (Start: 5 @13410 has 130 MA's), (7, 13428), (10, 13476), (11, 13521), (12, 13617),

Gene: Majesty_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for Majesty_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: ManAs_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for ManAs_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Maneater_16 Start: 13311, Stop: 13598, Start Num: 5

Candidate Starts for Maneater_16:

(Start: 4 @13287 has 2 MA's), (Start: 5 @13311 has 130 MA's), (7, 13329), (10, 13377), (11, 13422),

Gene: Marichuy_17 Start: 13359, Stop: 13646, Start Num: 5

Candidate Starts for Marichuy_17:

(Start: 4 @13335 has 2 MA's), (Start: 5 @13359 has 130 MA's), (7, 13377), (10, 13425), (11, 13470), (12, 13566),

Gene: MasterPitts_16 Start: 13266, Stop: 13553, Start Num: 5

Candidate Starts for MasterPitts_16:

(Start: 4 @13242 has 2 MA's), (Start: 5 @13266 has 130 MA's), (7, 13284), (10, 13332), (11, 13377), (12, 13473),

Gene: Mauilvory_16 Start: 12901, Stop: 13200, Start Num: 5

Candidate Starts for Mauilvory_16:

(Start: 4 @12877 has 2 MA's), (Start: 5 @12901 has 130 MA's), (7, 12919), (10, 12967), (11, 13012),

Gene: McShie_16 Start: 13349, Stop: 13594, Start Num: 5

Candidate Starts for McShie_16:

(Start: 5 @13349 has 130 MA's), (7, 13367), (9, 13397),

Gene: MelBee03_16 Start: 13346, Stop: 13603, Start Num: 5

Candidate Starts for MelBee03_16:

(Start: 5 @13346 has 130 MA's), (7, 13364), (9, 13394),

Gene: Miaurora_16 Start: 12903, Stop: 13202, Start Num: 5

Candidate Starts for Miaurora_16:

(Start: 4 @12879 has 2 MA's), (Start: 5 @12903 has 130 MA's), (7, 12921), (10, 12969), (11, 13014),

Gene: Minima_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Minima_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: MirimarMandM_16 Start: 13386, Stop: 13673, Start Num: 5

Candidate Starts for MirimarMandM_16:

(Start: 4 @13362 has 2 MA's), (Start: 5 @13386 has 130 MA's), (7, 13404), (10, 13452), (11, 13497),

Gene: MrGreen_16 Start: 13300, Stop: 13566, Start Num: 5

Candidate Starts for MrGreen_16:

(Start: 5 @13300 has 130 MA's), (7, 13318), (9, 13348),

Gene: Myram_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Myram_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Namsahir_17 Start: 12858, Stop: 13157, Start Num: 5

Candidate Starts for Namsahir_17:

(Start: 4 @12834 has 2 MA's), (Start: 5 @12858 has 130 MA's), (7, 12876), (10, 12924), (11, 12969),

Gene: NeumannU_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for NeumannU_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Niffler_16 Start: 12876, Stop: 13175, Start Num: 5

Candidate Starts for Niffler_16:

(Start: 4 @12852 has 2 MA's), (Start: 5 @12876 has 130 MA's), (7, 12894), (10, 12942), (11, 12987),

Gene: Nobel_16 Start: 12903, Stop: 13202, Start Num: 5

Candidate Starts for Nobel_16:

(Start: 4 @12879 has 2 MA's), (Start: 5 @12903 has 130 MA's), (7, 12921), (10, 12969), (11, 13014),

Gene: Noelani_16 Start: 13221, Stop: 13499, Start Num: 5

Candidate Starts for Noelani_16:

(3, 13179), (Start: 5 @13221 has 130 MA's), (7, 13239), (11, 13332),

Gene: Oaklynn_16 Start: 13281, Stop: 13544, Start Num: 5

Candidate Starts for Oaklynn_16:

(Start: 5 @13281 has 130 MA's), (7, 13299), (9, 13329),

Gene: Octopus_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Octopus_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: OdetoJoy_19 Start: 13410, Stop: 13697, Start Num: 5

Candidate Starts for OdetoJoy_19:

(Start: 4 @13386 has 2 MA's), (Start: 5 @13410 has 130 MA's), (7, 13428), (10, 13476), (11, 13521), (12, 13617),

Gene: Otwor_16 Start: 13337, Stop: 13624, Start Num: 5

Candidate Starts for Otwor_16:

(3, 13295), (Start: 5 @13337 has 130 MA's), (7, 13355), (10, 13403), (11, 13448),

Gene: Owens_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for Owens_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: PaoPu_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for PaoPu_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Picconator_17 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for Picconator_17:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Picnic_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Picnic_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: PoRanda_16 Start: 13386, Stop: 13673, Start Num: 5

Candidate Starts for PoRanda_16:

(Start: 4 @13362 has 2 MA's), (Start: 5 @13386 has 130 MA's), (7, 13404), (10, 13452), (11, 13497),

Gene: Pondwater_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Pondwater_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Publix_16 Start: 12858, Stop: 13157, Start Num: 5

Candidate Starts for Publix_16:

(Start: 4 @12834 has 2 MA's), (Start: 5 @12858 has 130 MA's), (7, 12876), (10, 12924), (11, 12969),

Gene: Puddles3_17 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Puddles3_17:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: PuffyCat_16 Start: 12828, Stop: 13127, Start Num: 5

Candidate Starts for PuffyCat_16:

(Start: 4 @12804 has 2 MA's), (Start: 5 @12828 has 130 MA's), (7, 12846), (10, 12894), (11, 12939),

Gene: Quaker_16 Start: 13344, Stop: 13601, Start Num: 5

Candidate Starts for Quaker_16:

(Start: 5 @13344 has 130 MA's), (9, 13392),

Gene: Rhogar_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for Rhogar_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Rhysand_16 Start: 13336, Stop: 13623, Start Num: 5

Candidate Starts for Rhysand_16:

(Start: 5 @13336 has 130 MA's), (7, 13354), (10, 13402), (11, 13447),

Gene: Rira_16 Start: 12834, Stop: 13133, Start Num: 5

Candidate Starts for Rira_16:

(Start: 4 @12810 has 2 MA's), (Start: 5 @12834 has 130 MA's), (7, 12852), (10, 12900), (11, 12945),

Gene: RoscoWindex_16 Start: 13312, Stop: 13623, Start Num: 4

Candidate Starts for RoscoWindex_16:

(Start: 4 @13312 has 2 MA's), (Start: 5 @13336 has 130 MA's), (7, 13354), (10, 13402), (11, 13447),

Gene: Sachet_17 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Sachet_17:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Sage7_16 Start: 13335, Stop: 13622, Start Num: 5

Candidate Starts for Sage7_16:

(Start: 4 @13311 has 2 MA's), (Start: 5 @13335 has 130 MA's), (7, 13353), (10, 13401), (11, 13446),

Gene: SantasSleigh_16 Start: 13359, Stop: 13646, Start Num: 5

Candidate Starts for SantasSleigh_16:

(Start: 4 @13335 has 2 MA's), (Start: 5 @13359 has 130 MA's), (7, 13377), (10, 13425), (11, 13470),

Gene: Sara_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for Sara_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Scamander_16 Start: 13335, Stop: 13622, Start Num: 5

Candidate Starts for Scamander_16:

(Start: 4 @13311 has 2 MA's), (Start: 5 @13335 has 130 MA's), (7, 13353), (10, 13401), (11, 13446),

Gene: Scrunchy_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for Scrunchy_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: SeaWolves_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for SeaWolves_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Sippinontea_16 Start: 13345, Stop: 13632, Start Num: 5

Candidate Starts for Sippinontea_16:

(Start: 5 @13345 has 130 MA's), (7, 13363), (9, 13393),

Gene: Slentz_16 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for Slentz_16:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Slizam_16 Start: 12834, Stop: 13133, Start Num: 5

Candidate Starts for Slizam_16:

(Start: 4 @12810 has 2 MA's), (Start: 5 @12834 has 130 MA's), (7, 12852), (10, 12900), (11, 12945),

Gene: Snuffles_17 Start: 13006, Stop: 13305, Start Num: 5

Candidate Starts for Snuffles_17:

(Start: 4 @12982 has 2 MA's), (Start: 5 @13006 has 130 MA's), (7, 13024), (10, 13072), (11, 13117),

Gene: Stem_16 Start: 12834, Stop: 13133, Start Num: 5

Candidate Starts for Stem_16:

(Start: 4 @12810 has 2 MA's), (Start: 5 @12834 has 130 MA's), (7, 12852), (10, 12900), (11, 12945),

Gene: TeddyBoy_16 Start: 13330, Stop: 13617, Start Num: 5

Candidate Starts for TeddyBoy_16:

(Start: 4 @13306 has 2 MA's), (Start: 5 @13330 has 130 MA's), (7, 13348), (10, 13396), (11, 13441),

Gene: TimoTea_16 Start: 13311, Stop: 13598, Start Num: 5

Candidate Starts for TimoTea_16:

(Start: 4 @13287 has 2 MA's), (Start: 5 @13311 has 130 MA's), (7, 13329), (10, 13377), (11, 13422),

Gene: TinyTruffula_16 Start: 12903, Stop: 13202, Start Num: 5

Candidate Starts for TinyTruffula_16:

(Start: 4 @12879 has 2 MA's), (Start: 5 @12903 has 130 MA's), (7, 12921), (10, 12969), (11, 13014),

Gene: TomBrady12_16 Start: 12811, Stop: 13134, Start Num: 4

Candidate Starts for TomBrady12_16:

(Start: 4 @12811 has 2 MA's), (Start: 5 @12835 has 130 MA's), (7, 12853), (10, 12901), (11, 12946),

Gene: Trackstar_16 Start: 12903, Stop: 13202, Start Num: 5

Candidate Starts for Trackstar_16:

(Start: 4 @12879 has 2 MA's), (Start: 5 @12903 has 130 MA's), (7, 12921), (10, 12969), (11, 13014),

Gene: Trireme_16 Start: 12901, Stop: 13200, Start Num: 5

Candidate Starts for Trireme_16:

(Start: 4 @12877 has 2 MA's), (Start: 5 @12901 has 130 MA's), (7, 12919), (10, 12967), (11, 13012),

Gene: Tyrellus_17 Start: 13329, Stop: 13616, Start Num: 5

Candidate Starts for Tyrellus_17:

(Start: 4 @13305 has 2 MA's), (Start: 5 @13329 has 130 MA's), (7, 13347), (10, 13395), (11, 13440),

Gene: Upsilon_16 Start: 13386, Stop: 13673, Start Num: 5

Candidate Starts for Upsilon_16:

(Start: 4 @13362 has 2 MA's), (Start: 5 @13386 has 130 MA's), (7, 13404), (10, 13452), (11, 13497),

Gene: Vanisius_16 Start: 13336, Stop: 13623, Start Num: 5

Candidate Starts for Vanisius_16:

(Start: 5 @13336 has 130 MA's), (7, 13354), (10, 13402), (11, 13447),

Gene: VitulaEligans_16 Start: 13419, Stop: 13706, Start Num: 5

Candidate Starts for VitulaEligans_16:

(Start: 4 @13395 has 2 MA's), (Start: 5 @13419 has 130 MA's), (7, 13437), (10, 13485), (11, 13530),

Gene: Witch_16 Start: 13258, Stop: 13545, Start Num: 5

Candidate Starts for Witch_16:

(Start: 4 @13234 has 2 MA's), (Start: 5 @13258 has 130 MA's), (7, 13276), (10, 13324), (11, 13369), (12, 13465),

Gene: Wolfpack_16 Start: 13345, Stop: 13614, Start Num: 5

Candidate Starts for Wolfpack_16:

(Start: 5 @13345 has 130 MA's), (7, 13363), (9, 13393),

Gene: Yami_16 Start: 12786, Stop: 13085, Start Num: 5

Candidate Starts for Yami_16:

(Start: 4 @12762 has 2 MA's), (Start: 5 @12786 has 130 MA's), (7, 12804), (10, 12852), (11, 12897),

Gene: Yasuo_16 Start: 13320, Stop: 13607, Start Num: 5

Candidate Starts for Yasuo_16:

(Start: 4 @13296 has 2 MA's), (Start: 5 @13320 has 130 MA's), (7, 13338), (10, 13386), (11, 13431), (12, 13527),

Gene: YertPhresh_16 Start: 13257, Stop: 13544, Start Num: 5

Candidate Starts for YertPhresh_16:

(Start: 4 @13233 has 2 MA's), (Start: 5 @13257 has 130 MA's), (7, 13275), (10, 13323), (11, 13368), (12, 13464),

Gene: Yubaba_16 Start: 13291, Stop: 13578, Start Num: 5

Candidate Starts for Yubaba_16:

(Start: 4 @13267 has 2 MA's), (Start: 5 @13291 has 130 MA's), (7, 13309), (10, 13357), (11, 13402), (12, 13498),

Gene: Zahlia_16 Start: 13365, Stop: 13652, Start Num: 5

Candidate Starts for Zahlia_16:

(Start: 4 @13341 has 2 MA's), (Start: 5 @13365 has 130 MA's), (7, 13383), (10, 13431), (11, 13476),