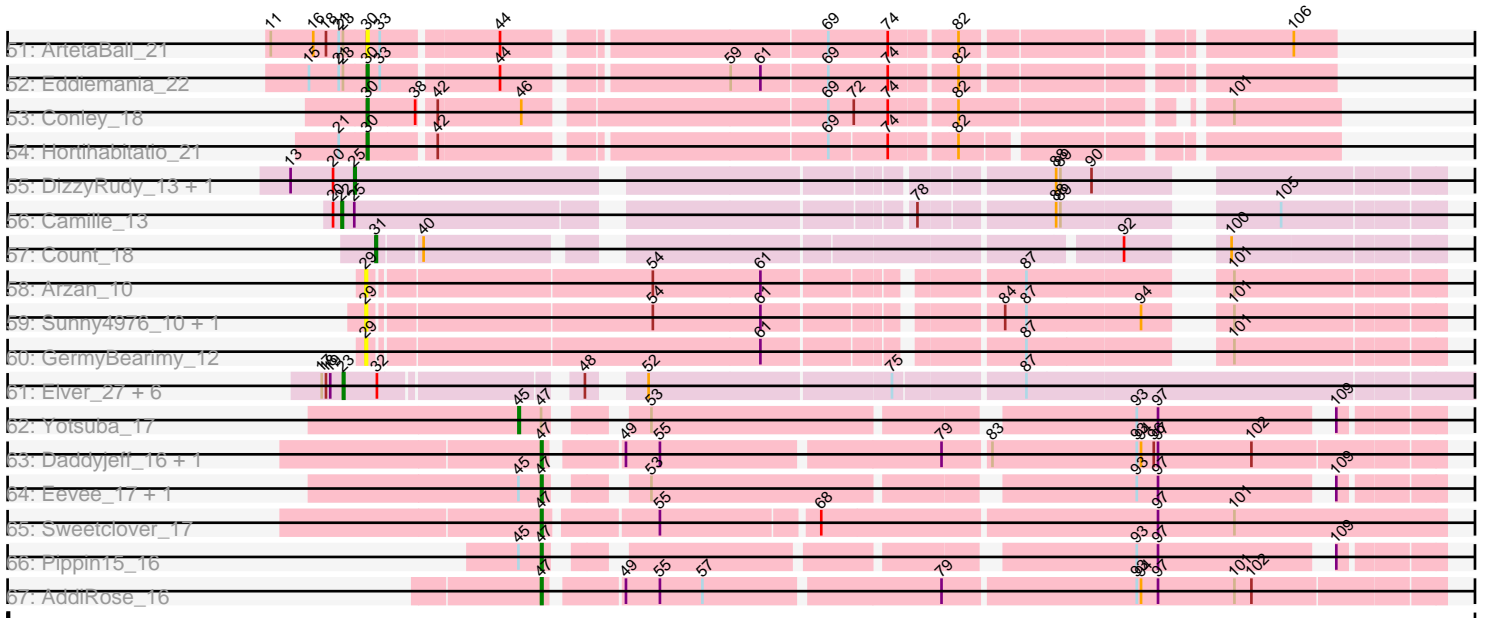


Pham 311258



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 311258 Report

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

Pham number 311258 has 189 members, 38 are drafts.

Phages represented in each track:

- Track 1 : Heisenberger_11, Tribby_11, KeaneyLin_10, Elsa_11, Arcadia_11, Correa_11, Kardesai_10, Nason_11, Dynamite_11, Circum_11, Xenomorph_10, Benllo_10, NapoleonB_11, Mooshroom_11, JEGGS_11, Mudcat_11, GoCrazy_10, YoshiYama_10, Cheesy_11
- Track 2 : Stardom_10, Hankly_10, Bowling_11, BenitoAntonio_11
- Track 3 : Giantsbane_14
- Track 4 : Bouchard_13, Tokki_13, Chlochlo_13
- Track 5 : Phaby_13
- Track 6 : LilHuddy_13
- Track 7 : Shepard_13
- Track 8 : Tipton_13
- Track 9 : Anandi_13
- Track 10 : BarbieDoll_16, Kinny_14
- Track 11 : TrixiePhattel_12
- Track 12 : Tenney120_12, Uzumaki_12, Argan_11, Altjira_11
- Track 13 : Mardi_13, BlackHoleSun_13, KevinMinion_11, GantcherGoblin_11, Zeina_12, Stardrop_12, Navi1117_12, Phaila_11
- Track 14 : Biscute_13, Muglass_15
- Track 15 : Barbonzobean_15
- Track 16 : Leathea_12
- Track 17 : Lewando_15
- Track 18 : PoeMe_13
- Track 19 : Renaldo_17
- Track 20 : Powelldog_14
- Track 21 : TonyStarch_13, Jaylociraptor_13, IceWarrior_13, Hoshi_13, Meibysrarus_13, Soshi_13, Namu_13, TieDye_12, TaidaOne_13, HazuAndZazu_13, CherryBlossom_13
- Track 22 : FidgetOrca_13, Maya_13, OlympicHelado_13, FrodoSwaggins_13, Popy_13, Rima_13, Indigenous_13, Espio_13, Spectropatronm_13, DrGrey_13, Esketit_13
- Track 23 : Madamato_13
- Track 24 : LibertyBell_11
- Track 25 : Regigigas_11, FromIndy_11, SendItCS_10, CricKo_10, Miek_10, Rainydai_10, Thiqqums_10
- Track 26 : Bing_13, Wigberry_12
- Track 27 : Kardashian_11
- Track 28 : ClubPenguin_11

- Track 29 : PerroGrande22_27
- Track 30 : Pepy6_023
- Track 31 : Poco6_025
- Track 32 : Schwartz33_22
- Track 33 : Phepper_21, Madvan_21, Runhaar_21, Burley_21, Nadmeg_21, Crocheter_20, Untouchable_20, Vardy_21
- Track 34 : MajinBuu_21, Aflac_21, Jodelie19_21, Tonaltzin_23, BluerMoon_21, Figliar_21, TenaciousP_21, OlgasClover_21
- Track 35 : Arataki_20, Demure_20
- Track 36 : AlainaMarie_21, Chikenjars_21, Duffington_21, Glintora_20, Nithya_21, Luthien_22, EndAve_21
- Track 37 : Trufflozitus_18, Gravy_18, Copybara_18, Tanis_18, NoPickles_18, Gill_18, FortCran_18, JulesRay_18, ChickyNuggy_19, Kerry_18, Dancer_18, Artorias_18, Avazak_18, Tairn4Wing_20, Captrips_18, Bugg_20, Football_19, Roney_18, Odesza_18, Magel_18
- Track 38 : Petite_19
- Track 39 : Gusicorn_21, BetterYeti_21, PestoPenguin_23, Aloe25_23, ShaggyRogers_21
- Track 40 : SweetCrkHerbs_20, Perkunas_20, Talon44_19
- Track 41 : Pherobrine_20
- Track 42 : Citrus_20
- Track 43 : Zeph_22, Hydrus_22
- Track 44 : Mysticmoon_20, Fazel_19
- Track 45 : Secretariat_19
- Track 46 : OhMyWard_21, Mossy_22, Blanky_21
- Track 47 : CWormy_21
- Track 48 : Kenosha_20
- Track 49 : Rickmore_19
- Track 50 : Dialga_21
- Track 51 : ArtetaBall_21
- Track 52 : Eddiemania_22
- Track 53 : Conley_18
- Track 54 : Hortihabitatio_21
- Track 55 : DizzyRudy_13, Damascus_13
- Track 56 : Camille_13
- Track 57 : Count_18
- Track 58 : Arzan_10
- Track 59 : Sunny4976_10, Jazzy4900_11
- Track 60 : GermyBearimy_12
- Track 61 : Elver_27, Gandionco_27, JeNeSaisPas_26, Paella_27, Kureo_28, Marianna39_28, Qui_27
- Track 62 : Yotsuba_17
- Track 63 : Daddyjeff_16, Serenabean_16
- Track 64 : Eevee_17, JoyLin_17
- Track 65 : Sweetclover_17
- Track 66 : Pippin15_16
- Track 67 : AddiRose_16

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

The start number called the most often in the published annotations is 30, it was called in 58 of the 151 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_21, AlainaMarie_21, Aloe25_23, Arataki_20, ArtetaBall_21, Artorias_18, Avazak_18, BetterYeti_21, Blanky_21, BluerMoon_21, Bugg_20, Burley_21, CWormy_21, Captrips_18, Capybara_18, ChickyNuggy_19, Chikenjars_21, Citrus_20, Conley_18, Crocheter_20, Dancer_18, Demure_20, Dialga_21, Duffington_21, Eddiemania_22, EndAve_21, Fazel_19, Figliar_21, Football_19, FortCran_18, Gill_18, Glintora_20, Gravy_18, Gusicorn_21, Hortihabitatio_21, Hydus_22, Jodelie19_21, JulesRay_18, Kenosha_20, Kerry_18, Luthien_22, Madvan_21, Magel_18, MajinBuu_21, Mossy_22, Mysticmoon_20, Nadmeg_21, Nithya_21, NoPickles_18, Odesza_18, OhMyWard_21, OlgasClover_21, Perkunas_20, PestoPenguin_23, Petito_19, Phepper_21, Pherobrine_20, Rickmore_19, Roney_18, Runhaar_21, Schwartz33_22, Secretariat_19, ShaggyRogers_21, SweetCrkHerbs_20, Tairn4Wing_20, Talon44_19, Tanis_18, TenaciousP_21, Tonaltzin_23, Trufflozitus_18, Untouchable_20, Vardy_21, Zeph_22,

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

-

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

- AddiRose_16, Altjira_11, Anandi_13, Arcadia_11, Argan_11, Arzan_10, BarbieDoll_16, Barbonzobean_15, BenitoAntonio_11, Benllo_10, Bing_13, Biscute_13, BlackHoleSun_13, Bouchard_13, Bowling_11, Camille_13, Cheesy_11, CherryBlossom_13, Chlochlo_13, Circum_11, ClubPenguin_11, Correa_11, Count_18, CricKo_10, Daddyjeff_16, Damascus_13, DizzyRudy_13, DrGrey_13, Dynamite_11, Eevee_17, Elsa_11, Elver_27, Esketit_13, Espio_13, FidgetOrca_13, FrodoSwaggins_13, FromIndy_11, Gandionco_27, GantcherGoblin_11, GermyBearimy_12, Giantsbane_14, GoCrazy_10, Hankly_10, HazuAndZazu_13, Heisenberger_11, Hoshi_13, IceWarrior_13, Indigenous_13, JEGGS_11, Jaylociraptor_13, Jazzy4900_11, JeNeSaisPas_26, JoyLin_17, Kardashian_11, Kardesai_10, KeaneyLin_10, KevinMinion_11, Kinny_14, Kureo_28, Leathea_12, Lewando_15, LibertyBell_11, LilHuddy_13, Madamato_13, Mardi_13, Marianna39_28, Maya_13, Meibysrarus_13, Miek_10, Mooshroom_11, Mudcat_11, Muglass_15, Namo_13, NapoleonB_11, Nason_11, Navi1117_12, OlympicHelado_13, Paella_27, Pepy6_023, PerroGrande22_27, Phaby_13, Phaila_11, Pippin15_16, POCO6_025, PoeMe_13, Popy_13, PowellDog_14, Qui_27, Rainydai_10, Regigigas_11, Renaldo_17, Rima_13, SendItCS_10, Serenabean_16, Shepard_13, Soshi_13, Spectropatronm_13, Stardom_10, Stardrop_12, Sunny4976_10, Sweetclover_17, TaidaOne_13, Tenney120_12, Thiqqums_10, TieDye_12, Tipton_13, Tokki_13, TonyStarch_13, Tribby_11, TrixiePhattel_12, Uzumaki_12, Wigberry_12, Xenomorph_10, YoshiYama_10, Yotsuba_17, Zeina_12,

Summary by start number:

Start 22:

- Found in 1 of 189 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 151
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Camille_13 (EL),

Start 23:

- Found in 42 of 189 (22.2%) of genes in pham
- Manual Annotations of this start: 3 of 151
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Elver_27 (FK), Gandionco_27 (FK), JeNeSaisPas_26 (FK), Kureo_28 (FK), Marianna39_28 (FK), Paella_27 (FK), Qui_27 (FK),

Start 25:

- Found in 4 of 189 (2.1%) of genes in pham
- Manual Annotations of this start: 3 of 151
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Damascus_13 (EL), DizzyRudy_13 (EL), Powelldog_14 (AW),

Start 26:

- Found in 4 of 189 (2.1%) of genes in pham
- No Manual Annotations of this start.
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Pepy6_023 (CC), PerroGrande22_27 (CC), Poco6_025 (CC),

Start 27:

- Found in 1 of 189 (0.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Leathea_12 (AU6),

Start 29:

- Found in 25 of 189 (13.2%) of genes in pham
- Manual Annotations of this start: 14 of 151
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altjira_11 (AU6), Argan_11 (AU6), Arzan_10 (FI), BarbieDoll_16 (AU6), Barbonzobean_15 (AU6), Biscute_13 (AU6), BlackHoleSun_13 (AU6), GantcherGoblin_11 (AU6), GermyBearimy_12 (FI), Jazzy4900_11 (FI), KevinMinion_11 (AU6), Kinny_14 (AU6), Lewando_15 (AU6), Mardi_13 (AU6), Muglass_15 (AU6), Navi1117_12 (AU6), Phaila_11 (AU6), PoeMe_13 (AU6), Renaldo_17 (AU6), Stardrop_12 (AU6), Sunny4976_10 (FI), Tenney120_12 (AU6), TrixiePhattel_12 (AU6), Uzumaki_12 (AU6), Zeina_12 (AU6),

Start 30:

- Found in 73 of 189 (38.6%) of genes in pham
- Manual Annotations of this start: 58 of 151
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aflac_21 (DJ), AlainaMarie_21 (DJ), Aloe25_23 (DJ), Arataki_20 (DJ), ArtetaBall_21 (DJ), Artorias_18 (DJ), Avazak_18 (DJ), BetterYeti_21 (DJ), Blanky_21 (DJ), BluerMoon_21 (DJ), Bugg_20 (DJ), Burley_21 (DJ), CWormy_21 (DJ), Captrips_18 (DJ), Capybara_18 (DJ), ChickyNuggy_19 (DJ), Chikenjars_21 (DJ), Citrus_20 (DJ), Conley_18 (DJ), Crocheter_20 (DJ), Dancer_18 (DJ), Demure_20 (DJ), Dialga_21 (DJ), Duffington_21 (DJ), Eddiemania_22 (DJ), EndAve_21 (DJ), Fazel_19 (DJ), Figliar_21 (DJ), Football_19 (DJ), FortCran_18 (DJ), Gill_18 (DJ), Glintora_20 (DJ), Gravy_18 (DJ), Gusicorn_21 (DJ), Hortihabitatio_21 (DJ), Hydrus_22 (DJ), Jodelie19_21 (DJ), JulesRay_18 (DJ), Kenosha_20 (DJ), Kerry_18 (DJ), Luthien_22 (DJ), Madvan_21

(DJ), Magel_18 (DJ), MajinBuu_21 (DJ), Mossy_22 (DJ), Mysticmoon_20 (DJ), Nadmeg_21 (DJ), Nithya_21 (DJ), NoPickles_18 (DJ), Odesza_18 (DJ), OhMyWard_21 (DJ), OlgasClover_21 (DJ), Perknas_20 (DJ), PestoPenguin_23 (DJ), Petite_19 (DJ), Phepper_21 (DJ), Pherobrine_20 (DJ), Rickmore_19 (DJ), Roney_18 (DJ), Runhaar_21 (DJ), Schwartz33_22 (DJ), Secretariat_19 (DJ), ShaggyRogers_21 (DJ), SweetCrkHerbs_20 (DJ), Tairn4Wing_20 (DJ), Talon44_19 (DJ), Tanis_18 (DJ), TenaciousP_21 (DJ), Tonaltzin_23 (DJ), Trufflozitus_18 (DJ), Untouchable_20 (DJ), Vardy_21 (DJ), Zeph_22 (DJ),

Start 31:

- Found in 1 of 189 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 151
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Count_18 (EL),

Start 33:

- Found in 57 of 189 (30.2%) of genes in pham
- Manual Annotations of this start: 21 of 151
- Called 40.4% of time when present
- Phage (with cluster) where this start called: Arcadia_11 (AM), BenitoAntonio_11 (AM), Benllo_10 (AM), Bowling_11 (AM), Cheesy_11 (AM), Circum_11 (AM), Correa_11 (AM), Dynamite_11 (AM), Elsa_11 (AM), GoCrazy_10 (AM), Hankly_10 (AM), Heisenberger_11 (AM), JEGGS_11 (AM), Kardesai_10 (AM), KeaneyLin_10 (AM), Mooshroom_11 (AM), Mudcat_11 (AM), NapoleonB_11 (AM), Nason_11 (AM), Stardom_10 (AM), Tribby_11 (AM), Xenomorph_10 (AM), YoshiYama_10 (AM),

Start 34:

- Found in 9 of 189 (4.8%) of genes in pham
- Manual Annotations of this start: 5 of 151
- Called 55.6% of time when present
- Phage (with cluster) where this start called: Bouchard_13 (AU2), Chlochlo_13 (AU2), Giantsbane_14 (AU2), Shepard_13 (AU2), Tokki_13 (AU2),

Start 35:

- Found in 9 of 189 (4.8%) of genes in pham
- Manual Annotations of this start: 4 of 151
- Called 44.4% of time when present
- Phage (with cluster) where this start called: Anandi_13 (AU4), LilHuddy_13 (AU2), Phaby_13 (AU2), Tipton_13 (AU2),

Start 37:

- Found in 1 of 189 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 151
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LibertyBell_11 (BI3),

Start 39:

- Found in 23 of 189 (12.2%) of genes in pham
- Manual Annotations of this start: 12 of 151
- Called 52.2% of time when present
- Phage (with cluster) where this start called: ClubPenguin_11 (BI7), DrGrey_13 (BI1), Esketit_13 (BI1), Espio_13 (BI1), FidgetOrca_13 (BI1), FrodoSwaggins_13 (BI1), Indigenous_13 (BI1), Maya_13 (BI1), OlympicHelado_13 (BI1), Popy_13 (BI1),

Rima_13 (BI1), Spectropatronm_13 (BI1),

Start 40:

- Found in 34 of 189 (18.0%) of genes in pham
- Manual Annotations of this start: 20 of 151
- Called 64.7% of time when present
- Phage (with cluster) where this start called: Bing_13 (BI5), CherryBlossom_13 (BI1), CricKo_10 (BI4), FromIndy_11 (BI4), HazuAndZazu_13 (BI1), Hoshi_13 (BI1), IceWarrior_13 (BI1), Jaylociraptor_13 (BI1), Kardashian_11 (BI6), Madamoto_13 (BI1), Meibysrarus_13 (BI1), Miek_10 (BI4), Namu_13 (BI1), Rainydai_10 (BI4), Regigigas_11 (BI4), SendItCS_10 (BI4), Soshi_13 (BI1), TaidaOne_13 (BI1), Thiqqums_10 (BI4), TieDye_12 (BI1), TonyStarch_13 (BI1), Wigberry_12 (BI5),

Start 45:

- Found in 4 of 189 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 151
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Yotsuba_17 (JA),

Start 47:

- Found in 8 of 189 (4.2%) of genes in pham
- Manual Annotations of this start: 7 of 151
- Called 87.5% of time when present
- Phage (with cluster) where this start called: AddiRose_16 (JA), Daddyjeff_16 (JA), Eevee_17 (JA), JoyLin_17 (JA), Pippin15_16 (JA), Serenabean_16 (JA), Sweetclover_17 (JA),

Summary by clusters:

There are 17 clusters represented in this pham: EL, BI5, DJ, CC, AM, JA, BI7, AU2, AU4, AW, AU6, BI6, FI, BI4, FK, BI3, BI1,

Info for manual annotations of cluster AM:

- Start number 33 was manually annotated 21 times for cluster AM.

Info for manual annotations of cluster AU2:

- Start number 34 was manually annotated 5 times for cluster AU2.
- Start number 35 was manually annotated 3 times for cluster AU2.

Info for manual annotations of cluster AU4:

- Start number 35 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster AU6:

- Start number 29 was manually annotated 14 times for cluster AU6.

Info for manual annotations of cluster AW:

- Start number 25 was manually annotated 1 time for cluster AW.

Info for manual annotations of cluster BI1:

- Start number 39 was manually annotated 11 times for cluster BI1.
- Start number 40 was manually annotated 12 times for cluster BI1.

Info for manual annotations of cluster BI3:

- Start number 37 was manually annotated 1 time for cluster BI3.

Info for manual annotations of cluster BI4:

- Start number 40 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster BI5:

- Start number 40 was manually annotated 2 times for cluster BI5.

Info for manual annotations of cluster BI6:

- Start number 40 was manually annotated 1 time for cluster BI6.

Info for manual annotations of cluster BI7:

- Start number 39 was manually annotated 1 time for cluster BI7.

Info for manual annotations of cluster DJ:

- Start number 30 was manually annotated 58 times for cluster DJ.

Info for manual annotations of cluster EL:

- Start number 22 was manually annotated 1 time for cluster EL.
- Start number 25 was manually annotated 2 times for cluster EL.
- Start number 31 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster FK:

- Start number 23 was manually annotated 3 times for cluster FK.

Info for manual annotations of cluster JA:

- Start number 45 was manually annotated 1 time for cluster JA.
- Start number 47 was manually annotated 7 times for cluster JA.

Gene Information:

Gene: AddiRose_16 Start: 11861, Stop: 12460, Start Num: 47

Candidate Starts for AddiRose_16:

(Start: 47 @11861 has 7 MA's), (49, 11906), (55, 11930), (57, 11960), (79, 12119), (93, 12251), (94, 12254), (97, 12266), (101, 12320), (102, 12332),

Gene: Aflac_21 Start: 15031, Stop: 15642, Start Num: 30

Candidate Starts for Aflac_21:

(18, 15004), (21, 15013), (Start: 23 @15016 has 3 MA's), (Start: 30 @15031 has 58 MA's), (Start: 33 @15040 has 21 MA's), (36, 15058), (42, 15073), (44, 15115), (69, 15322), (74, 15364), (82, 15406),

Gene: AlainaMarie_21 Start: 15021, Stop: 15629, Start Num: 30

Candidate Starts for AlainaMarie_21:

(11, 14955), (18, 14994), (21, 15003), (Start: 23 @15006 has 3 MA's), (Start: 30 @15021 has 58 MA's), (Start: 33 @15030 has 21 MA's), (44, 15105), (69, 15312), (74, 15354), (82, 15396),

Gene: Aloe25_23 Start: 14821, Stop: 15429, Start Num: 30

Candidate Starts for Aloe25_23:

(1, 14590), (2, 14665), (3, 14704), (4, 14707), (8, 14731), (9, 14734), (10, 14743), (16, 14785), (18, 14794), (21, 14803), (Start: 23 @14806 has 3 MA's), (Start: 30 @14821 has 58 MA's), (42, 14863), (44, 14905), (69, 15112), (74, 15154), (82, 15196),

Gene: Altjira_11 Start: 8177, Stop: 8908, Start Num: 29

Candidate Starts for Altjira_11:

(Start: 29 @8177 has 14 MA's), (61, 8450), (66, 8477), (70, 8504), (101, 8768), (104, 8798), (112, 8900),

Gene: Anandi_13 Start: 8811, Stop: 9578, Start Num: 35

Candidate Starts for Anandi_13:

(Start: 34 @8808 has 5 MA's), (Start: 35 @8811 has 4 MA's), (44, 8886), (48, 8928), (61, 9030), (73, 9111), (86, 9192), (89, 9219), (103, 9360),

Gene: Arataki_20 Start: 14150, Stop: 14758, Start Num: 30

Candidate Starts for Arataki_20:

(11, 14084), (18, 14123), (21, 14132), (Start: 23 @14135 has 3 MA's), (Start: 30 @14150 has 58 MA's), (Start: 33 @14159 has 21 MA's), (44, 14234), (61, 14396), (69, 14441), (74, 14483), (82, 14525), (106, 14729),

Gene: Arcadia_11 Start: 7831, Stop: 8442, Start Num: 33

Candidate Starts for Arcadia_11:

(Start: 33 @7831 has 21 MA's), (48, 7951), (58, 8020), (61, 8053), (81, 8167),

Gene: Argan_11 Start: 7698, Stop: 8429, Start Num: 29

Candidate Starts for Argan_11:

(Start: 29 @7698 has 14 MA's), (61, 7971), (66, 7998), (70, 8025), (101, 8289), (104, 8319), (112, 8421),

Gene: ArtetaBall_21 Start: 13743, Stop: 14351, Start Num: 30

Candidate Starts for ArtetaBall_21:

(11, 13677), (16, 13707), (18, 13716), (21, 13725), (Start: 23 @13728 has 3 MA's), (Start: 30 @13743 has 58 MA's), (Start: 33 @13752 has 21 MA's), (44, 13827), (69, 14034), (74, 14076), (82, 14118), (106, 14322),

Gene: Artorias_18 Start: 12367, Stop: 12981, Start Num: 30

Candidate Starts for Artorias_18:

(Start: 30 @12367 has 58 MA's), (38, 12400), (42, 12409), (69, 12664), (74, 12706), (82, 12748), (101, 12907),

Gene: Arzan_10 Start: 6829, Stop: 7500, Start Num: 29

Candidate Starts for Arzan_10:

(Start: 29 @6829 has 14 MA's), (54, 7018), (61, 7093), (87, 7249), (101, 7360),

Gene: Avazak_18 Start: 12374, Stop: 12988, Start Num: 30

Candidate Starts for Avazak_18:

(Start: 30 @12374 has 58 MA's), (38, 12407), (42, 12416), (69, 12671), (74, 12713), (82, 12755), (101, 12914),

Gene: BarbieDoll_16 Start: 9649, Stop: 10374, Start Num: 29

Candidate Starts for BarbieDoll_16:

(Start: 29 @9649 has 14 MA's), (61, 9916), (85, 10078), (101, 10234), (103, 10255), (104, 10264),

Gene: Barbonzobean_15 Start: 9345, Stop: 10070, Start Num: 29
Candidate Starts for Barbonzobean_15:
(26, 9342), (Start: 29 @9345 has 14 MA's), (41, 9378), (61, 9612), (101, 9930), (103, 9951), (104, 9960), (110, 10029),

Gene: BenitoAntonio_11 Start: 7439, Stop: 8050, Start Num: 33
Candidate Starts for BenitoAntonio_11:
(Start: 33 @7439 has 21 MA's), (48, 7559), (58, 7628), (81, 7775),

Gene: Benllo_10 Start: 7441, Stop: 8052, Start Num: 33
Candidate Starts for Benllo_10:
(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: BetterYeti_21 Start: 14821, Stop: 15429, Start Num: 30
Candidate Starts for BetterYeti_21:
(1, 14590), (2, 14665), (3, 14704), (4, 14707), (8, 14731), (9, 14734), (10, 14743), (16, 14785), (18, 14794), (21, 14803), (Start: 23 @14806 has 3 MA's), (Start: 30 @14821 has 58 MA's), (42, 14863), (44, 14905), (69, 15112), (74, 15154), (82, 15196),

Gene: Bing_13 Start: 7765, Stop: 8283, Start Num: 40
Candidate Starts for Bing_13:
(36, 7759), (Start: 40 @7765 has 20 MA's), (59, 7957), (63, 7999), (91, 8191), (99, 8233),

Gene: Biscute_13 Start: 9345, Stop: 10070, Start Num: 29
Candidate Starts for Biscute_13:
(Start: 29 @9345 has 14 MA's), (61, 9612), (98, 9885), (101, 9930), (103, 9951), (104, 9960),

Gene: BlackHoleSun_13 Start: 7519, Stop: 8250, Start Num: 29
Candidate Starts for BlackHoleSun_13:
(Start: 29 @7519 has 14 MA's), (61, 7792), (66, 7819), (101, 8110), (104, 8140), (112, 8242),

Gene: Blanky_21 Start: 16021, Stop: 16635, Start Num: 30
Candidate Starts for Blanky_21:
(21, 16003), (Start: 30 @16021 has 58 MA's), (42, 16063), (44, 16105), (69, 16312), (74, 16351), (82, 16393),

Gene: BluerMoon_21 Start: 15025, Stop: 15636, Start Num: 30
Candidate Starts for BluerMoon_21:
(18, 14998), (21, 15007), (Start: 23 @15010 has 3 MA's), (Start: 30 @15025 has 58 MA's), (Start: 33 @15034 has 21 MA's), (36, 15052), (42, 15067), (44, 15109), (69, 15316), (74, 15358), (82, 15400),

Gene: Bouchard_13 Start: 9100, Stop: 9834, Start Num: 34
Candidate Starts for Bouchard_13:
(Start: 34 @9100 has 5 MA's), (Start: 35 @9103 has 4 MA's), (48, 9223), (70, 9379), (73, 9406), (86, 9487), (89, 9514), (108, 9700),

Gene: Bowling_11 Start: 7441, Stop: 8052, Start Num: 33
Candidate Starts for Bowling_11:
(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (81, 7777),

Gene: Bugg_20 Start: 12380, Stop: 12994, Start Num: 30
Candidate Starts for Bugg_20:

(Start: 30 @12380 has 58 MA's), (38, 12413), (42, 12422), (69, 12677), (74, 12719), (82, 12761), (101, 12920),

Gene: Burley_21 Start: 14783, Stop: 15391, Start Num: 30

Candidate Starts for Burley_21:

(11, 14717), (16, 14747), (18, 14756), (21, 14765), (Start: 23 @14768 has 3 MA's), (Start: 30 @14783 has 58 MA's), (Start: 33 @14792 has 21 MA's), (44, 14867), (61, 15029), (69, 15074), (74, 15116), (82, 15158), (106, 15362),

Gene: CWormy_21 Start: 14482, Stop: 15090, Start Num: 30

Candidate Starts for CWormy_21:

(11, 14416), (12, 14422), (18, 14455), (21, 14464), (Start: 30 @14482 has 58 MA's), (Start: 33 @14491 has 21 MA's), (44, 14566), (51, 14647), (61, 14728), (69, 14773), (74, 14815), (82, 14857), (106, 15061),

Gene: Camille_13 Start: 7538, Stop: 8218, Start Num: 22

Candidate Starts for Camille_13:

(20, 7532), (Start: 22 @7538 has 1 MA's), (Start: 25 @7547 has 3 MA's), (78, 7901), (88, 7988), (89, 7991), (105, 8111),

Gene: Captrips_18 Start: 12374, Stop: 12988, Start Num: 30

Candidate Starts for Captrips_18:

(Start: 30 @12374 has 58 MA's), (38, 12407), (42, 12416), (69, 12671), (74, 12713), (82, 12755), (101, 12914),

Gene: Capybara_18 Start: 12093, Stop: 12707, Start Num: 30

Candidate Starts for Capybara_18:

(Start: 30 @12093 has 58 MA's), (38, 12126), (42, 12135), (69, 12390), (74, 12432), (82, 12474), (101, 12633),

Gene: Cheesy_11 Start: 7441, Stop: 8052, Start Num: 33

Candidate Starts for Cheesy_11:

(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: CherryBlossom_13 Start: 8239, Stop: 8730, Start Num: 40

Candidate Starts for CherryBlossom_13:

(Start: 39 @8236 has 12 MA's), (Start: 40 @8239 has 20 MA's), (46, 8308), (59, 8404), (61, 8425), (64, 8452), (65, 8455), (95, 8659), (99, 8680),

Gene: ChickyNuggy_19 Start: 12085, Stop: 12699, Start Num: 30

Candidate Starts for ChickyNuggy_19:

(Start: 30 @12085 has 58 MA's), (38, 12118), (42, 12127), (69, 12382), (74, 12424), (82, 12466), (101, 12625),

Gene: Chikenjars_21 Start: 15021, Stop: 15632, Start Num: 30

Candidate Starts for Chikenjars_21:

(11, 14955), (18, 14994), (21, 15003), (Start: 23 @15006 has 3 MA's), (Start: 30 @15021 has 58 MA's), (Start: 33 @15030 has 21 MA's), (44, 15105), (69, 15312), (74, 15354), (82, 15396),

Gene: Chlochlo_13 Start: 9135, Stop: 9869, Start Num: 34

Candidate Starts for Chlochlo_13:

(Start: 34 @9135 has 5 MA's), (Start: 35 @9138 has 4 MA's), (48, 9258), (70, 9414), (73, 9441), (86, 9522), (89, 9549), (108, 9735),

Gene: Circum_11 Start: 7441, Stop: 8052, Start Num: 33
Candidate Starts for Circum_11:
(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: Citrus_20 Start: 15028, Stop: 15636, Start Num: 30
Candidate Starts for Citrus_20:
(11, 14962), (21, 15010), (Start: 23 @15013 has 3 MA's), (Start: 30 @15028 has 58 MA's), (Start: 33 @15037 has 21 MA's), (44, 15112), (69, 15319), (74, 15361), (82, 15403),

Gene: ClubPenguin_11 Start: 8208, Stop: 8738, Start Num: 39
Candidate Starts for ClubPenguin_11:
(5, 8064), (6, 8067), (7, 8079), (14, 8130), (Start: 23 @8160 has 3 MA's), (Start: 39 @8208 has 12 MA's), (43, 8232), (71, 8460), (91, 8649), (99, 8691),

Gene: Conley_18 Start: 12391, Stop: 13005, Start Num: 30
Candidate Starts for Conley_18:
(Start: 30 @12391 has 58 MA's), (38, 12424), (42, 12433), (46, 12490), (69, 12688), (72, 12706), (74, 12730), (82, 12772), (101, 12931),

Gene: Correa_11 Start: 7441, Stop: 8052, Start Num: 33
Candidate Starts for Correa_11:
(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: Count_18 Start: 10435, Stop: 11076, Start Num: 31
Candidate Starts for Count_18:
(Start: 31 @10435 has 1 MA's), (Start: 40 @10462 has 20 MA's), (92, 10894), (100, 10936),

Gene: CricKo_10 Start: 6940, Stop: 7428, Start Num: 40
Candidate Starts for CricKo_10:
(Start: 40 @6940 has 20 MA's), (71, 7183), (80, 7249), (91, 7342), (99, 7384),

Gene: Crocheter_20 Start: 13743, Stop: 14351, Start Num: 30
Candidate Starts for Crocheter_20:
(11, 13677), (16, 13707), (18, 13716), (21, 13725), (Start: 23 @13728 has 3 MA's), (Start: 30 @13743 has 58 MA's), (Start: 33 @13752 has 21 MA's), (44, 13827), (61, 13989), (69, 14034), (74, 14076), (82, 14118), (106, 14322),

Gene: Daddyjeff_16 Start: 11817, Stop: 12416, Start Num: 47
Candidate Starts for Daddyjeff_16:
(Start: 47 @11817 has 7 MA's), (49, 11862), (55, 11886), (79, 12075), (83, 12105), (93, 12207), (94, 12210), (96, 12219), (97, 12222), (102, 12288),

Gene: Damascus_13 Start: 7411, Stop: 8085, Start Num: 25
Candidate Starts for Damascus_13:
(13, 7366), (20, 7396), (Start: 25 @7411 has 3 MA's), (88, 7855), (89, 7858), (90, 7879),

Gene: Dancer_18 Start: 12073, Stop: 12687, Start Num: 30
Candidate Starts for Dancer_18:
(Start: 30 @12073 has 58 MA's), (38, 12106), (42, 12115), (69, 12370), (74, 12412), (82, 12454), (101, 12613),

Gene: Demure_20 Start: 14150, Stop: 14758, Start Num: 30

Candidate Starts for Demure_20:

(11, 14084), (18, 14123), (21, 14132), (Start: 23 @14135 has 3 MA's), (Start: 30 @14150 has 58 MA's), (Start: 33 @14159 has 21 MA's), (44, 14234), (61, 14396), (69, 14441), (74, 14483), (82, 14525), (106, 14729),

Gene: Dialga_21 Start: 13765, Stop: 14373, Start Num: 30

Candidate Starts for Dialga_21:

(11, 13699), (18, 13738), (21, 13747), (Start: 30 @13765 has 58 MA's), (Start: 33 @13774 has 21 MA's), (44, 13849), (51, 13930), (61, 14011), (69, 14056), (74, 14098), (82, 14140), (106, 14344),

Gene: DizzyRudy_13 Start: 7409, Stop: 8083, Start Num: 25

Candidate Starts for DizzyRudy_13:

(13, 7364), (20, 7394), (Start: 25 @7409 has 3 MA's), (88, 7853), (89, 7856), (90, 7877),

Gene: DrGrey_13 Start: 8738, Stop: 9232, Start Num: 39

Candidate Starts for DrGrey_13:

(Start: 39 @8738 has 12 MA's), (Start: 40 @8741 has 20 MA's), (46, 8810), (59, 8906), (61, 8927), (64, 8954), (65, 8957), (95, 9161), (99, 9182),

Gene: Duffington_21 Start: 15006, Stop: 15617, Start Num: 30

Candidate Starts for Duffington_21:

(11, 14940), (18, 14979), (21, 14988), (Start: 23 @14991 has 3 MA's), (Start: 30 @15006 has 58 MA's), (Start: 33 @15015 has 21 MA's), (44, 15090), (69, 15297), (74, 15339), (82, 15381),

Gene: Dynamite_11 Start: 7441, Stop: 8052, Start Num: 33

Candidate Starts for Dynamite_11:

(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: Eddiemania_22 Start: 15695, Stop: 16303, Start Num: 30

Candidate Starts for Eddiemania_22:

(15, 15656), (21, 15677), (Start: 23 @15680 has 3 MA's), (Start: 30 @15695 has 58 MA's), (Start: 33 @15704 has 21 MA's), (44, 15779), (59, 15920), (61, 15941), (69, 15986), (74, 16028), (82, 16070),

Gene: Eevee_17 Start: 13823, Stop: 14371, Start Num: 47

Candidate Starts for Eevee_17:

(Start: 45 @13808 has 1 MA's), (Start: 47 @13823 has 7 MA's), (53, 13868), (93, 14183), (97, 14198), (109, 14306),

Gene: Elsa_11 Start: 7831, Stop: 8442, Start Num: 33

Candidate Starts for Elsa_11:

(Start: 33 @7831 has 21 MA's), (48, 7951), (58, 8020), (61, 8053), (81, 8167),

Gene: Elver_27 Start: 17557, Stop: 18336, Start Num: 23

Candidate Starts for Elver_27:

(17, 17542), (18, 17545), (19, 17548), (Start: 23 @17557 has 3 MA's), (32, 17581), (48, 17701), (52, 17725), (75, 17890), (87, 17974),

Gene: EndAve_21 Start: 15021, Stop: 15632, Start Num: 30

Candidate Starts for EndAve_21:

(11, 14955), (18, 14994), (21, 15003), (Start: 23 @15006 has 3 MA's), (Start: 30 @15021 has 58 MA's), (Start: 33 @15030 has 21 MA's), (44, 15105), (69, 15312), (74, 15354), (82, 15396),

Gene: Esketiit_13 Start: 8219, Stop: 8713, Start Num: 39

Candidate Starts for Esketit_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: Espio_13 Start: 8739, Stop: 9233, Start Num: 39

Candidate Starts for Espio_13:

(Start: 39 @8739 has 12 MA's), (Start: 40 @8742 has 20 MA's), (46, 8811), (59, 8907), (61, 8928), (64, 8955), (65, 8958), (95, 9162), (99, 9183),

Gene: Fazel_19 Start: 14076, Stop: 14681, Start Num: 30

Candidate Starts for Fazel_19:

(21, 14058), (Start: 30 @14076 has 58 MA's), (42, 14118), (44, 14160), (59, 14301), (69, 14367), (72, 14382), (74, 14406), (82, 14448),

Gene: FidgetOrca_13 Start: 8219, Stop: 8713, Start Num: 39

Candidate Starts for FidgetOrca_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: Figliar_21 Start: 15031, Stop: 15642, Start Num: 30

Candidate Starts for Figliar_21:

(18, 15004), (21, 15013), (Start: 23 @15016 has 3 MA's), (Start: 30 @15031 has 58 MA's), (Start: 33 @15040 has 21 MA's), (36, 15058), (42, 15073), (44, 15115), (69, 15322), (74, 15364), (82, 15406),

Gene: Football_19 Start: 12085, Stop: 12699, Start Num: 30

Candidate Starts for Football_19:

(Start: 30 @12085 has 58 MA's), (38, 12118), (42, 12127), (69, 12382), (74, 12424), (82, 12466), (101, 12625),

Gene: FortCran_18 Start: 12367, Stop: 12981, Start Num: 30

Candidate Starts for FortCran_18:

(Start: 30 @12367 has 58 MA's), (38, 12400), (42, 12409), (69, 12664), (74, 12706), (82, 12748), (101, 12907),

Gene: FrodoSwaggins_13 Start: 8738, Stop: 9232, Start Num: 39

Candidate Starts for FrodoSwaggins_13:

(Start: 39 @8738 has 12 MA's), (Start: 40 @8741 has 20 MA's), (46, 8810), (59, 8906), (61, 8927), (64, 8954), (65, 8957), (95, 9161), (99, 9182),

Gene: FromIndy_11 Start: 6940, Stop: 7428, Start Num: 40

Candidate Starts for FromIndy_11:

(Start: 40 @6940 has 20 MA's), (71, 7183), (80, 7249), (91, 7342), (99, 7384),

Gene: Gandionco_27 Start: 18079, Stop: 18858, Start Num: 23

Candidate Starts for Gandionco_27:

(17, 18064), (18, 18067), (19, 18070), (Start: 23 @18079 has 3 MA's), (32, 18103), (48, 18223), (52, 18247), (75, 18412), (87, 18496),

Gene: GantcherGoblin_11 Start: 7698, Stop: 8429, Start Num: 29

Candidate Starts for GantcherGoblin_11:

(Start: 29 @7698 has 14 MA's), (61, 7971), (66, 7998), (101, 8289), (104, 8319), (112, 8421),

Gene: GermyBearimy_12 Start: 7272, Stop: 7943, Start Num: 29

Candidate Starts for GermyBearimy_12:
(Start: 29 @7272 has 14 MA's), (61, 7536), (87, 7692), (101, 7803),

Gene: Giantsbane_14 Start: 9644, Stop: 10378, Start Num: 34
Candidate Starts for Giantsbane_14:
(Start: 34 @9644 has 5 MA's), (Start: 35 @9647 has 4 MA's), (48, 9767), (70, 9923), (73, 9950), (86, 10031), (89, 10058), (90, 10079),

Gene: Gill_18 Start: 12093, Stop: 12707, Start Num: 30
Candidate Starts for Gill_18:
(Start: 30 @12093 has 58 MA's), (38, 12126), (42, 12135), (69, 12390), (74, 12432), (82, 12474), (101, 12633),

Gene: Glintora_20 Start: 14997, Stop: 15605, Start Num: 30
Candidate Starts for Glintora_20:
(11, 14931), (18, 14970), (21, 14979), (Start: 23 @14982 has 3 MA's), (Start: 30 @14997 has 58 MA's), (Start: 33 @15006 has 21 MA's), (44, 15081), (69, 15288), (74, 15330), (82, 15372),

Gene: GoCrazy_10 Start: 7441, Stop: 8052, Start Num: 33
Candidate Starts for GoCrazy_10:
(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: Gravy_18 Start: 12093, Stop: 12707, Start Num: 30
Candidate Starts for Gravy_18:
(Start: 30 @12093 has 58 MA's), (38, 12126), (42, 12135), (69, 12390), (74, 12432), (82, 12474), (101, 12633),

Gene: Gusicorn_21 Start: 14821, Stop: 15429, Start Num: 30
Candidate Starts for Gusicorn_21:
(1, 14590), (2, 14665), (3, 14704), (4, 14707), (8, 14731), (9, 14734), (10, 14743), (16, 14785), (18, 14794), (21, 14803), (Start: 23 @14806 has 3 MA's), (Start: 30 @14821 has 58 MA's), (42, 14863), (44, 14905), (69, 15112), (74, 15154), (82, 15196),

Gene: Hankly_10 Start: 7465, Stop: 8076, Start Num: 33
Candidate Starts for Hankly_10:
(Start: 33 @7465 has 21 MA's), (48, 7585), (58, 7654), (81, 7801),

Gene: HazuAndZazu_13 Start: 8741, Stop: 9232, Start Num: 40
Candidate Starts for HazuAndZazu_13:
(Start: 39 @8738 has 12 MA's), (Start: 40 @8741 has 20 MA's), (46, 8810), (59, 8906), (61, 8927), (64, 8954), (65, 8957), (95, 9161), (99, 9182),

Gene: Heisenberger_11 Start: 7441, Stop: 8052, Start Num: 33
Candidate Starts for Heisenberger_11:
(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: Hortihabitatio_21 Start: 14447, Stop: 15052, Start Num: 30
Candidate Starts for Hortihabitatio_21:
(21, 14429), (Start: 30 @14447 has 58 MA's), (42, 14489), (69, 14738), (74, 14777), (82, 14819),

Gene: Hoshi_13 Start: 8222, Stop: 8713, Start Num: 40
Candidate Starts for Hoshi_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: Hydrus_22 Start: 15565, Stop: 16173, Start Num: 30

Candidate Starts for Hydrus_22:

(11, 15499), (18, 15538), (21, 15547), (Start: 30 @15565 has 58 MA's), (Start: 33 @15574 has 21 MA's), (44, 15649), (61, 15811), (69, 15856), (74, 15898), (82, 15940), (106, 16144),

Gene: IceWarrior_13 Start: 8222, Stop: 8713, Start Num: 40

Candidate Starts for IceWarrior_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: Indigenous_13 Start: 8219, Stop: 8713, Start Num: 39

Candidate Starts for Indigenous_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: JEGGS_11 Start: 7443, Stop: 8054, Start Num: 33

Candidate Starts for JEGGS_11:

(Start: 33 @7443 has 21 MA's), (48, 7563), (58, 7632), (61, 7665), (81, 7779),

Gene: Jaylociraptor_13 Start: 8222, Stop: 8713, Start Num: 40

Candidate Starts for Jaylociraptor_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: Jazzy4900_11 Start: 6848, Stop: 7519, Start Num: 29

Candidate Starts for Jazzy4900_11:

(Start: 29 @6848 has 14 MA's), (54, 7037), (61, 7112), (84, 7253), (87, 7268), (94, 7346), (101, 7379),

Gene: JeNeSaisPas_26 Start: 18092, Stop: 18871, Start Num: 23

Candidate Starts for JeNeSaisPas_26:

(17, 18077), (18, 18080), (19, 18083), (Start: 23 @18092 has 3 MA's), (32, 18116), (48, 18236), (52, 18260), (75, 18425), (87, 18509),

Gene: Jodelie19_21 Start: 15025, Stop: 15636, Start Num: 30

Candidate Starts for Jodelie19_21:

(18, 14998), (21, 15007), (Start: 23 @15010 has 3 MA's), (Start: 30 @15025 has 58 MA's), (Start: 33 @15034 has 21 MA's), (36, 15052), (42, 15067), (44, 15109), (69, 15316), (74, 15358), (82, 15400),

Gene: JoyLin_17 Start: 13814, Stop: 14362, Start Num: 47

Candidate Starts for JoyLin_17:

(Start: 45 @13799 has 1 MA's), (Start: 47 @13814 has 7 MA's), (53, 13859), (93, 14174), (97, 14189), (109, 14297),

Gene: JulesRay_18 Start: 12367, Stop: 12981, Start Num: 30

Candidate Starts for JulesRay_18:

(Start: 30 @12367 has 58 MA's), (38, 12400), (42, 12409), (69, 12664), (74, 12706), (82, 12748), (101, 12907),

Gene: Kardashian_11 Start: 7953, Stop: 8435, Start Num: 40

Candidate Starts for Kardashian_11:

(Start: 40 @7953 has 20 MA's), (63, 8154), (99, 8391),

Gene: Kardesai_10 Start: 7441, Stop: 8052, Start Num: 33

Candidate Starts for Kardesai_10:

(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: KeaneyLin_10 Start: 7441, Stop: 8052, Start Num: 33

Candidate Starts for KeaneyLin_10:

(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: Kenosha_20 Start: 14166, Stop: 14774, Start Num: 30

Candidate Starts for Kenosha_20:

(11, 14100), (18, 14139), (21, 14148), (Start: 30 @14166 has 58 MA's), (Start: 33 @14175 has 21 MA's), (44, 14250), (61, 14412), (69, 14457), (74, 14499), (82, 14541),

Gene: Kerry_18 Start: 12093, Stop: 12707, Start Num: 30

Candidate Starts for Kerry_18:

(Start: 30 @12093 has 58 MA's), (38, 12126), (42, 12135), (69, 12390), (74, 12432), (82, 12474), (101, 12633),

Gene: KevinMinion_11 Start: 7854, Stop: 8585, Start Num: 29

Candidate Starts for KevinMinion_11:

(Start: 29 @7854 has 14 MA's), (61, 8127), (66, 8154), (101, 8445), (104, 8475), (112, 8577),

Gene: Kinny_14 Start: 9649, Stop: 10374, Start Num: 29

Candidate Starts for Kinny_14:

(Start: 29 @9649 has 14 MA's), (61, 9916), (85, 10078), (101, 10234), (103, 10255), (104, 10264),

Gene: Kureo_28 Start: 16902, Stop: 17681, Start Num: 23

Candidate Starts for Kureo_28:

(17, 16887), (18, 16890), (19, 16893), (Start: 23 @16902 has 3 MA's), (32, 16926), (48, 17046), (52, 17070), (75, 17235), (87, 17319),

Gene: Leathea_12 Start: 7869, Stop: 8600, Start Num: 27

Candidate Starts for Leathea_12:

(27, 7869), (61, 8142), (67, 8172), (70, 8196), (85, 8304), (101, 8460), (104, 8490),

Gene: Lewando_15 Start: 9648, Stop: 10373, Start Num: 29

Candidate Starts for Lewando_15:

(Start: 29 @9648 has 14 MA's), (61, 9915), (98, 10188), (101, 10233), (103, 10254), (104, 10263), (110, 10332),

Gene: LibertyBell_11 Start: 6901, Stop: 7431, Start Num: 37

Candidate Starts for LibertyBell_11:

(Start: 37 @6901 has 1 MA's), (99, 7381),

Gene: LilHuddy_13 Start: 9111, Stop: 9839, Start Num: 35

Candidate Starts for LilHuddy_13:

(24, 9084), (Start: 34 @9108 has 5 MA's), (Start: 35 @9111 has 4 MA's), (48, 9228), (70, 9384), (73, 9411), (86, 9492), (89, 9519),

Gene: Luthien_22 Start: 15022, Stop: 15630, Start Num: 30

Candidate Starts for Luthien_22:

(11, 14956), (18, 14995), (21, 15004), (Start: 23 @15007 has 3 MA's), (Start: 30 @15022 has 58 MA's), (Start: 33 @15031 has 21 MA's), (44, 15106), (69, 15313), (74, 15355), (82, 15397),

Gene: Madamoto_13 Start: 8214, Stop: 8693, Start Num: 40

Candidate Starts for Madamoto_13:

(28, 8181), (Start: 40 @8214 has 20 MA's), (50, 8319), (59, 8376), (64, 8424), (65, 8427), (99, 8643),

Gene: Madvan_21 Start: 14816, Stop: 15424, Start Num: 30

Candidate Starts for Madvan_21:

(11, 14750), (16, 14780), (18, 14789), (21, 14798), (Start: 23 @14801 has 3 MA's), (Start: 30 @14816 has 58 MA's), (Start: 33 @14825 has 21 MA's), (44, 14900), (61, 15062), (69, 15107), (74, 15149), (82, 15191), (106, 15395),

Gene: Magel_18 Start: 12093, Stop: 12707, Start Num: 30

Candidate Starts for Magel_18:

(Start: 30 @12093 has 58 MA's), (38, 12126), (42, 12135), (69, 12390), (74, 12432), (82, 12474), (101, 12633),

Gene: MajinBuu_21 Start: 15026, Stop: 15637, Start Num: 30

Candidate Starts for MajinBuu_21:

(18, 14999), (21, 15008), (Start: 23 @15011 has 3 MA's), (Start: 30 @15026 has 58 MA's), (Start: 33 @15035 has 21 MA's), (36, 15053), (42, 15068), (44, 15110), (69, 15317), (74, 15359), (82, 15401),

Gene: Mardi_13 Start: 8286, Stop: 9017, Start Num: 29

Candidate Starts for Mardi_13:

(Start: 29 @8286 has 14 MA's), (61, 8559), (66, 8586), (101, 8877), (104, 8907), (112, 9009),

Gene: Marianna39_28 Start: 18079, Stop: 18858, Start Num: 23

Candidate Starts for Marianna39_28:

(17, 18064), (18, 18067), (19, 18070), (Start: 23 @18079 has 3 MA's), (32, 18103), (48, 18223), (52, 18247), (75, 18412), (87, 18496),

Gene: Maya_13 Start: 8227, Stop: 8721, Start Num: 39

Candidate Starts for Maya_13:

(Start: 39 @8227 has 12 MA's), (Start: 40 @8230 has 20 MA's), (46, 8299), (59, 8395), (61, 8416), (64, 8443), (65, 8446), (95, 8650), (99, 8671),

Gene: Meibysrarus_13 Start: 8222, Stop: 8713, Start Num: 40

Candidate Starts for Meibysrarus_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: Miek_10 Start: 6940, Stop: 7428, Start Num: 40

Candidate Starts for Miek_10:

(Start: 40 @6940 has 20 MA's), (71, 7183), (80, 7249), (91, 7342), (99, 7384),

Gene: Mooshroom_11 Start: 7441, Stop: 8052, Start Num: 33

Candidate Starts for Mooshroom_11:

(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: Mossy_22 Start: 16236, Stop: 16850, Start Num: 30

Candidate Starts for Mossy_22:

(21, 16218), (Start: 30 @16236 has 58 MA's), (42, 16278), (44, 16320), (69, 16527), (74, 16566), (82, 16608),

Gene: Mudcat_11 Start: 7442, Stop: 8053, Start Num: 33

Candidate Starts for Mudcat_11:

(Start: 33 @7442 has 21 MA's), (48, 7562), (58, 7631), (61, 7664), (81, 7778),

Gene: Muglass_15 Start: 9345, Stop: 10070, Start Num: 29

Candidate Starts for Muglass_15:

(Start: 29 @9345 has 14 MA's), (61, 9612), (98, 9885), (101, 9930), (103, 9951), (104, 9960),

Gene: Mysticmoon_20 Start: 14850, Stop: 15455, Start Num: 30

Candidate Starts for Mysticmoon_20:

(21, 14832), (Start: 30 @14850 has 58 MA's), (42, 14892), (44, 14934), (59, 15075), (69, 15141), (72, 15156), (74, 15180), (82, 15222),

Gene: Nadmeg_21 Start: 14817, Stop: 15425, Start Num: 30

Candidate Starts for Nadmeg_21:

(11, 14751), (16, 14781), (18, 14790), (21, 14799), (Start: 23 @14802 has 3 MA's), (Start: 30 @14817 has 58 MA's), (Start: 33 @14826 has 21 MA's), (44, 14901), (61, 15063), (69, 15108), (74, 15150), (82, 15192), (106, 15396),

Gene: Namo_13 Start: 8222, Stop: 8713, Start Num: 40

Candidate Starts for Namo_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: NapoleonB_11 Start: 7441, Stop: 8052, Start Num: 33

Candidate Starts for NapoleonB_11:

(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: Nason_11 Start: 7831, Stop: 8442, Start Num: 33

Candidate Starts for Nason_11:

(Start: 33 @7831 has 21 MA's), (48, 7951), (58, 8020), (61, 8053), (81, 8167),

Gene: Navi1117_12 Start: 8093, Stop: 8824, Start Num: 29

Candidate Starts for Navi1117_12:

(Start: 29 @8093 has 14 MA's), (61, 8366), (66, 8393), (101, 8684), (104, 8714), (112, 8816),

Gene: Nithya_21 Start: 15021, Stop: 15629, Start Num: 30

Candidate Starts for Nithya_21:

(11, 14955), (18, 14994), (21, 15003), (Start: 23 @15006 has 3 MA's), (Start: 30 @15021 has 58 MA's), (Start: 33 @15030 has 21 MA's), (44, 15105), (69, 15312), (74, 15354), (82, 15396),

Gene: NoPickles_18 Start: 12093, Stop: 12707, Start Num: 30

Candidate Starts for NoPickles_18:

(Start: 30 @12093 has 58 MA's), (38, 12126), (42, 12135), (69, 12390), (74, 12432), (82, 12474), (101, 12633),

Gene: Odesza_18 Start: 12093, Stop: 12707, Start Num: 30

Candidate Starts for Odesza_18:

(Start: 30 @12093 has 58 MA's), (38, 12126), (42, 12135), (69, 12390), (74, 12432), (82, 12474), (101, 12633),

Gene: OhMyWard_21 Start: 15558, Stop: 16172, Start Num: 30

Candidate Starts for OhMyWard_21:

(21, 15540), (Start: 30 @15558 has 58 MA's), (42, 15600), (44, 15642), (69, 15849), (74, 15888), (82, 15930),

Gene: OlgasClover_21 Start: 15754, Stop: 16365, Start Num: 30

Candidate Starts for OlgasClover_21:

(18, 15727), (21, 15736), (Start: 23 @15739 has 3 MA's), (Start: 30 @15754 has 58 MA's), (Start: 33 @15763 has 21 MA's), (36, 15781), (42, 15796), (44, 15838), (69, 16045), (74, 16087), (82, 16129),

Gene: OlympicHelado_13 Start: 8219, Stop: 8713, Start Num: 39

Candidate Starts for OlympicHelado_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: Paella_27 Start: 17559, Stop: 18338, Start Num: 23

Candidate Starts for Paella_27:

(17, 17544), (18, 17547), (19, 17550), (Start: 23 @17559 has 3 MA's), (32, 17583), (48, 17703), (52, 17727), (75, 17892), (87, 17976),

Gene: Pepy6_023 Start: 21319, Stop: 21969, Start Num: 26

Candidate Starts for Pepy6_023:

(16, 21286), (26, 21319), (36, 21352), (44, 21415), (62, 21598), (69, 21634), (72, 21649), (74, 21673), (77, 21688), (82, 21715),

Gene: Perkunas_20 Start: 12889, Stop: 13503, Start Num: 30

Candidate Starts for Perkunas_20:

(Start: 30 @12889 has 58 MA's), (69, 13186), (74, 13228), (82, 13270), (101, 13429),

Gene: PerroGrande22_27 Start: 22648, Stop: 23298, Start Num: 26

Candidate Starts for PerroGrande22_27:

(15, 22612), (18, 22624), (26, 22648), (36, 22681), (44, 22744), (62, 22927), (69, 22963), (74, 23002), (77, 23017), (82, 23044),

Gene: PestoPenguin_23 Start: 14821, Stop: 15429, Start Num: 30

Candidate Starts for PestoPenguin_23:

(1, 14590), (2, 14665), (3, 14704), (4, 14707), (8, 14731), (9, 14734), (10, 14743), (16, 14785), (18, 14794), (21, 14803), (Start: 23 @14806 has 3 MA's), (Start: 30 @14821 has 58 MA's), (42, 14863), (44, 14905), (69, 15112), (74, 15154), (82, 15196),

Gene: Petite_19 Start: 12584, Stop: 13198, Start Num: 30

Candidate Starts for Petite_19:

(Start: 30 @12584 has 58 MA's), (38, 12617), (42, 12626), (46, 12683), (69, 12881), (74, 12923), (82, 12965), (101, 13124),

Gene: Phaby_13 Start: 9100, Stop: 9831, Start Num: 35

Candidate Starts for Phaby_13:

(Start: 34 @9097 has 5 MA's), (Start: 35 @9100 has 4 MA's), (48, 9220), (70, 9376), (86, 9484), (89, 9511), (108, 9697),

Gene: Phaila_11 Start: 7421, Stop: 8152, Start Num: 29

Candidate Starts for Phaila_11:

(Start: 29 @7421 has 14 MA's), (61, 7694), (66, 7721), (101, 8012), (104, 8042), (112, 8144),

Gene: Phepper_21 Start: 14815, Stop: 15423, Start Num: 30

Candidate Starts for Phepper_21:

(11, 14749), (16, 14779), (18, 14788), (21, 14797), (Start: 23 @14800 has 3 MA's), (Start: 30 @14815 has 58 MA's), (Start: 33 @14824 has 21 MA's), (44, 14899), (61, 15061), (69, 15106), (74, 15148), (82, 15190), (106, 15394),

Gene: Pherobrine_20 Start: 14848, Stop: 15453, Start Num: 30

Candidate Starts for Pherobrine_20:

(21, 14830), (Start: 30 @14848 has 58 MA's), (42, 14890), (44, 14932), (59, 15073), (69, 15139), (72, 15154), (74, 15178), (82, 15220),

Gene: Pippin15_16 Start: 11491, Stop: 12030, Start Num: 47

Candidate Starts for Pippin15_16:

(Start: 45 @11476 has 1 MA's), (Start: 47 @11491 has 7 MA's), (93, 11842), (97, 11857), (109, 11965),

Gene: POCO6_025 Start: 23341, Stop: 23991, Start Num: 26

Candidate Starts for POCO6_025:

(15, 23305), (18, 23317), (26, 23341), (36, 23374), (44, 23437), (60, 23599), (62, 23620), (69, 23656), (74, 23695), (77, 23710), (82, 23737),

Gene: PoeMe_13 Start: 8122, Stop: 8853, Start Num: 29

Candidate Starts for PoeMe_13:

(Start: 29 @8122 has 14 MA's), (61, 8395), (66, 8422), (101, 8713), (104, 8743), (107, 8770), (112, 8845),

Gene: Popy_13 Start: 8738, Stop: 9232, Start Num: 39

Candidate Starts for Popy_13:

(Start: 39 @8738 has 12 MA's), (Start: 40 @8741 has 20 MA's), (46, 8810), (59, 8906), (61, 8927), (64, 8954), (65, 8957), (95, 9161), (99, 9182),

Gene: Powelldog_14 Start: 9342, Stop: 10031, Start Num: 25

Candidate Starts for Powelldog_14:

(Start: 25 @9342 has 3 MA's), (46, 9453), (62, 9630), (94, 9846), (103, 9912), (111, 9993),

Gene: Qui_27 Start: 17559, Stop: 18338, Start Num: 23

Candidate Starts for Qui_27:

(17, 17544), (18, 17547), (19, 17550), (Start: 23 @17559 has 3 MA's), (32, 17583), (48, 17703), (52, 17727), (75, 17892), (87, 17976),

Gene: Rainydai_10 Start: 6940, Stop: 7428, Start Num: 40

Candidate Starts for Rainydai_10:

(Start: 40 @6940 has 20 MA's), (71, 7183), (80, 7249), (91, 7342), (99, 7384),

Gene: Regigigas_11 Start: 6940, Stop: 7428, Start Num: 40

Candidate Starts for Regigigas_11:

(Start: 40 @6940 has 20 MA's), (71, 7183), (80, 7249), (91, 7342), (99, 7384),

Gene: Renaldo_17 Start: 9649, Stop: 10374, Start Num: 29

Candidate Starts for Renaldo_17:

(Start: 29 @9649 has 14 MA's), (61, 9916), (70, 9970), (98, 10189), (101, 10234), (103, 10255), (104, 10264),

Gene: Rickmore_19 Start: 13040, Stop: 13651, Start Num: 30

Candidate Starts for Rickmore_19:

(11, 12974), (18, 13013), (21, 13022), (Start: 23 @13025 has 3 MA's), (Start: 30 @13040 has 58 MA's), (Start: 33 @13049 has 21 MA's), (42, 13082), (44, 13124), (56, 13220), (69, 13331), (74, 13373), (82, 13415),

Gene: Rima_13 Start: 8219, Stop: 8713, Start Num: 39

Candidate Starts for Rima_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: Roney_18 Start: 12093, Stop: 12707, Start Num: 30

Candidate Starts for Roney_18:

(Start: 30 @12093 has 58 MA's), (38, 12126), (42, 12135), (69, 12390), (74, 12432), (82, 12474), (101, 12633),

Gene: Runhaar_21 Start: 14817, Stop: 15425, Start Num: 30

Candidate Starts for Runhaar_21:

(11, 14751), (16, 14781), (18, 14790), (21, 14799), (Start: 23 @14802 has 3 MA's), (Start: 30 @14817 has 58 MA's), (Start: 33 @14826 has 21 MA's), (44, 14901), (61, 15063), (69, 15108), (74, 15150), (82, 15192), (106, 15396),

Gene: Schwartz33_22 Start: 15138, Stop: 15734, Start Num: 30

Candidate Starts for Schwartz33_22:

(21, 15120), (Start: 30 @15138 has 58 MA's), (42, 15171), (69, 15423), (74, 15465), (82, 15507),

Gene: Secretariat_19 Start: 13878, Stop: 14474, Start Num: 30

Candidate Starts for Secretariat_19:

(21, 13860), (Start: 30 @13878 has 58 MA's), (42, 13911), (44, 13953), (48, 14001), (69, 14163), (74, 14205), (82, 14247),

Gene: SendItCS_10 Start: 6940, Stop: 7428, Start Num: 40

Candidate Starts for SendItCS_10:

(Start: 40 @6940 has 20 MA's), (71, 7183), (80, 7249), (91, 7342), (99, 7384),

Gene: Serenabean_16 Start: 11846, Stop: 12445, Start Num: 47

Candidate Starts for Serenabean_16:

(Start: 47 @11846 has 7 MA's), (49, 11891), (55, 11915), (79, 12104), (83, 12134), (93, 12236), (94, 12239), (96, 12248), (97, 12251), (102, 12317),

Gene: ShaggyRogers_21 Start: 14820, Stop: 15428, Start Num: 30

Candidate Starts for ShaggyRogers_21:

(1, 14589), (2, 14664), (3, 14703), (4, 14706), (8, 14730), (9, 14733), (10, 14742), (16, 14784), (18, 14793), (21, 14802), (Start: 23 @14805 has 3 MA's), (Start: 30 @14820 has 58 MA's), (42, 14862), (44, 14904), (69, 15111), (74, 15153), (82, 15195),

Gene: Shepard_13 Start: 9105, Stop: 9836, Start Num: 34

Candidate Starts for Shepard_13:

(24, 9081), (Start: 34 @9105 has 5 MA's), (Start: 35 @9108 has 4 MA's), (48, 9225), (70, 9381), (73, 9408), (86, 9489), (89, 9516),

Gene: Soshi_13 Start: 8741, Stop: 9232, Start Num: 40

Candidate Starts for Soshi_13:

(Start: 39 @8738 has 12 MA's), (Start: 40 @8741 has 20 MA's), (46, 8810), (59, 8906), (61, 8927), (64, 8954), (65, 8957), (95, 9161), (99, 9182),

Gene: Spectropatronm_13 Start: 8219, Stop: 8713, Start Num: 39

Candidate Starts for Spectropatronm_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: Stardom_10 Start: 7441, Stop: 8052, Start Num: 33

Candidate Starts for Stardom_10:

(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (81, 7777),

Gene: Stardrop_12 Start: 7995, Stop: 8726, Start Num: 29

Candidate Starts for Stardrop_12:

(Start: 29 @7995 has 14 MA's), (61, 8268), (66, 8295), (101, 8586), (104, 8616), (112, 8718),

Gene: Sunny4976_10 Start: 6848, Stop: 7519, Start Num: 29

Candidate Starts for Sunny4976_10:

(Start: 29 @6848 has 14 MA's), (54, 7037), (61, 7112), (84, 7253), (87, 7268), (94, 7346), (101, 7379),

Gene: SweetCrkHerbs_20 Start: 12565, Stop: 13179, Start Num: 30

Candidate Starts for SweetCrkHerbs_20:

(Start: 30 @12565 has 58 MA's), (69, 12862), (74, 12904), (82, 12946), (101, 13105),

Gene: Sweetclover_17 Start: 11321, Stop: 11929, Start Num: 47

Candidate Starts for Sweetclover_17:

(Start: 47 @11321 has 7 MA's), (55, 11393), (68, 11495), (97, 11726), (101, 11780),

Gene: TaidaOne_13 Start: 8864, Stop: 9355, Start Num: 40

Candidate Starts for TaidaOne_13:

(Start: 39 @8861 has 12 MA's), (Start: 40 @8864 has 20 MA's), (46, 8933), (59, 9029), (61, 9050), (64, 9077), (65, 9080), (95, 9284), (99, 9305),

Gene: Tairn4Wing_20 Start: 12366, Stop: 12980, Start Num: 30

Candidate Starts for Tairn4Wing_20:

(Start: 30 @12366 has 58 MA's), (38, 12399), (42, 12408), (69, 12663), (74, 12705), (82, 12747), (101, 12906),

Gene: Talon44_19 Start: 12565, Stop: 13179, Start Num: 30

Candidate Starts for Talon44_19:

(Start: 30 @12565 has 58 MA's), (69, 12862), (74, 12904), (82, 12946), (101, 13105),

Gene: Tanis_18 Start: 11943, Stop: 12557, Start Num: 30

Candidate Starts for Tanis_18:

(Start: 30 @11943 has 58 MA's), (38, 11976), (42, 11985), (69, 12240), (74, 12282), (82, 12324), (101, 12483),

Gene: TenaciousP_21 Start: 15025, Stop: 15636, Start Num: 30

Candidate Starts for TenaciousP_21:

(18, 14998), (21, 15007), (Start: 23 @15010 has 3 MA's), (Start: 30 @15025 has 58 MA's), (Start: 33 @15034 has 21 MA's), (36, 15052), (42, 15067), (44, 15109), (69, 15316), (74, 15358), (82, 15400),

Gene: Tenney120_12 Start: 7981, Stop: 8712, Start Num: 29

Candidate Starts for Tenney120_12:

(Start: 29 @7981 has 14 MA's), (61, 8254), (66, 8281), (70, 8308), (101, 8572), (104, 8602), (112, 8704),

Gene: Thiqqums_10 Start: 6940, Stop: 7428, Start Num: 40

Candidate Starts for Thiqqums_10:

(Start: 40 @6940 has 20 MA's), (71, 7183), (80, 7249), (91, 7342), (99, 7384),

Gene: TieDye_12 Start: 7932, Stop: 8423, Start Num: 40

Candidate Starts for TieDye_12:

(Start: 39 @7929 has 12 MA's), (Start: 40 @7932 has 20 MA's), (46, 8001), (59, 8097), (61, 8118), (64, 8145), (65, 8148), (95, 8352), (99, 8373),

Gene: Tipton_13 Start: 9138, Stop: 9869, Start Num: 35

Candidate Starts for Tipton_13:

(Start: 34 @9135 has 5 MA's), (Start: 35 @9138 has 4 MA's), (48, 9258), (70, 9414), (73, 9441), (86, 9522), (89, 9549), (108, 9735),

Gene: Tokki_13 Start: 9144, Stop: 9878, Start Num: 34

Candidate Starts for Tokki_13:

(Start: 34 @9144 has 5 MA's), (Start: 35 @9147 has 4 MA's), (48, 9267), (70, 9423), (73, 9450), (86, 9531), (89, 9558), (108, 9744),

Gene: Tonaltzin_23 Start: 15025, Stop: 15636, Start Num: 30

Candidate Starts for Tonaltzin_23:

(18, 14998), (21, 15007), (Start: 23 @15010 has 3 MA's), (Start: 30 @15025 has 58 MA's), (Start: 33 @15034 has 21 MA's), (36, 15052), (42, 15067), (44, 15109), (69, 15316), (74, 15358), (82, 15400),

Gene: TonyStarch_13 Start: 8222, Stop: 8713, Start Num: 40

Candidate Starts for TonyStarch_13:

(Start: 39 @8219 has 12 MA's), (Start: 40 @8222 has 20 MA's), (46, 8291), (59, 8387), (61, 8408), (64, 8435), (65, 8438), (95, 8642), (99, 8663),

Gene: Tribby_11 Start: 7441, Stop: 8052, Start Num: 33

Candidate Starts for Tribby_11:

(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: TrixiePhattel_12 Start: 7939, Stop: 8664, Start Num: 29

Candidate Starts for TrixiePhattel_12:

(Start: 29 @7939 has 14 MA's), (61, 8206), (67, 8236), (76, 8296), (80, 8335), (98, 8479), (101, 8524), (104, 8554), (112, 8656),

Gene: Trufflozitus_18 Start: 12367, Stop: 12981, Start Num: 30

Candidate Starts for Trufflozitus_18:

(Start: 30 @12367 has 58 MA's), (38, 12400), (42, 12409), (69, 12664), (74, 12706), (82, 12748), (101, 12907),

Gene: Untouchable_20 Start: 13742, Stop: 14350, Start Num: 30

Candidate Starts for Untouchable_20:

(11, 13676), (16, 13706), (18, 13715), (21, 13724), (Start: 23 @13727 has 3 MA's), (Start: 30 @13742 has 58 MA's), (Start: 33 @13751 has 21 MA's), (44, 13826), (61, 13988), (69, 14033), (74, 14075), (82, 14117), (106, 14321),

Gene: Uzumaki_12 Start: 7981, Stop: 8712, Start Num: 29

Candidate Starts for Uzumaki_12:

(Start: 29 @7981 has 14 MA's), (61, 8254), (66, 8281), (70, 8308), (101, 8572), (104, 8602), (112, 8704),

Gene: Vardy_21 Start: 14782, Stop: 15390, Start Num: 30

Candidate Starts for Vardy_21:

(11, 14716), (16, 14746), (18, 14755), (21, 14764), (Start: 23 @14767 has 3 MA's), (Start: 30 @14782 has 58 MA's), (Start: 33 @14791 has 21 MA's), (44, 14866), (61, 15028), (69, 15073), (74, 15115), (82, 15157), (106, 15361),

Gene: Wigberry_12 Start: 7310, Stop: 7828, Start Num: 40

Candidate Starts for Wigberry_12:

(36, 7304), (Start: 40 @7310 has 20 MA's), (59, 7502), (63, 7544), (91, 7736), (99, 7778),

Gene: Xenomorph_10 Start: 7441, Stop: 8052, Start Num: 33

Candidate Starts for Xenomorph_10:

(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: YoshiYama_10 Start: 7441, Stop: 8052, Start Num: 33

Candidate Starts for YoshiYama_10:

(Start: 33 @7441 has 21 MA's), (48, 7561), (58, 7630), (61, 7663), (81, 7777),

Gene: Yotsuba_17 Start: 13808, Stop: 14371, Start Num: 45

Candidate Starts for Yotsuba_17:

(Start: 45 @13808 has 1 MA's), (Start: 47 @13823 has 7 MA's), (53, 13868), (93, 14183), (97, 14198), (109, 14306),

Gene: Zeina_12 Start: 7991, Stop: 8722, Start Num: 29

Candidate Starts for Zeina_12:

(Start: 29 @7991 has 14 MA's), (61, 8264), (66, 8291), (101, 8582), (104, 8612), (112, 8714),

Gene: Zeph_22 Start: 15547, Stop: 16155, Start Num: 30

Candidate Starts for Zeph_22:

(11, 15481), (18, 15520), (21, 15529), (Start: 30 @15547 has 58 MA's), (Start: 33 @15556 has 21 MA's), (44, 15631), (61, 15793), (69, 15838), (74, 15880), (82, 15922), (106, 16126),