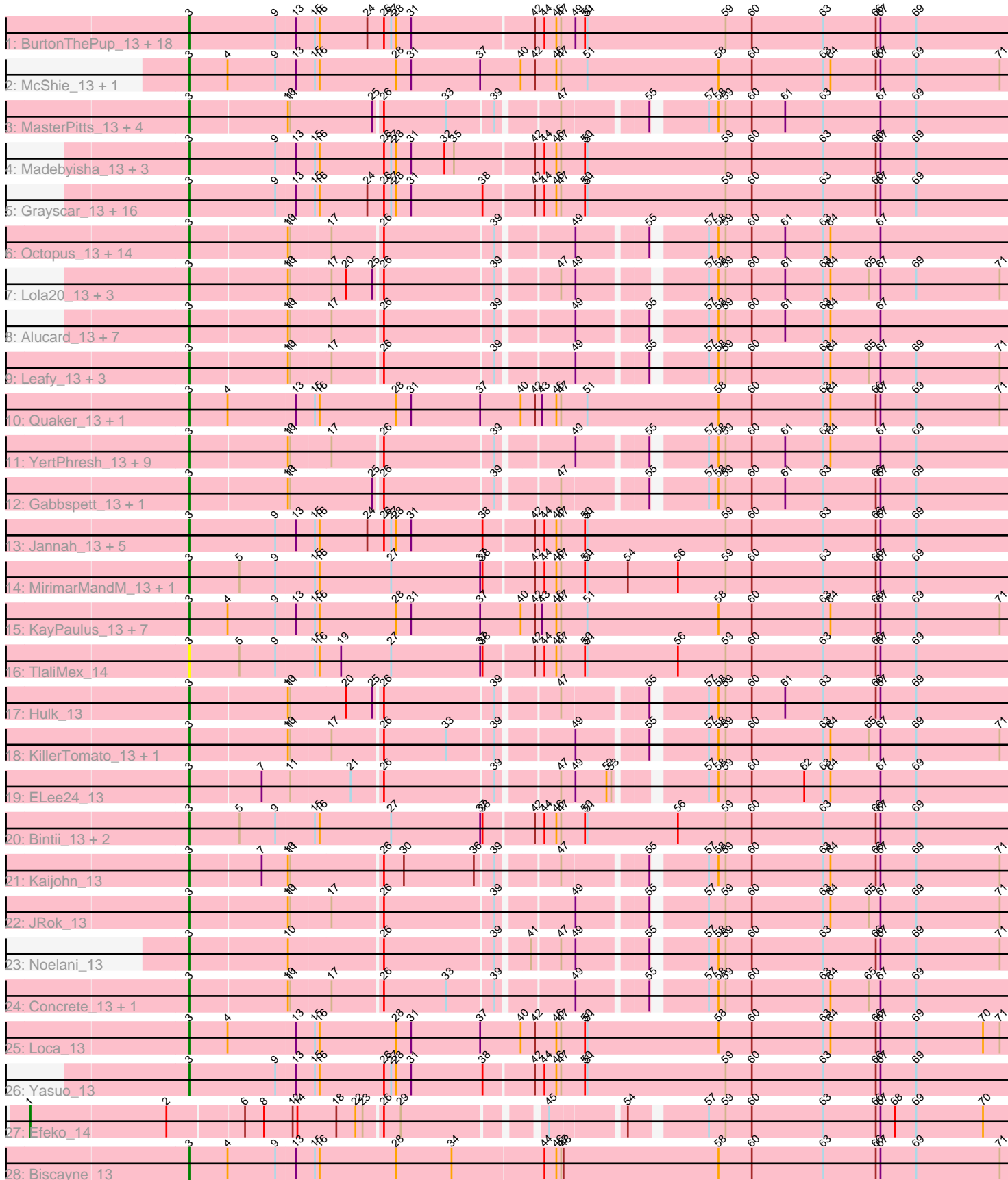


Pham 308275



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 308275 Report

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

Pham number 308275 has 125 members, 4 are drafts.

Phages represented in each track:

- Track 1 : BurtonThePup_13, JaimeB_13, LionelHutz_13, Rhogar_13, Owens_13, HeadMave_13, Slentz_13, Tyrellus_13, Ciel_13, NeumannU_13, BinkBonk_13, Goobery_13, Scrunchy_13, Astro16_13, Majesty_13, Picconator_13, BarBear_13, TeddyBoy_13, Eightball_13
- Track 2 : McShie_13, BrokMonster_13
- Track 3 : MasterPitts_13, DirtPie_13, Zahlia_13, Marichuy_14, DaftyDuck_13
- Track 4 : Madebyisha_13, Jerky_13, OdetoJoy_13, VitulaEligans_13
- Track 5 : Grayscar_13, Burgy_13, Rhysand_13, Danno_13, Cheesecake_13, Vanisius_13, Josuke_13, SantasSleigh_13, Godfather_13, Scamander_13, Otwor_13, Sage7_13, Kojax4_13, Aries55_13, RoscoWindex_13, Avvas_13, LaviMo_13
- Track 6 : Octopus_13, Puddles3_13, Bradley2_13, Horacetta_13, Erin_13, PaoPu_13, Aztec_13, Picnic_13, Duggle_14, Goulash_13, GoldenBlanche_13, Minima_13, ManAs_13, Pondwater_13, Sara_13
- Track 7 : Lola20_13, Baine_13, Anseraureola_13, Cayde6_13
- Track 8 : Alucard_13, EdElric_13, Danimal_13, Gardevoir_13, KyriosFaba_13, JoBros_13, Witch_13, Yubaba_13
- Track 9 : Leafy_13, Oaklynn_13, MrGreen_13, Azizam_13
- Track 10 : Quaker_13, Livingwater_13
- Track 11 : YertPhresh_13, SeaWolves_13, Jahseh_13, Chatham_13, Dooby_13, LemonPepper_13, Gillker_13, Sachet_13, Dongwon_13, Myram_13
- Track 12 : Gabbspett_13, Hernandez44_13
- Track 13 : Jannah_13, TimoTea_13, Luxx_13, Jella_14, Charbie_13, Maneater_13
- Track 14 : MirimarMandM_13, PoRanda_13
- Track 15 : KayPaulus_13, MelBee03_13, Belthelas_13, Douggie_13, Wolfpack_13, Sippinontea_13, Bodhi17_13, Kevanna_13
- Track 16 : TlaliMex_14
- Track 17 : Hulk_13
- Track 18 : KillerTomato_13, Bri160_13
- Track 19 : ELee24_13
- Track 20 : Bintii_13, JooneeDee_13, Upsilon_13
- Track 21 : Kaijohn_13
- Track 22 : JRok_13
- Track 23 : Noelani_13
- Track 24 : Concrete_13, BoomRoasted_13
- Track 25 : Loca_13
- Track 26 : Yasuo_13

- Track 27 : Efeko_14
- Track 28 : Biscayne_13

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

The start number called the most often in the published annotations is 3, it was called in 120 of the 121 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alucard_13, Anseraureola_13, Aries55_13, Astro16_13, Avvas_13, Azizam_13, Aztec_13, Baine_13, BarBear_13, Belthelas_13, BinkBonk_13, Bintii_13, Biscayne_13, Bodhi17_13, BoomRoasted_13, Bradley2_13, Bri160_13, BrokMonster_13, Burgy_13, BurtonThePup_13, Cayde6_13, Charbie_13, Chatham_13, Cheesecake_13, Ciel_13, Concrete_13, DaftyDuck_13, Danimal_13, Danno_13, DirtPie_13, Dongwon_13, Dooby_13, Duggie_13, Duggle_14, ELee24_13, EdElric_13, Eightball_13, Erin_13, Gabbspett_13, Gardevoir_13, Gillker_13, Godfather_13, GoldenBlanche_13, Goobery_13, Goulash_13, Grayscar_13, HeadMave_13, Hernandez44_13, Horacetta_13, Hulk_13, JRok_13, Jahseh_13, JaimeB_13, Jannah_13, Jella_14, Jerky_13, JoBros_13, JooneeDee_13, Josuke_13, Kaijohn_13, KayPaulus_13, Kevanna_13, KillerTomato_13, Kojax4_13, KyriosFaba_13, LaviMo_13, Leafy_13, LemonPepper_13, LionelHutz_13, Livingwater_13, Loca_13, Lola20_13, Luxx_13, Madebyisha_13, Majesty_13, ManAs_13, Maneater_13, Marichuy_14, MasterPitts_13, McShie_13, MelBee03_13, Minima_13, MirimarMandM_13, MrGreen_13, Myram_13, NeumannU_13, Noelani_13, Oaklynn_13, Octopus_13, OdetoJoy_13, Otwor_13, Owens_13, PaoPu_13, Picconator_13, Picnic_13, PoRanda_13, Pondwater_13, Puddles3_13, Quaker_13, Rhogar_13, Rhysand_13, RoscoWindex_13, Sachet_13, Sage7_13, SantasSleigh_13, Sara_13, Scamander_13, Scrunchy_13, SeaWolves_13, Sippinontea_13, Slentz_13, TeddyBoy_13, TimoTea_13, TlaliMex_14, Tyrellus_13, Upsilon_13, Vanisius_13, VitulaEligans_13, Witch_13, Wolfpack_13, Yasuo_13, YertPhresh_13, Yubaba_13, Zahlia_13,

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

-

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

- Efeko_14,

Summary by start number:

Start 1:

- Found in 1 of 125 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 121
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Efeko_14 (EE),

Start 3:

- Found in 124 of 125 (99.2%) of genes in pham
- Manual Annotations of this start: 120 of 121
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Alucard_13 (EE), Anseraureola_13 (EE), Aries55_13 (EE), Astro16_13 (EE), Avvas_13 (EE), Azizam_13 (EE), Aztec_13 (EE), Baine_13 (EE), BarBear_13 (EE), Belthelas_13 (EE), BinkBonk_13 (EE), Bintii_13 (EE), Biscayne_13 (EE), Bodhi17_13 (EE), BoomRoasted_13 (EE), Bradley2_13 (EE), Bri160_13 (EE), BrokMonster_13 (EE), Burgy_13 (EE), BurtonThePup_13 (EE), Cayde6_13 (EE), Charbie_13 (EE), Chatham_13 (EE), Cheesecake_13 (EE), Ciel_13 (EE), Concrete_13 (EE), DaftyDuck_13 (EE), Danimal_13 (EE), Danno_13 (EE), DirtPie_13 (EE), Dongwon_13 (EE), Dooby_13 (EE), Douggie_13 (EE), Duggle_14 (EE), ELee24_13 (EE), EdElric_13 (EE), Eightball_13 (EE), Erin_13 (EE), Gabbspett_13 (EE), Gardevoir_13 (EE), Gillker_13 (EE), Godfather_13 (EE), GoldenBlanche_13 (EE), Goobery_13 (EE), Goulash_13 (EE), Grayscar_13 (EE), HeadMave_13 (EE), Hernandez44_13 (EE), Horacetta_13 (EE), Hulk_13 (EE), JRok_13 (EE), Jahseh_13 (EE), JaimeB_13 (EE), Jannah_13 (EE), Jella_14 (EE), Jerky_13 (EE), JoBros_13 (EE), JooneeDee_13 (EE), Josuke_13 (EE), Kaijohn_13 (EE), KayPaulus_13 (EE), Kevanna_13 (EE), KillerTomato_13 (EE), Kojax4_13 (EE), KyriosFaba_13 (EE), LaviMo_13 (EE), Leafy_13 (EE), LemonPepper_13 (EE), LionelHutz_13 (EE), Livingwater_13 (EE), Loca_13 (EE), Lola20_13 (EE), Luxx_13 (EE), Madebyisha_13 (EE), Majesty_13 (EE), ManAs_13 (EE), Maneater_13 (EE), Marichuy_14 (EE), MasterPitts_13 (EE), McShie_13 (EE), MelBee03_13 (EE), Minima_13 (EE), MirimarMandM_13 (EE), MrGreen_13 (EE), Myram_13 (EE), NeumannU_13 (EE), Noelani_13 (EE), Oaklynn_13 (EE), Octopus_13 (EE), OdetoJoy_13 (EE), Otwor_13 (EE), Owens_13 (EE), PaoPu_13 (EE), Picconator_13 (EE), Picnic_13 (EE), PoRanda_13 (EE), Pondwater_13 (EE), Puddles3_13 (EE), Quaker_13 (EE), Rhogar_13 (EE), Rhysand_13 (EE), RoscoWindex_13 (EE), Sachet_13 (EE), Sage7_13 (EE), SantasSleigh_13 (EE), Sara_13 (EE), Scamander_13 (EE), Scrunchy_13 (EE), SeaWolves_13 (EE), Sippinontea_13 (EE), Slentz_13 (EE), TeddyBoy_13 (EE), TimoTea_13 (EE), TlaliMex_14 (EE), Tyrellus_13 (EE), Upsilon_13 (EE), Vanisius_13 (EE), VitulaEligans_13 (EE), Witch_13 (EE), Wolfpack_13 (EE), Yasuo_13 (EE), YertPhresh_13 (EE), Yubaba_13 (EE), Zahlia_13 (EE),

Summary by clusters:

There is one cluster represented in this pham: EE

Info for manual annotations of cluster EE:

- Start number 1 was manually annotated 1 time for cluster EE.
- Start number 3 was manually annotated 120 times for cluster EE.

Gene Information:

Gene: Alucard_13 Start: 9643, Stop: 10602, Start Num: 3

Candidate Starts for Alucard_13:

(Start: 3 @9643 has 120 MA's), (10, 9763), (11, 9766), (17, 9814), (26, 9874), (39, 10003), (49, 10084), (55, 10165), (57, 10222), (58, 10234), (59, 10243), (60, 10276), (61, 10318), (63, 10366), (64, 10375), (67, 10438),

Gene: Anseraureola_13 Start: 9668, Stop: 10627, Start Num: 3

Candidate Starts for Anseraureola_13:

(Start: 3 @9668 has 120 MA's), (10, 9788), (11, 9791), (17, 9839), (20, 9857), (25, 9890), (26, 9899), (39, 10028), (47, 10094), (49, 10109), (57, 10247), (58, 10259), (59, 10268), (60, 10301), (61, 10343),

(63, 10391), (64, 10400), (65, 10448), (67, 10463), (69, 10508), (71, 10613),

Gene: Aries55_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Aries55_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: Astro16_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for Astro16_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Avvas_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Avvas_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: Azizam_13 Start: 9636, Stop: 10595, Start Num: 3

Candidate Starts for Azizam_13:

(Start: 3 @9636 has 120 MA's), (10, 9756), (11, 9759), (17, 9807), (26, 9867), (39, 9996), (49, 10077), (55, 10158), (57, 10215), (58, 10227), (59, 10236), (60, 10269), (63, 10359), (64, 10368), (65, 10416), (67, 10431), (69, 10476), (71, 10581),

Gene: Aztec_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Aztec_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: Baine_13 Start: 9643, Stop: 10602, Start Num: 3

Candidate Starts for Baine_13:

(Start: 3 @9643 has 120 MA's), (10, 9763), (11, 9766), (17, 9814), (20, 9832), (25, 9865), (26, 9874), (39, 10003), (47, 10069), (49, 10084), (57, 10222), (58, 10234), (59, 10243), (60, 10276), (61, 10318), (63, 10366), (64, 10375), (65, 10423), (67, 10438), (69, 10483), (71, 10588),

Gene: BarBear_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for BarBear_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Belthelas_13 Start: 9692, Stop: 10723, Start Num: 3

Candidate Starts for Belthelas_13:

(Start: 3 @9692 has 120 MA's), (4, 9740), (9, 9800), (13, 9824), (15, 9848), (16, 9854), (28, 9950), (31, 9968), (37, 10055), (40, 10106), (42, 10124), (43, 10133), (46, 10151), (47, 10157), (51, 10190), (58, 10355), (60, 10397), (63, 10487), (64, 10496), (66, 10553), (67, 10559), (69, 10604), (71, 10709),

Gene: BinkBonk_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for BinkBonk_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Bintii_13 Start: 9674, Stop: 10699, Start Num: 3

Candidate Starts for Bintii_13:

(Start: 3 @9674 has 120 MA's), (5, 9737), (9, 9782), (15, 9830), (16, 9836), (27, 9926), (37, 10037), (38, 10040), (42, 10100), (44, 10112), (46, 10127), (47, 10133), (50, 10163), (51, 10166), (56, 10280), (59, 10340), (60, 10373), (63, 10463), (66, 10529), (67, 10535), (69, 10580),

Gene: Biscayne_13 Start: 9710, Stop: 10738, Start Num: 3

Candidate Starts for Biscayne_13:

(Start: 3 @9710 has 120 MA's), (4, 9758), (9, 9818), (13, 9842), (15, 9866), (16, 9872), (28, 9968), (34, 10037), (44, 10151), (46, 10166), (47, 10172), (48, 10175), (58, 10370), (60, 10412), (63, 10502), (66, 10568), (67, 10574), (69, 10619), (71, 10724),

Gene: Bodhi17_13 Start: 9635, Stop: 10666, Start Num: 3

Candidate Starts for Bodhi17_13:

(Start: 3 @9635 has 120 MA's), (4, 9683), (9, 9743), (13, 9767), (15, 9791), (16, 9797), (28, 9893), (31, 9911), (37, 9998), (40, 10049), (42, 10067), (43, 10076), (46, 10094), (47, 10100), (51, 10133), (58, 10298), (60, 10340), (63, 10430), (64, 10439), (66, 10496), (67, 10502), (69, 10547), (71, 10652),

Gene: BoomRoasted_13 Start: 9689, Stop: 10648, Start Num: 3

Candidate Starts for BoomRoasted_13:

(Start: 3 @9689 has 120 MA's), (10, 9809), (11, 9812), (17, 9860), (26, 9920), (33, 9995), (39, 10049), (49, 10130), (55, 10211), (57, 10268), (58, 10280), (59, 10289), (60, 10322), (63, 10412), (64, 10421), (65, 10469), (67, 10484), (69, 10529),

Gene: Bradley2_13 Start: 9641, Stop: 10600, Start Num: 3

Candidate Starts for Bradley2_13:

(Start: 3 @9641 has 120 MA's), (10, 9761), (11, 9764), (17, 9812), (26, 9872), (39, 10001), (49, 10082), (55, 10163), (57, 10220), (58, 10232), (59, 10241), (60, 10274), (61, 10316), (63, 10364), (64, 10373), (67, 10436),

Gene: Bri160_13 Start: 9688, Stop: 10647, Start Num: 3

Candidate Starts for Bri160_13:

(Start: 3 @9688 has 120 MA's), (10, 9808), (11, 9811), (17, 9859), (26, 9919), (33, 9994), (39, 10048), (49, 10129), (55, 10210), (57, 10267), (58, 10279), (59, 10288), (60, 10321), (63, 10411), (64, 10420), (65, 10468), (67, 10483), (69, 10528), (71, 10633),

Gene: BrokMonster_13 Start: 9631, Stop: 10662, Start Num: 3

Candidate Starts for BrokMonster_13:

(Start: 3 @9631 has 120 MA's), (4, 9679), (9, 9739), (13, 9763), (15, 9787), (16, 9793), (28, 9889), (31, 9907), (37, 9994), (40, 10045), (42, 10063), (46, 10090), (47, 10096), (51, 10129), (58, 10294), (60, 10336), (63, 10426), (64, 10435), (66, 10492), (67, 10498), (69, 10543), (71, 10648),

Gene: Burgy_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Burgy_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: BurtonThePup_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for BurtonThePup_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Cayde6_13 Start: 9643, Stop: 10602, Start Num: 3

Candidate Starts for Cayde6_13:

(Start: 3 @9643 has 120 MA's), (10, 9763), (11, 9766), (17, 9814), (20, 9832), (25, 9865), (26, 9874), (39, 10003), (47, 10069), (49, 10084), (57, 10222), (58, 10234), (59, 10243), (60, 10276), (61, 10318), (63, 10366), (64, 10375), (65, 10423), (67, 10438), (69, 10483), (71, 10588),

Gene: Charbie_13 Start: 9630, Stop: 10655, Start Num: 3

Candidate Starts for Charbie_13:

(Start: 3 @9630 has 120 MA's), (9, 9738), (13, 9762), (15, 9786), (16, 9792), (24, 9852), (26, 9873), (27, 9882), (28, 9888), (31, 9906), (38, 9996), (42, 10056), (44, 10068), (46, 10083), (47, 10089), (50, 10119), (51, 10122), (59, 10296), (60, 10329), (63, 10419), (66, 10485), (67, 10491), (69, 10536),

Gene: Chatham_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Chatham_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437), (69, 10482),

Gene: Cheesecake_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Cheesecake_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: Ciel_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for Ciel_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Concrete_13 Start: 9689, Stop: 10648, Start Num: 3

Candidate Starts for Concrete_13:

(Start: 3 @9689 has 120 MA's), (10, 9809), (11, 9812), (17, 9860), (26, 9920), (33, 9995), (39, 10049), (49, 10130), (55, 10211), (57, 10268), (58, 10280), (59, 10289), (60, 10322), (63, 10412), (64, 10421), (65, 10469), (67, 10484), (69, 10529),

Gene: DaftyDuck_13 Start: 9648, Stop: 10610, Start Num: 3

Candidate Starts for DaftyDuck_13:

(Start: 3 @9648 has 120 MA's), (10, 9768), (11, 9771), (25, 9873), (26, 9882), (33, 9957), (39, 10011), (47, 10077), (55, 10173), (57, 10230), (58, 10242), (59, 10251), (60, 10284), (61, 10326), (63, 10374), (67, 10446), (69, 10491),

Gene: Danimal_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Danimal_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: Danno_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Danno_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: DirtPie_13 Start: 9741, Stop: 10703, Start Num: 3

Candidate Starts for DirtPie_13:

(Start: 3 @9741 has 120 MA's), (10, 9861), (11, 9864), (25, 9966), (26, 9975), (33, 10050), (39, 10104), (47, 10170), (55, 10266), (57, 10323), (58, 10335), (59, 10344), (60, 10377), (61, 10419), (63, 10467), (67, 10539), (69, 10584),

Gene: Dongwon_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Dongwon_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437), (69, 10482),

Gene: Dooby_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Dooby_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437), (69, 10482),

Gene: Douggie_13 Start: 9635, Stop: 10666, Start Num: 3

Candidate Starts for Douggie_13:

(Start: 3 @9635 has 120 MA's), (4, 9683), (9, 9743), (13, 9767), (15, 9791), (16, 9797), (28, 9893), (31, 9911), (37, 9998), (40, 10049), (42, 10067), (43, 10076), (46, 10094), (47, 10100), (51, 10133), (58, 10298), (60, 10340), (63, 10430), (64, 10439), (66, 10496), (67, 10502), (69, 10547), (71, 10652),

Gene: Duggle_14 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Duggle_14:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: ELee24_13 Start: 9670, Stop: 10629, Start Num: 3

Candidate Starts for ELee24_13:

(Start: 3 @9670 has 120 MA's), (7, 9757), (11, 9793), (21, 9865), (26, 9901), (39, 10030), (47, 10096), (49, 10111), (52, 10150), (53, 10156), (57, 10249), (58, 10261), (59, 10270), (60, 10303), (62, 10369), (63, 10393), (64, 10402), (67, 10465), (69, 10510),

Gene: EdElric_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for EdElric_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: Efeko_14 Start: 9509, Stop: 10657, Start Num: 1

Candidate Starts for Efeko_14:

(Start: 1 @9509 has 1 MA's), (2, 9677), (6, 9767), (8, 9791), (12, 9827), (14, 9833), (18, 9881), (22, 9905), (23, 9914), (26, 9935), (29, 9956), (45, 10109), (54, 10193), (57, 10277), (59, 10298), (60, 10331), (63, 10421), (66, 10487), (67, 10493), (68, 10511), (69, 10538), (70, 10622),

Gene: Eightball_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for Eightball_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Erin_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Erin_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: Gabbspett_13 Start: 9743, Stop: 10705, Start Num: 3

Candidate Starts for Gabbspett_13:

(Start: 3 @9743 has 120 MA's), (10, 9863), (11, 9866), (25, 9968), (26, 9977), (39, 10106), (47, 10172), (55, 10268), (57, 10325), (58, 10337), (59, 10346), (60, 10379), (61, 10421), (63, 10469), (66, 10535), (67, 10541), (69, 10586),

Gene: Gardevoir_13 Start: 9676, Stop: 10635, Start Num: 3

Candidate Starts for Gardevoir_13:

(Start: 3 @9676 has 120 MA's), (10, 9796), (11, 9799), (17, 9847), (26, 9907), (39, 10036), (49, 10117), (55, 10198), (57, 10255), (58, 10267), (59, 10276), (60, 10309), (61, 10351), (63, 10399), (64, 10408), (67, 10471),

Gene: Gillker_13 Start: 9641, Stop: 10600, Start Num: 3

Candidate Starts for Gillker_13:

(Start: 3 @9641 has 120 MA's), (10, 9761), (11, 9764), (17, 9812), (26, 9872), (39, 10001), (49, 10082), (55, 10163), (57, 10220), (58, 10232), (59, 10241), (60, 10274), (61, 10316), (63, 10364), (64, 10373), (67, 10436), (69, 10481),

Gene: Godfather_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Godfather_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: GoldenBlanche_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for GoldenBlanche_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: Goobery_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for Goobery_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Goulash_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Goulash_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374),

(67, 10437),

Gene: Grayscar_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Grayscar_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: HeadMave_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for HeadMave_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Hernandez44_13 Start: 9743, Stop: 10705, Start Num: 3

Candidate Starts for Hernandez44_13:

(Start: 3 @9743 has 120 MA's), (10, 9863), (11, 9866), (25, 9968), (26, 9977), (39, 10106), (47, 10172), (55, 10268), (57, 10325), (58, 10337), (59, 10346), (60, 10379), (61, 10421), (63, 10469), (66, 10535), (67, 10541), (69, 10586),

Gene: Horacetta_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Horacetta_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: Hulk_13 Start: 9655, Stop: 10617, Start Num: 3

Candidate Starts for Hulk_13:

(Start: 3 @9655 has 120 MA's), (10, 9775), (11, 9778), (20, 9847), (25, 9880), (26, 9889), (39, 10018), (47, 10084), (55, 10180), (57, 10237), (58, 10249), (59, 10258), (60, 10291), (61, 10333), (63, 10381), (66, 10447), (67, 10453), (69, 10498),

Gene: JRok_13 Start: 9633, Stop: 10592, Start Num: 3

Candidate Starts for JRok_13:

(Start: 3 @9633 has 120 MA's), (10, 9753), (11, 9756), (17, 9804), (26, 9864), (39, 9993), (49, 10074), (55, 10155), (57, 10212), (59, 10233), (60, 10266), (63, 10356), (64, 10365), (65, 10413), (67, 10428), (69, 10473), (71, 10578),

Gene: Jahseh_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Jahseh_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437), (69, 10482),

Gene: JaimeB_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for JaimeB_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Jannah_13 Start: 9642, Stop: 10667, Start Num: 3

Candidate Starts for Jannah_13:

(Start: 3 @9642 has 120 MA's), (9, 9750), (13, 9774), (15, 9798), (16, 9804), (24, 9864), (26, 9885), (27, 9894), (28, 9900), (31, 9918), (38, 10008), (42, 10068), (44, 10080), (46, 10095), (47, 10101), (50, 10131), (51, 10134), (59, 10308), (60, 10341), (63, 10431), (66, 10497), (67, 10503), (69, 10548),

Gene: Jella_14 Start: 9666, Stop: 10691, Start Num: 3

Candidate Starts for Jella_14:

(Start: 3 @9666 has 120 MA's), (9, 9774), (13, 9798), (15, 9822), (16, 9828), (24, 9888), (26, 9909), (27, 9918), (28, 9924), (31, 9942), (38, 10032), (42, 10092), (44, 10104), (46, 10119), (47, 10125), (50, 10155), (51, 10158), (59, 10332), (60, 10365), (63, 10455), (66, 10521), (67, 10527), (69, 10572),

Gene: Jerky_13 Start: 9729, Stop: 10754, Start Num: 3

Candidate Starts for Jerky_13:

(Start: 3 @9729 has 120 MA's), (9, 9837), (13, 9861), (15, 9885), (16, 9891), (26, 9972), (27, 9981), (28, 9987), (31, 10005), (32, 10047), (35, 10059), (42, 10155), (44, 10167), (46, 10182), (47, 10188), (50, 10218), (51, 10221), (59, 10395), (60, 10428), (63, 10518), (66, 10584), (67, 10590), (69, 10635),

Gene: JoBros_13 Start: 9643, Stop: 10602, Start Num: 3

Candidate Starts for JoBros_13:

(Start: 3 @9643 has 120 MA's), (10, 9763), (11, 9766), (17, 9814), (26, 9874), (39, 10003), (49, 10084), (55, 10165), (57, 10222), (58, 10234), (59, 10243), (60, 10276), (61, 10318), (63, 10366), (64, 10375), (67, 10438),

Gene: JooneeDee_13 Start: 9674, Stop: 10699, Start Num: 3

Candidate Starts for JooneeDee_13:

(Start: 3 @9674 has 120 MA's), (5, 9737), (9, 9782), (15, 9830), (16, 9836), (27, 9926), (37, 10037), (38, 10040), (42, 10100), (44, 10112), (46, 10127), (47, 10133), (50, 10163), (51, 10166), (56, 10280), (59, 10340), (60, 10373), (63, 10463), (66, 10529), (67, 10535), (69, 10580),

Gene: Josuke_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Josuke_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: Kaijohn_13 Start: 9647, Stop: 10609, Start Num: 3

Candidate Starts for Kaijohn_13:

(Start: 3 @9647 has 120 MA's), (7, 9734), (10, 9767), (11, 9770), (26, 9881), (30, 9905), (36, 9989), (39, 10010), (47, 10076), (55, 10172), (57, 10229), (58, 10241), (59, 10250), (60, 10283), (63, 10373), (64, 10382), (66, 10439), (67, 10445), (69, 10490), (71, 10595),

Gene: KayPaulus_13 Start: 9635, Stop: 10666, Start Num: 3

Candidate Starts for KayPaulus_13:

(Start: 3 @9635 has 120 MA's), (4, 9683), (9, 9743), (13, 9767), (15, 9791), (16, 9797), (28, 9893), (31, 9911), (37, 9998), (40, 10049), (42, 10067), (43, 10076), (46, 10094), (47, 10100), (51, 10133), (58, 10298), (60, 10340), (63, 10430), (64, 10439), (66, 10496), (67, 10502), (69, 10547), (71, 10652),

Gene: Kevanna_13 Start: 9635, Stop: 10666, Start Num: 3

Candidate Starts for Kevanna_13:

(Start: 3 @9635 has 120 MA's), (4, 9683), (9, 9743), (13, 9767), (15, 9791), (16, 9797), (28, 9893), (31, 9911), (37, 9998), (40, 10049), (42, 10067), (43, 10076), (46, 10094), (47, 10100), (51, 10133), (58, 10298), (60, 10340), (63, 10430), (64, 10439), (66, 10496), (67, 10502), (69, 10547), (71, 10652),

Gene: KillerTomato_13 Start: 9688, Stop: 10647, Start Num: 3

Candidate Starts for KillerTomato_13:

(Start: 3 @9688 has 120 MA's), (10, 9808), (11, 9811), (17, 9859), (26, 9919), (33, 9994), (39, 10048), (49, 10129), (55, 10210), (57, 10267), (58, 10279), (59, 10288), (60, 10321), (63, 10411), (64, 10420), (65, 10468), (67, 10483), (69, 10528), (71, 10633),

Gene: Kojax4_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Kojax4_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: KyriosFaba_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for KyriosFaba_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: LaviMo_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for LaviMo_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: Leafy_13 Start: 9658, Stop: 10617, Start Num: 3

Candidate Starts for Leafy_13:

(Start: 3 @9658 has 120 MA's), (10, 9778), (11, 9781), (17, 9829), (26, 9889), (39, 10018), (49, 10099), (55, 10180), (57, 10237), (58, 10249), (59, 10258), (60, 10291), (63, 10381), (64, 10390), (65, 10438), (67, 10453), (69, 10498), (71, 10603),

Gene: LemonPepper_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for LemonPepper_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437), (69, 10482),

Gene: LionelHutz_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for LionelHutz_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Livingwater_13 Start: 9635, Stop: 10666, Start Num: 3

Candidate Starts for Livingwater_13:

(Start: 3 @9635 has 120 MA's), (4, 9683), (13, 9767), (15, 9791), (16, 9797), (28, 9893), (31, 9911), (37, 9998), (40, 10049), (42, 10067), (43, 10076), (46, 10094), (47, 10100), (51, 10133), (58, 10298), (60, 10340), (63, 10430), (64, 10439), (66, 10496), (67, 10502), (69, 10547), (71, 10652),

Gene: Loca_13 Start: 9661, Stop: 10692, Start Num: 3

Candidate Starts for Loca_13:

(Start: 3 @9661 has 120 MA's), (4, 9709), (13, 9793), (15, 9817), (16, 9823), (28, 9919), (31, 9937), (37, 10024), (40, 10075), (42, 10093), (46, 10120), (47, 10126), (50, 10156), (51, 10159), (58, 10324), (60, 10366), (63, 10456), (64, 10465), (66, 10522), (67, 10528), (69, 10573), (70, 10657), (71, 10678),

Gene: Lola20_13 Start: 9643, Stop: 10602, Start Num: 3

Candidate Starts for Lola20_13:

(Start: 3 @9643 has 120 MA's), (10, 9763), (11, 9766), (17, 9814), (20, 9832), (25, 9865), (26, 9874), (39, 10003), (47, 10069), (49, 10084), (57, 10222), (58, 10234), (59, 10243), (60, 10276), (61, 10318), (63, 10366), (64, 10375), (65, 10423), (67, 10438), (69, 10483), (71, 10588),

Gene: Luxx_13 Start: 9666, Stop: 10691, Start Num: 3

Candidate Starts for Luxx_13:

(Start: 3 @9666 has 120 MA's), (9, 9774), (13, 9798), (15, 9822), (16, 9828), (24, 9888), (26, 9909), (27, 9918), (28, 9924), (31, 9942), (38, 10032), (42, 10092), (44, 10104), (46, 10119), (47, 10125), (50, 10155), (51, 10158), (59, 10332), (60, 10365), (63, 10455), (66, 10521), (67, 10527), (69, 10572),

Gene: Madebyisha_13 Start: 9729, Stop: 10754, Start Num: 3

Candidate Starts for Madebyisha_13:

(Start: 3 @9729 has 120 MA's), (9, 9837), (13, 9861), (15, 9885), (16, 9891), (26, 9972), (27, 9981), (28, 9987), (31, 10005), (32, 10047), (35, 10059), (42, 10155), (44, 10167), (46, 10182), (47, 10188), (50, 10218), (51, 10221), (59, 10395), (60, 10428), (63, 10518), (66, 10584), (67, 10590), (69, 10635),

Gene: Majesty_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for Majesty_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: ManAs_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for ManAs_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: Maneater_13 Start: 9630, Stop: 10655, Start Num: 3

Candidate Starts for Maneater_13:

(Start: 3 @9630 has 120 MA's), (9, 9738), (13, 9762), (15, 9786), (16, 9792), (24, 9852), (26, 9873), (27, 9882), (28, 9888), (31, 9906), (38, 9996), (42, 10056), (44, 10068), (46, 10083), (47, 10089), (50, 10119), (51, 10122), (59, 10296), (60, 10329), (63, 10419), (66, 10485), (67, 10491), (69, 10536),

Gene: Marichuy_14 Start: 9741, Stop: 10703, Start Num: 3

Candidate Starts for Marichuy_14:

(Start: 3 @9741 has 120 MA's), (10, 9861), (11, 9864), (25, 9966), (26, 9975), (33, 10050), (39, 10104), (47, 10170), (55, 10266), (57, 10323), (58, 10335), (59, 10344), (60, 10377), (61, 10419), (63, 10467), (67, 10539), (69, 10584),

Gene: MasterPitts_13 Start: 9648, Stop: 10610, Start Num: 3

Candidate Starts for MasterPitts_13:

(Start: 3 @9648 has 120 MA's), (10, 9768), (11, 9771), (25, 9873), (26, 9882), (33, 9957), (39, 10011), (47, 10077), (55, 10173), (57, 10230), (58, 10242), (59, 10251), (60, 10284), (61, 10326), (63, 10374), (67, 10446), (69, 10491),

Gene: McShie_13 Start: 9631, Stop: 10662, Start Num: 3

Candidate Starts for McShie_13:

(Start: 3 @9631 has 120 MA's), (4, 9679), (9, 9739), (13, 9763), (15, 9787), (16, 9793), (28, 9889), (31, 9907), (37, 9994), (40, 10045), (42, 10063), (46, 10090), (47, 10096), (51, 10129), (58, 10294), (60, 10336), (63, 10426), (64, 10435), (66, 10492), (67, 10498), (69, 10543), (71, 10648),

Gene: MelBee03_13 Start: 9635, Stop: 10666, Start Num: 3

Candidate Starts for MelBee03_13:

(Start: 3 @9635 has 120 MA's), (4, 9683), (9, 9743), (13, 9767), (15, 9791), (16, 9797), (28, 9893), (31, 9911), (37, 9998), (40, 10049), (42, 10067), (43, 10076), (46, 10094), (47, 10100), (51, 10133), (58, 10298), (60, 10340), (63, 10430), (64, 10439), (66, 10496), (67, 10502), (69, 10547), (71, 10652),

Gene: Minima_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Minima_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: MirimarMandM_13 Start: 9717, Stop: 10742, Start Num: 3

Candidate Starts for MirimarMandM_13:

(Start: 3 @9717 has 120 MA's), (5, 9780), (9, 9825), (15, 9873), (16, 9879), (27, 9969), (37, 10080), (38, 10083), (42, 10143), (44, 10155), (46, 10170), (47, 10176), (50, 10206), (51, 10209), (54, 10260), (56, 10323), (59, 10383), (60, 10416), (63, 10506), (66, 10572), (67, 10578), (69, 10623),

Gene: MrGreen_13 Start: 9655, Stop: 10614, Start Num: 3

Candidate Starts for MrGreen_13:

(Start: 3 @9655 has 120 MA's), (10, 9775), (11, 9778), (17, 9826), (26, 9886), (39, 10015), (49, 10096), (55, 10177), (57, 10234), (58, 10246), (59, 10255), (60, 10288), (63, 10378), (64, 10387), (65, 10435), (67, 10450), (69, 10495), (71, 10600),

Gene: Myram_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Myram_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437), (69, 10482),

Gene: NeumannU_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for NeumannU_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Noelani_13 Start: 9616, Stop: 10575, Start Num: 3

Candidate Starts for Noelani_13:

(Start: 3 @9616 has 120 MA's), (10, 9736), (26, 9847), (39, 9976), (41, 10009), (47, 10042), (49, 10057), (55, 10138), (57, 10195), (58, 10207), (59, 10216), (60, 10249), (63, 10339), (66, 10405), (67, 10411), (69, 10456), (71, 10561),

Gene: Oaklynn_13 Start: 9636, Stop: 10595, Start Num: 3

Candidate Starts for Oaklynn_13:

(Start: 3 @9636 has 120 MA's), (10, 9756), (11, 9759), (17, 9807), (26, 9867), (39, 9996), (49, 10077), (55, 10158), (57, 10215), (58, 10227), (59, 10236), (60, 10269), (63, 10359), (64, 10368), (65, 10416), (67, 10431), (69, 10476), (71, 10581),

Gene: Octopus_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Octopus_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374),

(67, 10437),

Gene: OdetoJoy_13 Start: 9729, Stop: 10754, Start Num: 3

Candidate Starts for OdetoJoy_13:

(Start: 3 @9729 has 120 MA's), (9, 9837), (13, 9861), (15, 9885), (16, 9891), (26, 9972), (27, 9981), (28, 9987), (31, 10005), (32, 10047), (35, 10059), (42, 10155), (44, 10167), (46, 10182), (47, 10188), (50, 10218), (51, 10221), (59, 10395), (60, 10428), (63, 10518), (66, 10584), (67, 10590), (69, 10635),

Gene: Otwor_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Otwor_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: Owens_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for Owens_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: PaoPu_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for PaoPu_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: Picconator_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for Picconator_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Picnic_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Picnic_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: PoRanda_13 Start: 9717, Stop: 10742, Start Num: 3

Candidate Starts for PoRanda_13:

(Start: 3 @9717 has 120 MA's), (5, 9780), (9, 9825), (15, 9873), (16, 9879), (27, 9969), (37, 10080), (38, 10083), (42, 10143), (44, 10155), (46, 10170), (47, 10176), (50, 10206), (51, 10209), (54, 10260), (56, 10323), (59, 10383), (60, 10416), (63, 10506), (66, 10572), (67, 10578), (69, 10623),

Gene: Pondwater_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Pondwater_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: Puddles3_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Puddles3_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: Quaker_13 Start: 9635, Stop: 10666, Start Num: 3

Candidate Starts for Quaker_13:

(Start: 3 @9635 has 120 MA's), (4, 9683), (13, 9767), (15, 9791), (16, 9797), (28, 9893), (31, 9911), (37, 9998), (40, 10049), (42, 10067), (43, 10076), (46, 10094), (47, 10100), (51, 10133), (58, 10298), (60, 10340), (63, 10430), (64, 10439), (66, 10496), (67, 10502), (69, 10547), (71, 10652),

Gene: Rhogar_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for Rhogar_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Rhysand_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Rhysand_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: RoscoWindex_13 Start: 9655, Stop: 10680, Start Num: 3

Candidate Starts for RoscoWindex_13:

(Start: 3 @9655 has 120 MA's), (9, 9763), (13, 9787), (15, 9811), (16, 9817), (24, 9877), (26, 9898), (27, 9907), (28, 9913), (31, 9931), (38, 10021), (42, 10081), (44, 10093), (46, 10108), (47, 10114), (50, 10144), (51, 10147), (59, 10321), (60, 10354), (63, 10444), (66, 10510), (67, 10516), (69, 10561),

Gene: Sachet_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Sachet_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437), (69, 10482),

Gene: Sage7_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Sage7_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: SantasSleigh_13 Start: 9678, Stop: 10703, Start Num: 3

Candidate Starts for SantasSleigh_13:

(Start: 3 @9678 has 120 MA's), (9, 9786), (13, 9810), (15, 9834), (16, 9840), (24, 9900), (26, 9921), (27, 9930), (28, 9936), (31, 9954), (38, 10044), (42, 10104), (44, 10116), (46, 10131), (47, 10137), (50, 10167), (51, 10170), (59, 10344), (60, 10377), (63, 10467), (66, 10533), (67, 10539), (69, 10584),

Gene: Sara_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for Sara_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437),

Gene: Scamander_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Scamander_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: Scrunchy_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for Scrunchy_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: SeaWolves_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for SeaWolves_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437), (69, 10482),

Gene: Sippinontea_13 Start: 9635, Stop: 10666, Start Num: 3

Candidate Starts for Sippinontea_13:

(Start: 3 @9635 has 120 MA's), (4, 9683), (9, 9743), (13, 9767), (15, 9791), (16, 9797), (28, 9893), (31, 9911), (37, 9998), (40, 10049), (42, 10067), (43, 10076), (46, 10094), (47, 10100), (51, 10133), (58, 10298), (60, 10340), (63, 10430), (64, 10439), (66, 10496), (67, 10502), (69, 10547), (71, 10652),

Gene: Slentz_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for Slentz_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: TeddyBoy_13 Start: 9649, Stop: 10674, Start Num: 3

Candidate Starts for TeddyBoy_13:

(Start: 3 @9649 has 120 MA's), (9, 9757), (13, 9781), (15, 9805), (16, 9811), (24, 9871), (26, 9892), (27, 9901), (28, 9907), (31, 9925), (42, 10075), (44, 10087), (46, 10102), (47, 10108), (49, 10126), (50, 10138), (51, 10141), (59, 10315), (60, 10348), (63, 10438), (66, 10504), (67, 10510), (69, 10555),

Gene: TimoTea_13 Start: 9630, Stop: 10655, Start Num: 3

Candidate Starts for TimoTea_13:

(Start: 3 @9630 has 120 MA's), (9, 9738), (13, 9762), (15, 9786), (16, 9792), (24, 9852), (26, 9873), (27, 9882), (28, 9888), (31, 9906), (38, 9996), (42, 10056), (44, 10068), (46, 10083), (47, 10089), (50, 10119), (51, 10122), (59, 10296), (60, 10329), (63, 10419), (66, 10485), (67, 10491), (69, 10536),

Gene: TlaliMex_14 Start: 9745, Stop: 10770, Start Num: 3

Candidate Starts for TlaliMex_14:

(Start: 3 @9745 has 120 MA's), (5, 9808), (9, 9853), (15, 9901), (16, 9907), (19, 9934), (27, 9997), (37, 10108), (38, 10111), (42, 10171), (44, 10183), (46, 10198), (47, 10204), (50, 10234), (51, 10237), (56, 10351), (59, 10411), (60, 10444), (63, 10534), (66, 10600), (67, 10606), (69, 10651),

Gene: Tyrellus_13 Start: 9648, Stop: 10673, Start Num: 3

Candidate Starts for Tyrellus_13:

(Start: 3 @9648 has 120 MA's), (9, 9756), (13, 9780), (15, 9804), (16, 9810), (24, 9870), (26, 9891), (27, 9900), (28, 9906), (31, 9924), (42, 10074), (44, 10086), (46, 10101), (47, 10107), (49, 10125), (50, 10137), (51, 10140), (59, 10314), (60, 10347), (63, 10437), (66, 10503), (67, 10509), (69, 10554),

Gene: Upsilon_13 Start: 9717, Stop: 10742, Start Num: 3

Candidate Starts for Upsilon_13:

(Start: 3 @9717 has 120 MA's), (5, 9780), (9, 9825), (15, 9873), (16, 9879), (27, 9969), (37, 10080), (38, 10083), (42, 10143), (44, 10155), (46, 10170), (47, 10176), (50, 10206), (51, 10209), (56, 10323), (59, 10383), (60, 10416), (63, 10506), (66, 10572), (67, 10578), (69, 10623),

Gene: Vanisius_13 Start: 9654, Stop: 10679, Start Num: 3

Candidate Starts for Vanisius_13:

(Start: 3 @9654 has 120 MA's), (9, 9762), (13, 9786), (15, 9810), (16, 9816), (24, 9876), (26, 9897), (27, 9906), (28, 9912), (31, 9930), (38, 10020), (42, 10080), (44, 10092), (46, 10107), (47, 10113), (50, 10143), (51, 10146), (59, 10320), (60, 10353), (63, 10443), (66, 10509), (67, 10515), (69, 10560),

Gene: VitulaEligans_13 Start: 9738, Stop: 10763, Start Num: 3

Candidate Starts for VitulaEligans_13:

(Start: 3 @9738 has 120 MA's), (9, 9846), (13, 9870), (15, 9894), (16, 9900), (26, 9981), (27, 9990), (28, 9996), (31, 10014), (32, 10056), (35, 10068), (42, 10164), (44, 10176), (46, 10191), (47, 10197), (50, 10227), (51, 10230), (59, 10404), (60, 10437), (63, 10527), (66, 10593), (67, 10599), (69, 10644),

Gene: Witch_13 Start: 9643, Stop: 10602, Start Num: 3

Candidate Starts for Witch_13:

(Start: 3 @9643 has 120 MA's), (10, 9763), (11, 9766), (17, 9814), (26, 9874), (39, 10003), (49, 10084), (55, 10165), (57, 10222), (58, 10234), (59, 10243), (60, 10276), (61, 10318), (63, 10366), (64, 10375), (67, 10438),

Gene: Wolfpack_13 Start: 9635, Stop: 10666, Start Num: 3

Candidate Starts for Wolfpack_13:

(Start: 3 @9635 has 120 MA's), (4, 9683), (9, 9743), (13, 9767), (15, 9791), (16, 9797), (28, 9893), (31, 9911), (37, 9998), (40, 10049), (42, 10067), (43, 10076), (46, 10094), (47, 10100), (51, 10133), (58, 10298), (60, 10340), (63, 10430), (64, 10439), (66, 10496), (67, 10502), (69, 10547), (71, 10652),

Gene: Yasuo_13 Start: 9639, Stop: 10664, Start Num: 3

Candidate Starts for Yasuo_13:

(Start: 3 @9639 has 120 MA's), (9, 9747), (13, 9771), (15, 9795), (16, 9801), (26, 9882), (27, 9891), (28, 9897), (31, 9915), (38, 10005), (42, 10065), (44, 10077), (46, 10092), (47, 10098), (50, 10128), (51, 10131), (59, 10305), (60, 10338), (63, 10428), (66, 10494), (67, 10500), (69, 10545),

Gene: YertPhresh_13 Start: 9642, Stop: 10601, Start Num: 3

Candidate Starts for YertPhresh_13:

(Start: 3 @9642 has 120 MA's), (10, 9762), (11, 9765), (17, 9813), (26, 9873), (39, 10002), (49, 10083), (55, 10164), (57, 10221), (58, 10233), (59, 10242), (60, 10275), (61, 10317), (63, 10365), (64, 10374), (67, 10437), (69, 10482),

Gene: Yubaba_13 Start: 9676, Stop: 10635, Start Num: 3

Candidate Starts for Yubaba_13:

(Start: 3 @9676 has 120 MA's), (10, 9796), (11, 9799), (17, 9847), (26, 9907), (39, 10036), (49, 10117), (55, 10198), (57, 10255), (58, 10267), (59, 10276), (60, 10309), (61, 10351), (63, 10399), (64, 10408), (67, 10471),

Gene: Zahlia_13 Start: 9747, Stop: 10709, Start Num: 3

Candidate Starts for Zahlia_13:

(Start: 3 @9747 has 120 MA's), (10, 9867), (11, 9870), (25, 9972), (26, 9981), (33, 10056), (39, 10110), (47, 10176), (55, 10272), (57, 10329), (58, 10341), (59, 10350), (60, 10383), (61, 10425), (63, 10473), (67, 10545), (69, 10590),

