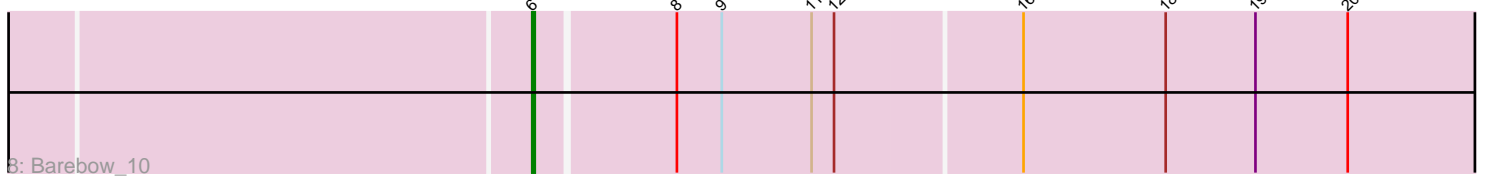
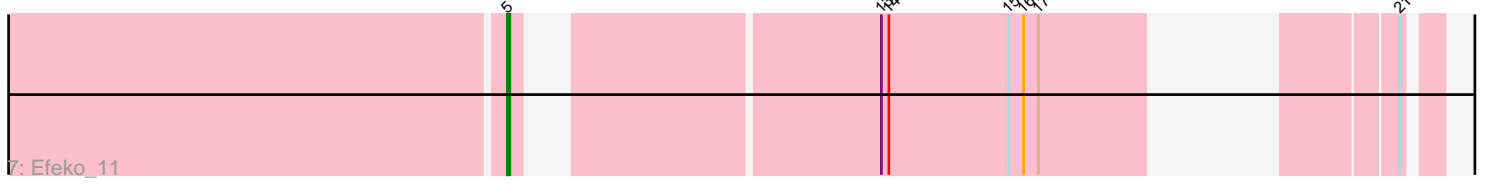
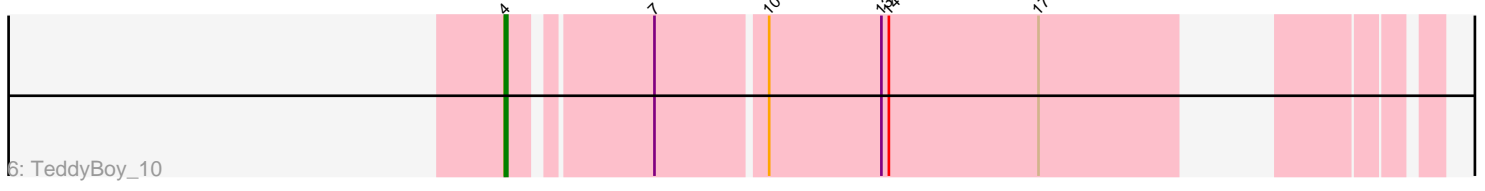
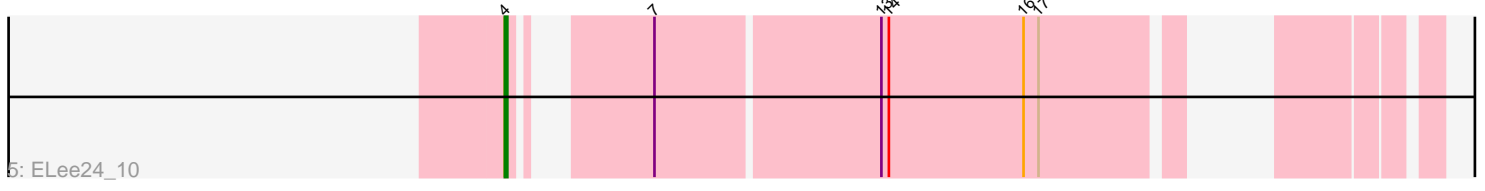
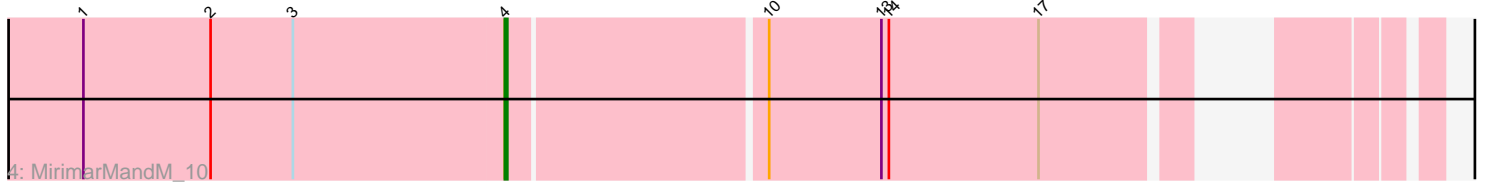
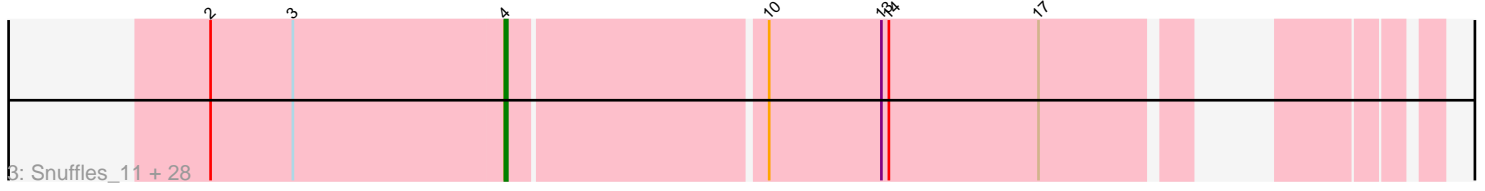
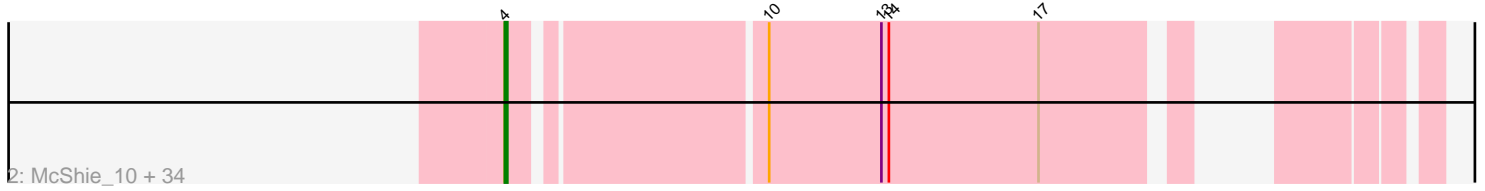
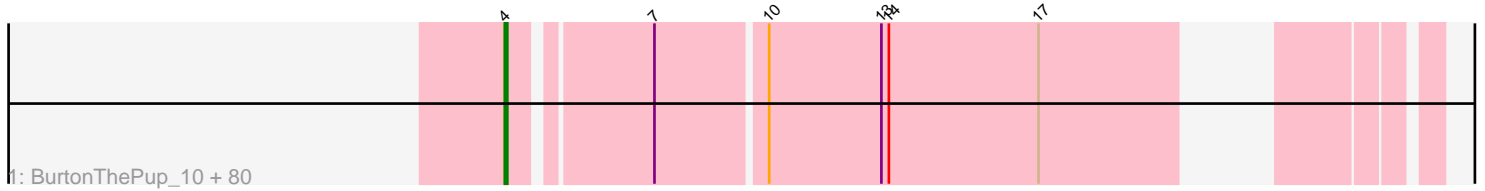


Pham 308205



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 308205 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308205 has 150 members, 6 are drafts.

Phages represented in each track:

- Track 1 : BurtonThePup_10, JaimeB_10, MasterPitts_10, Octopus_10, Grayscar_10, Alucard_10, YertPhresh_10, LionelHutz_10, Otwor_10, EdElric_10, Puddles3_10, Rhogar_10, Jannah_10, Bradley2_10, Horacetta_10, SeaWolves_10, Owens_10, Burgy_10, HeadMave_10, Erin_10, Aries55_10, Rhysand_10, Ciel_10, Tyrellus_10, PaoPu_10, Danno_10, Jahseh_10, NeumannU_10, TimoTea_10, BinkBonk_10, Hulk_10, Josuke_10, SantasSleigh_10, Aztec_10, Danimal_10, Dooby_10, Duggle_10, DirtPie_10, Gardevoir_10, Picnic_10, Godfather_10, Slentz_10, Goulash_10, GoldenBlanche_10, Luxx_10, Cheesecake_10, Scrunchy_10, Jella_10, Goobery_10, Minima_10, Charbie_10, Chatham_10, LemonPepper_10, ManAs_10, KyriosFaba_10, Vanisius_10, Scamander_10, Gillker_10, Maneater_10, Pondwater_10, Sachet_10, Majesty_10, Sage7_10, Picconator_10, BarBear_10, JoBros_10, Kojax4_10, Astro16_10, RoscoWindex_10, Eightball_10, Avvas_10, Yasuo_10, LaviMo_10, Zahlia_10, Witch_10, Dongwon_10, Myram_10, Marichuy_10, DaftyDuck_10, Sara_10, Yubaba_10
- Track 2 : McShie_10, Madebyisha_10, Lola20_10, Leafy_10, Baine_10, Quaker_10, Gabbspett_10, Hernandez44_10, Oaklynn_10, KayPaulus_10, Belthelas_10, MelBee03_10, KillerTomato_10, Kaijohn_10, Anseraureola_10, Cayde6_10, Bri160_10, JRok_10, Wolfpack_10, Noelani_10, Sippinontea_10, MrGreen_10, Jerky_10, Concrete_10, BoomRoasted_10, Douggie_10, Azizam_10, OdetoJoy_10, BrokMonster_10, VitulaEligans_10, Loca_10, Livingwater_10, Bodhi17_10, Biscayne_10, Kevanna_10
- Track 3 : Snuffles_11, Miaurora_10, Lunatic_10, Nobel_10, Publix_10, Namsahir_10, Stem_10, PuffyCat_10, Trackstar_10, TlaliMex_10, MauiIvory_10, Rira_10, Bintii_10, Ekko14_10, Bullzi2019_10, HarperAnne_11, Yami_10, Clownery_10, TinyTruffula_10, Elspeth_10, IzzyPants24_10, Niffler_10, TomBrady12_10, JooneeDee_10, Trireme_10, Upsilon_10, Cazares_10, Slizam_10, PoRanda_10
- Track 4 : MirimarMandM_10
- Track 5 : ELee24_10
- Track 6 : TeddyBoy_10
- Track 7 : Efeko_11
- Track 8 : Barebow_10

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

The start number called the most often in the published annotations is 4, it was called in 142 of the 144 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alucard_10, Anseraureola_10, Aries55_10, Astro16_10, Avvas_10, Azizam_10, Aztec_10, Baine_10, BarBear_10, Belthelas_10, BinkBonk_10, Bintii_10, Biscayne_10, Bodhi17_10, BoomRoasted_10, Bradley2_10, Bri160_10, BrokMonster_10, Bullzi2019_10, Burgy_10, BurtonThePup_10, Cayde6_10, Cazares_10, Charbie_10, Chatham_10, Cheesecake_10, Ciel_10, Clownery_10, Concrete_10, DaftyDuck_10, Danimal_10, Danno_10, DirtPie_10, Dongwon_10, Dooby_10, Douggie_10, Duggle_10, ELee24_10, EdElric_10, Eightball_10, Ekko14_10, Elspeth_10, Erin_10, Gabbspett_10, Gardevoir_10, Gillker_10, Godfather_10, GoldenBlanche_10, Goobery_10, Goulash_10, Grayscar_10, HarperAnne_11, HeadMave_10, Hernandez44_10, Horacetta_10, Hulk_10, IzzyPants24_10, JRok_10, Jahseh_10, JaimeB_10, Jannah_10, Jella_10, Jerky_10, JoBros_10, JooneeDee_10, Josuke_10, Kaijohn_10, KayPaulus_10, Kevanna_10, KillerTomato_10, Kojax4_10, KyriosFaba_10, LaviMo_10, Leafy_10, LemonPepper_10, LionelHutz_10, Livingwater_10, Loca_10, Lola20_10, Lunatic_10, Luxx_10, Madebyisha_10, Majesty_10, ManAs_10, Maneater_10, Marichuy_10, MasterPitts_10, Mauilvory_10, McShie_10, MelBee03_10, Miaurora_10, Minima_10, MirimarMandM_10, MrGreen_10, Myram_10, Namsahir_10, NeumannU_10, Niffler_10, Nobel_10, Noelani_10, Oaklynn_10, Octopus_10, OdetoJoy_10, Otwor_10, Owens_10, PaoPu_10, Picconator_10, Picnic_10, PoRanda_10, Pondwater_10, Publix_10, Puddles3_10, PuffyCat_10, Quaker_10, Rhogar_10, Rhysand_10, Rira_10, RoscoWindex_10, Sachet_10, Sage7_10, SantasSleigh_10, Sara_10, Scamander_10, Scrunchy_10, SeaWolves_10, Sippinontea_10, Slentz_10, Slizam_10, Snuffles_11, Stem_10, TeddyBoy_10, TimoTea_10, TinyTruffula_10, TlaliMex_10, TomBrady12_10, Trackstar_10, Trireme_10, Tyrellus_10, Upsilon_10, Vanisius_10, VitulaEligans_10, Witch_10, Wolfpack_10, Yami_10, Yasuo_10, YertPhresh_10, Yubaba_10, Zahlia_10,

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

-

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

- Barebow_10, Efeko_11,

Summary by start number:

Start 4:

- Found in 148 of 150 (98.7%) of genes in pham
- Manual Annotations of this start: 142 of 144
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alucard_10 (EE), Anseraureola_10 (EE), Aries55_10 (EE), Astro16_10 (EE), Avvas_10 (EE), Azizam_10 (EE), Aztec_10 (EE), Baine_10 (EE), BarBear_10 (EE), Belthelas_10 (EE), BinkBonk_10 (EE), Bintii_10 (EE), Biscayne_10 (EE), Bodhi17_10 (EE), BoomRoasted_10 (EE), Bradley2_10 (EE), Bri160_10 (EE), BrokMonster_10 (EE), Bullzi2019_10 (EE), Burgy_10 (EE), BurtonThePup_10 (EE), Cayde6_10 (EE), Cazares_10 (EE), Charbie_10 (EE), Chatham_10 (EE), Cheesecake_10 (EE), Ciel_10 (EE), Clownery_10 (EE), Concrete_10 (EE), DaftyDuck_10 (EE), Danimal_10 (EE), Danno_10 (EE), DirtPie_10 (EE), Dongwon_10 (EE), Dooby_10 (EE), Douggie_10 (EE), Duggle_10 (EE),

ELee24_10 (EE), EdElric_10 (EE), Eightball_10 (EE), Ekko14_10 (EE), Elspeth_10 (EE), Erin_10 (EE), Gabbspett_10 (EE), Gardevoir_10 (EE), Gillker_10 (EE), Godfather_10 (EE), GoldenBlanche_10 (EE), Goobery_10 (EE), Goulash_10 (EE), Grayscar_10 (EE), HarperAnne_11 (EE), HeadMave_10 (EE), Hernandez44_10 (EE), Horacetta_10 (EE), Hulk_10 (EE), IzzyPants24_10 (EE), JRok_10 (EE), Jahseh_10 (EE), JaimeB_10 (EE), Jannah_10 (EE), Jella_10 (EE), Jerky_10 (EE), JoBros_10 (EE), JooneeDee_10 (EE), Josuke_10 (EE), Kaijohn_10 (EE), KayPaulus_10 (EE), Kevanna_10 (EE), KillerTomato_10 (EE), Kojax4_10 (EE), KyriosFaba_10 (EE), LaviMo_10 (EE), Leafy_10 (EE), LemonPepper_10 (EE), LionelHutz_10 (EE), Livingwater_10 (EE), Loca_10 (EE), Lola20_10 (EE), Lunatic_10 (EE), Luxx_10 (EE), Madebyisha_10 (EE), Majesty_10 (EE), ManAs_10 (EE), Maneater_10 (EE), Marichuy_10 (EE), MasterPitts_10 (EE), Mauilvory_10 (EE), McShie_10 (EE), MelBee03_10 (EE), Miaurora_10 (EE), Minima_10 (EE), MirimarMandM_10 (EE), MrGreen_10 (EE), Myram_10 (EE), Namsahir_10 (EE), NeumannU_10 (EE), Niffler_10 (EE), Nobel_10 (EE), Noelani_10 (EE), Oaklynn_10 (EE), Octopus_10 (EE), OdetoJoy_10 (EE), Otwor_10 (EE), Owens_10 (EE), PaoPu_10 (EE), Picconator_10 (EE), Picnic_10 (EE), PoRanda_10 (EE), Pondwater_10 (EE), Publix_10 (EE), Puddles3_10 (EE), PuffyCat_10 (EE), Quaker_10 (EE), Rhogar_10 (EE), Rhysand_10 (EE), Rira_10 (EE), RoscoWindex_10 (EE), Sachet_10 (EE), Sage7_10 (EE), SantasSleigh_10 (EE), Sara_10 (EE), Scamander_10 (EE), Scrunchy_10 (EE), SeaWolves_10 (EE), Sippinontea_10 (EE), Slentz_10 (EE), Slizam_10 (EE), Snuffles_11 (EE), Stem_10 (EE), TeddyBoy_10 (EE), TimoTea_10 (EE), TinyTruffula_10 (EE), TlaliMex_10 (EE), TomBrady12_10 (EE), Trackstar_10 (EE), Trireme_10 (EE), Tyrellus_10 (EE), Upsilon_10 (EE), Vanisius_10 (EE), VitulaEligans_10 (EE), Witch_10 (EE), Wolfpack_10 (EE), Yami_10 (EE), Yasuo_10 (EE), YertPhresh_10 (EE), Yubaba_10 (EE), Zahlia_10 (EE),

Start 5:

- Found in 1 of 150 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 144
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Efeko_11 (EE),

Start 6:

- Found in 1 of 150 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 144
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barebow_10 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: EE, singleton,

Info for manual annotations of cluster EE:

- Start number 4 was manually annotated 142 times for cluster EE.
- Start number 5 was manually annotated 1 time for cluster EE.

Gene Information:

Gene: Alucard_10 Start: 6987, Stop: 7307, Start Num: 4

Candidate Starts for Alucard_10:

(Start: 4 @6987 has 142 MA's), (7, 7038), (10, 7080), (13, 7125), (14, 7128), (17, 7188),

Gene: Anseraureola_10 Start: 7010, Stop: 7330, Start Num: 4

Candidate Starts for Anseraureola_10:

(Start: 4 @7010 has 142 MA's), (10, 7103), (13, 7148), (14, 7151), (17, 7211),

Gene: Aries55_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Aries55_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Astro16_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for Astro16_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Avvas_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Avvas_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Azizam_10 Start: 6986, Stop: 7303, Start Num: 4

Candidate Starts for Azizam_10:

(Start: 4 @6986 has 142 MA's), (10, 7088), (13, 7133), (14, 7136), (17, 7196),

Gene: Aztec_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Aztec_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Baine_10 Start: 6983, Stop: 7303, Start Num: 4

Candidate Starts for Baine_10:

(Start: 4 @6983 has 142 MA's), (10, 7076), (13, 7121), (14, 7124), (17, 7184),

Gene: BarBear_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for BarBear_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Barebow_10 Start: 6575, Stop: 6991, Start Num: 6

Candidate Starts for Barebow_10:

(Start: 6 @6575 has 1 MA's), (8, 6629), (9, 6647), (11, 6683), (12, 6692), (16, 6764), (18, 6821), (19, 6857), (20, 6893),

Gene: Belthelas_10 Start: 7037, Stop: 7357, Start Num: 4

Candidate Starts for Belthelas_10:

(Start: 4 @7037 has 142 MA's), (10, 7130), (13, 7175), (14, 7178), (17, 7238),

Gene: BinkBonk_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for BinkBonk_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Bintii_10 Start: 7019, Stop: 7339, Start Num: 4

Candidate Starts for Bintii_10:

(2, 6902), (3, 6935), (Start: 4 @7019 has 142 MA's), (10, 7118), (13, 7163), (14, 7166), (17, 7226),

Gene: Biscayne_10 Start: 7046, Stop: 7375, Start Num: 4

Candidate Starts for Biscayne_10:

(Start: 4 @7046 has 142 MA's), (10, 7148), (13, 7193), (14, 7196), (17, 7256),

Gene: Bodhi17_10 Start: 6980, Stop: 7300, Start Num: 4

Candidate Starts for Bodhi17_10:

(Start: 4 @6980 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: BoomRoasted_10 Start: 7034, Stop: 7354, Start Num: 4

Candidate Starts for BoomRoasted_10:

(Start: 4 @7034 has 142 MA's), (10, 7127), (13, 7172), (14, 7175), (17, 7235),

Gene: Bradley2_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Bradley2_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Bri160_10 Start: 7034, Stop: 7354, Start Num: 4

Candidate Starts for Bri160_10:

(Start: 4 @7034 has 142 MA's), (10, 7127), (13, 7172), (14, 7175), (17, 7235),

Gene: BrokMonster_10 Start: 6986, Stop: 7297, Start Num: 4

Candidate Starts for BrokMonster_10:

(Start: 4 @6986 has 142 MA's), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Bullzi2019_10 Start: 7007, Stop: 7327, Start Num: 4

Candidate Starts for Bullzi2019_10:

(2, 6890), (3, 6923), (Start: 4 @7007 has 142 MA's), (10, 7106), (13, 7151), (14, 7154), (17, 7214),

Gene: Burgy_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Burgy_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: BurtonThePup_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for BurtonThePup_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Cayde6_10 Start: 6983, Stop: 7303, Start Num: 4

Candidate Starts for Cayde6_10:

(Start: 4 @6983 has 142 MA's), (10, 7076), (13, 7121), (14, 7124), (17, 7184),

Gene: Cazares_10 Start: 6977, Stop: 7297, Start Num: 4

Candidate Starts for Cazares_10:

(2, 6860), (3, 6893), (Start: 4 @6977 has 142 MA's), (10, 7076), (13, 7121), (14, 7124), (17, 7184),

Gene: Charbie_10 Start: 6974, Stop: 7294, Start Num: 4

Candidate Starts for Charbie_10:

(Start: 4 @6974 has 142 MA's), (7, 7025), (10, 7067), (13, 7112), (14, 7115), (17, 7175),

Gene: Chatham_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Chatham_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Cheesecake_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Cheesecake_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Ciel_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for Ciel_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Clownery_10 Start: 7094, Stop: 7414, Start Num: 4

Candidate Starts for Clownery_10:

(2, 6977), (3, 7010), (Start: 4 @7094 has 142 MA's), (10, 7193), (13, 7238), (14, 7241), (17, 7301),

Gene: Concrete_10 Start: 7034, Stop: 7354, Start Num: 4

Candidate Starts for Concrete_10:

(Start: 4 @7034 has 142 MA's), (10, 7127), (13, 7172), (14, 7175), (17, 7235),

Gene: DaftyDuck_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for DaftyDuck_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Danimal_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Danimal_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Danno_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Danno_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: DirtPie_10 Start: 7091, Stop: 7405, Start Num: 4

Candidate Starts for DirtPie_10:

(Start: 4 @7091 has 142 MA's), (7, 7142), (10, 7184), (13, 7229), (14, 7232), (17, 7292),

Gene: Dongwon_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Dongwon_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Dooby_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Dooby_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Douggie_10 Start: 6980, Stop: 7300, Start Num: 4

Candidate Starts for Douggie_10:

(Start: 4 @6980 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: Duggle_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Duggle_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: ELee24_10 Start: 7048, Stop: 7347, Start Num: 4

Candidate Starts for ELee24_10:

(Start: 4 @7048 has 142 MA's), (7, 7087), (13, 7174), (14, 7177), (16, 7231), (17, 7237),

Gene: EdElric_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for EdElric_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Efeko_11 Start: 6885, Stop: 7172, Start Num: 5
Candidate Starts for Efeko_11:
(Start: 5 @6885 has 1 MA's), (13, 7011), (14, 7014), (15, 7062), (16, 7068), (17, 7074), (21, 7161),

Gene: Eightball_10 Start: 6998, Stop: 7312, Start Num: 4
Candidate Starts for Eightball_10:
(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Ekko14_10 Start: 6974, Stop: 7294, Start Num: 4
Candidate Starts for Ekko14_10:
(2, 6857), (3, 6890), (Start: 4 @6974 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: Elspeth_10 Start: 6974, Stop: 7294, Start Num: 4
Candidate Starts for Elspeth_10:
(2, 6857), (3, 6890), (Start: 4 @6974 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: Erin_10 Start: 6986, Stop: 7306, Start Num: 4
Candidate Starts for Erin_10:
(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Gabbspett_10 Start: 7091, Stop: 7408, Start Num: 4
Candidate Starts for Gabbspett_10:
(Start: 4 @7091 has 142 MA's), (10, 7187), (13, 7232), (14, 7235), (17, 7295),

Gene: Gardevoir_10 Start: 6987, Stop: 7340, Start Num: 4
Candidate Starts for Gardevoir_10:
(Start: 4 @6987 has 142 MA's), (7, 7038), (10, 7080), (13, 7125), (14, 7128), (17, 7188),

Gene: Gillker_10 Start: 6986, Stop: 7306, Start Num: 4
Candidate Starts for Gillker_10:
(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Godfather_10 Start: 6998, Stop: 7318, Start Num: 4
Candidate Starts for Godfather_10:
(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: GoldenBlanche_10 Start: 6986, Stop: 7306, Start Num: 4
Candidate Starts for GoldenBlanche_10:
(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Goobery_10 Start: 6998, Stop: 7312, Start Num: 4
Candidate Starts for Goobery_10:
(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Goulash_10 Start: 6986, Stop: 7306, Start Num: 4
Candidate Starts for Goulash_10:
(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Grayscar_10 Start: 6998, Stop: 7318, Start Num: 4
Candidate Starts for Grayscar_10:
(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: HarperAnne_11 Start: 6974, Stop: 7294, Start Num: 4

Candidate Starts for HarperAnne_11:
(2, 6857), (3, 6890), (Start: 4 @6974 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: HeadMave_10 Start: 6998, Stop: 7312, Start Num: 4
Candidate Starts for HeadMave_10:
(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Hernandez44_10 Start: 7091, Stop: 7408, Start Num: 4
Candidate Starts for Hernandez44_10:
(Start: 4 @7091 has 142 MA's), (10, 7187), (13, 7232), (14, 7235), (17, 7295),

Gene: Horacetta_10 Start: 6986, Stop: 7306, Start Num: 4
Candidate Starts for Horacetta_10:
(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Hulk_10 Start: 6998, Stop: 7318, Start Num: 4
Candidate Starts for Hulk_10:
(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: IzzyPants24_10 Start: 7025, Stop: 7345, Start Num: 4
Candidate Starts for IzzyPants24_10:
(2, 6908), (3, 6941), (Start: 4 @7025 has 142 MA's), (10, 7124), (13, 7169), (14, 7172), (17, 7232),

Gene: JRok_10 Start: 6983, Stop: 7300, Start Num: 4
Candidate Starts for JRok_10:
(Start: 4 @6983 has 142 MA's), (10, 7085), (13, 7130), (14, 7133), (17, 7193),

Gene: Jahseh_10 Start: 6986, Stop: 7306, Start Num: 4
Candidate Starts for Jahseh_10:
(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: JaimeB_10 Start: 6998, Stop: 7312, Start Num: 4
Candidate Starts for JaimeB_10:
(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Jannah_10 Start: 6986, Stop: 7306, Start Num: 4
Candidate Starts for Jannah_10:
(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Jella_10 Start: 7010, Stop: 7330, Start Num: 4
Candidate Starts for Jella_10:
(Start: 4 @7010 has 142 MA's), (7, 7061), (10, 7103), (13, 7148), (14, 7151), (17, 7211),

Gene: Jerky_10 Start: 7070, Stop: 7393, Start Num: 4
Candidate Starts for Jerky_10:
(Start: 4 @7070 has 142 MA's), (10, 7166), (13, 7211), (14, 7214), (17, 7274),

Gene: JoBros_10 Start: 6987, Stop: 7307, Start Num: 4
Candidate Starts for JoBros_10:
(Start: 4 @6987 has 142 MA's), (7, 7038), (10, 7080), (13, 7125), (14, 7128), (17, 7188),

Gene: JooneeDee_10 Start: 7019, Stop: 7339, Start Num: 4
Candidate Starts for JooneeDee_10:

(2, 6902), (3, 6935), (Start: 4 @7019 has 142 MA's), (10, 7118), (13, 7163), (14, 7166), (17, 7226),

Gene: Josuke_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Josuke_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Kaijohn_10 Start: 6989, Stop: 7312, Start Num: 4

Candidate Starts for Kaijohn_10:

(Start: 4 @6989 has 142 MA's), (10, 7088), (13, 7133), (14, 7136), (17, 7196),

Gene: KayPaulus_10 Start: 6980, Stop: 7300, Start Num: 4

Candidate Starts for KayPaulus_10:

(Start: 4 @6980 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: Kevanna_10 Start: 6980, Stop: 7300, Start Num: 4

Candidate Starts for Kevanna_10:

(Start: 4 @6980 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: KillerTomato_10 Start: 7034, Stop: 7354, Start Num: 4

Candidate Starts for KillerTomato_10:

(Start: 4 @7034 has 142 MA's), (10, 7127), (13, 7172), (14, 7175), (17, 7235),

Gene: Kojax4_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Kojax4_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: KyriosFaba_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for KyriosFaba_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: LaviMo_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for LaviMo_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Leafy_10 Start: 7004, Stop: 7324, Start Num: 4

Candidate Starts for Leafy_10:

(Start: 4 @7004 has 142 MA's), (10, 7097), (13, 7142), (14, 7145), (17, 7205),

Gene: LemonPepper_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for LemonPepper_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: LionelHutz_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for LionelHutz_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Livingwater_10 Start: 6980, Stop: 7300, Start Num: 4

Candidate Starts for Livingwater_10:

(Start: 4 @6980 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: Loca_10 Start: 7007, Stop: 7327, Start Num: 4

Candidate Starts for Loca_10:

(Start: 4 @7007 has 142 MA's), (10, 7100), (13, 7145), (14, 7148), (17, 7208),

Gene: Lola20_10 Start: 6983, Stop: 7303, Start Num: 4

Candidate Starts for Lola20_10:

(Start: 4 @6983 has 142 MA's), (10, 7076), (13, 7121), (14, 7124), (17, 7184),

Gene: Lunatic_10 Start: 6977, Stop: 7297, Start Num: 4

Candidate Starts for Lunatic_10:

(2, 6860), (3, 6893), (Start: 4 @6977 has 142 MA's), (10, 7076), (13, 7121), (14, 7124), (17, 7184),

Gene: Luxx_10 Start: 7010, Stop: 7330, Start Num: 4

Candidate Starts for Luxx_10:

(Start: 4 @7010 has 142 MA's), (7, 7061), (10, 7103), (13, 7148), (14, 7151), (17, 7211),

Gene: Madebyisha_10 Start: 7070, Stop: 7393, Start Num: 4

Candidate Starts for Madebyisha_10:

(Start: 4 @7070 has 142 MA's), (10, 7166), (13, 7211), (14, 7214), (17, 7274),

Gene: Majesty_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for Majesty_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: ManAs_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for ManAs_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Maneater_10 Start: 6974, Stop: 7294, Start Num: 4

Candidate Starts for Maneater_10:

(Start: 4 @6974 has 142 MA's), (7, 7025), (10, 7067), (13, 7112), (14, 7115), (17, 7175),

Gene: Marichuy_10 Start: 7091, Stop: 7405, Start Num: 4

Candidate Starts for Marichuy_10:

(Start: 4 @7091 has 142 MA's), (7, 7142), (10, 7184), (13, 7229), (14, 7232), (17, 7292),

Gene: MasterPitts_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for MasterPitts_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Mauilvory_10 Start: 7091, Stop: 7411, Start Num: 4

Candidate Starts for Mauilvory_10:

(2, 6974), (3, 7007), (Start: 4 @7091 has 142 MA's), (10, 7190), (13, 7235), (14, 7238), (17, 7298),

Gene: McShie_10 Start: 6986, Stop: 7297, Start Num: 4

Candidate Starts for McShie_10:

(Start: 4 @6986 has 142 MA's), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: MelBee03_10 Start: 6980, Stop: 7300, Start Num: 4

Candidate Starts for MelBee03_10:

(Start: 4 @6980 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: Miaurora_10 Start: 7094, Stop: 7414, Start Num: 4

Candidate Starts for Miaurora_10:

(2, 6977), (3, 7010), (Start: 4 @7094 has 142 MA's), (10, 7193), (13, 7238), (14, 7241), (17, 7301),

Gene: Minima_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Minima_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: MirimarMandM_10 Start: 7061, Stop: 7381, Start Num: 4

Candidate Starts for MirimarMandM_10:

(1, 6893), (2, 6944), (3, 6977), (Start: 4 @7061 has 142 MA's), (10, 7160), (13, 7205), (14, 7208), (17, 7268),

Gene: MrGreen_10 Start: 7001, Stop: 7321, Start Num: 4

Candidate Starts for MrGreen_10:

(Start: 4 @7001 has 142 MA's), (10, 7094), (13, 7139), (14, 7142), (17, 7202),

Gene: Myram_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Myram_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Namsahir_10 Start: 7049, Stop: 7369, Start Num: 4

Candidate Starts for Namsahir_10:

(2, 6932), (3, 6965), (Start: 4 @7049 has 142 MA's), (10, 7148), (13, 7193), (14, 7196), (17, 7256),

Gene: NeumannU_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for NeumannU_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Niffler_10 Start: 7067, Stop: 7387, Start Num: 4

Candidate Starts for Niffler_10:

(2, 6950), (3, 6983), (Start: 4 @7067 has 142 MA's), (10, 7166), (13, 7211), (14, 7214), (17, 7274),

Gene: Nobel_10 Start: 7094, Stop: 7414, Start Num: 4

Candidate Starts for Nobel_10:

(2, 6977), (3, 7010), (Start: 4 @7094 has 142 MA's), (10, 7193), (13, 7238), (14, 7241), (17, 7301),

Gene: Noelani_10 Start: 6971, Stop: 7291, Start Num: 4

Candidate Starts for Noelani_10:

(Start: 4 @6971 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: Oaklynn_10 Start: 6986, Stop: 7303, Start Num: 4

Candidate Starts for Oaklynn_10:

(Start: 4 @6986 has 142 MA's), (10, 7088), (13, 7133), (14, 7136), (17, 7196),

Gene: Octopus_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Octopus_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: OdetoJoy_10 Start: 7070, Stop: 7393, Start Num: 4

Candidate Starts for OdetoJoy_10:

(Start: 4 @7070 has 142 MA's), (10, 7166), (13, 7211), (14, 7214), (17, 7274),

Gene: Otwor_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Otwor_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Owens_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for Owens_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: PaoPu_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for PaoPu_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Picconator_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for Picconator_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Picnic_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Picnic_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: PoRanda_10 Start: 7061, Stop: 7381, Start Num: 4

Candidate Starts for PoRanda_10:

(2, 6944), (3, 6977), (Start: 4 @7061 has 142 MA's), (10, 7160), (13, 7205), (14, 7208), (17, 7268),

Gene: Pondwater_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Pondwater_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Publix_10 Start: 7049, Stop: 7369, Start Num: 4

Candidate Starts for Publix_10:

(2, 6932), (3, 6965), (Start: 4 @7049 has 142 MA's), (10, 7148), (13, 7193), (14, 7196), (17, 7256),

Gene: Puddles3_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Puddles3_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: PuffyCat_10 Start: 7019, Stop: 7339, Start Num: 4

Candidate Starts for PuffyCat_10:

(2, 6902), (3, 6935), (Start: 4 @7019 has 142 MA's), (10, 7118), (13, 7163), (14, 7166), (17, 7226),

Gene: Quaker_10 Start: 6980, Stop: 7300, Start Num: 4

Candidate Starts for Quaker_10:

(Start: 4 @6980 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: Rhogar_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for Rhogar_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Rhysand_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Rhysand_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Rira_10 Start: 7025, Stop: 7345, Start Num: 4

Candidate Starts for Rira_10:

(2, 6908), (3, 6941), (Start: 4 @7025 has 142 MA's), (10, 7124), (13, 7169), (14, 7172), (17, 7232),

Gene: RoscoWindex_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for RoscoWindex_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Sachet_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Sachet_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Sage7_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Sage7_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: SantasSleigh_10 Start: 7022, Stop: 7342, Start Num: 4

Candidate Starts for SantasSleigh_10:

(Start: 4 @7022 has 142 MA's), (7, 7073), (10, 7115), (13, 7160), (14, 7163), (17, 7223),

Gene: Sara_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for Sara_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Scamander_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Scamander_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Scrunchy_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for Scrunchy_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: SeaWolves_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for SeaWolves_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Sippinontea_10 Start: 6980, Stop: 7300, Start Num: 4

Candidate Starts for Sippinontea_10:

(Start: 4 @6980 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: Slentz_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for Slentz_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Slizam_10 Start: 7025, Stop: 7345, Start Num: 4

Candidate Starts for Slizam_10:

(2, 6908), (3, 6941), (Start: 4 @7025 has 142 MA's), (10, 7124), (13, 7169), (14, 7172), (17, 7232),

Gene: Snuffles_11 Start: 7196, Stop: 7516, Start Num: 4

Candidate Starts for Snuffles_11:

(2, 7079), (3, 7112), (Start: 4 @7196 has 142 MA's), (10, 7295), (13, 7340), (14, 7343), (17, 7403),

Gene: Stem_10 Start: 7025, Stop: 7345, Start Num: 4

Candidate Starts for Stem_10:

(2, 6908), (3, 6941), (Start: 4 @7025 has 142 MA's), (10, 7124), (13, 7169), (14, 7172), (17, 7232),

Gene: TeddyBoy_10 Start: 6999, Stop: 7313, Start Num: 4

Candidate Starts for TeddyBoy_10:

(Start: 4 @6999 has 142 MA's), (7, 7050), (10, 7092), (13, 7137), (14, 7140), (17, 7200),

Gene: TimoTea_10 Start: 6974, Stop: 7294, Start Num: 4

Candidate Starts for TimoTea_10:

(Start: 4 @6974 has 142 MA's), (7, 7025), (10, 7067), (13, 7112), (14, 7115), (17, 7175),

Gene: TinyTruffula_10 Start: 7094, Stop: 7414, Start Num: 4

Candidate Starts for TinyTruffula_10:

(2, 6977), (3, 7010), (Start: 4 @7094 has 142 MA's), (10, 7193), (13, 7238), (14, 7241), (17, 7301),

Gene: TlaliMex_10 Start: 7091, Stop: 7411, Start Num: 4

Candidate Starts for TlaliMex_10:

(2, 6974), (3, 7007), (Start: 4 @7091 has 142 MA's), (10, 7190), (13, 7235), (14, 7238), (17, 7298),

Gene: TomBrady12_10 Start: 7025, Stop: 7345, Start Num: 4

Candidate Starts for TomBrady12_10:

(2, 6908), (3, 6941), (Start: 4 @7025 has 142 MA's), (10, 7124), (13, 7169), (14, 7172), (17, 7232),

Gene: Trackstar_10 Start: 7094, Stop: 7414, Start Num: 4

Candidate Starts for Trackstar_10:

(2, 6977), (3, 7010), (Start: 4 @7094 has 142 MA's), (10, 7193), (13, 7238), (14, 7241), (17, 7301),

Gene: Trireme_10 Start: 7094, Stop: 7414, Start Num: 4

Candidate Starts for Trireme_10:

(2, 6977), (3, 7010), (Start: 4 @7094 has 142 MA's), (10, 7193), (13, 7238), (14, 7241), (17, 7301),

Gene: Tyrellus_10 Start: 6998, Stop: 7312, Start Num: 4

Candidate Starts for Tyrellus_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: Upsilon_10 Start: 7061, Stop: 7381, Start Num: 4

Candidate Starts for Upsilon_10:

(2, 6944), (3, 6977), (Start: 4 @7061 has 142 MA's), (10, 7160), (13, 7205), (14, 7208), (17, 7268),

Gene: Vanisius_10 Start: 6998, Stop: 7318, Start Num: 4

Candidate Starts for Vanisius_10:

(Start: 4 @6998 has 142 MA's), (7, 7049), (10, 7091), (13, 7136), (14, 7139), (17, 7199),

Gene: VitulaEligans_10 Start: 7070, Stop: 7402, Start Num: 4

Candidate Starts for VitulaEligans_10:

(Start: 4 @7070 has 142 MA's), (10, 7166), (13, 7211), (14, 7214), (17, 7274),

Gene: Witch_10 Start: 6987, Stop: 7307, Start Num: 4

Candidate Starts for Witch_10:

(Start: 4 @6987 has 142 MA's), (7, 7038), (10, 7080), (13, 7125), (14, 7128), (17, 7188),

Gene: Wolfpack_10 Start: 6980, Stop: 7300, Start Num: 4

Candidate Starts for Wolfpack_10:

(Start: 4 @6980 has 142 MA's), (10, 7073), (13, 7118), (14, 7121), (17, 7181),

Gene: Yami_10 Start: 6977, Stop: 7297, Start Num: 4

Candidate Starts for Yami_10:

(2, 6860), (3, 6893), (Start: 4 @6977 has 142 MA's), (10, 7076), (13, 7121), (14, 7124), (17, 7184),

Gene: Yasuo_10 Start: 6983, Stop: 7303, Start Num: 4

Candidate Starts for Yasuo_10:

(Start: 4 @6983 has 142 MA's), (7, 7034), (10, 7076), (13, 7121), (14, 7124), (17, 7184),

Gene: YertPhresh_10 Start: 6986, Stop: 7306, Start Num: 4

Candidate Starts for YertPhresh_10:

(Start: 4 @6986 has 142 MA's), (7, 7037), (10, 7079), (13, 7124), (14, 7127), (17, 7187),

Gene: Yubaba_10 Start: 6987, Stop: 7340, Start Num: 4

Candidate Starts for Yubaba_10:

(Start: 4 @6987 has 142 MA's), (7, 7038), (10, 7080), (13, 7125), (14, 7128), (17, 7188),

Gene: Zahlia_10 Start: 7091, Stop: 7411, Start Num: 4

Candidate Starts for Zahlia_10:

(Start: 4 @7091 has 142 MA's), (7, 7142), (10, 7184), (13, 7229), (14, 7232), (17, 7292),