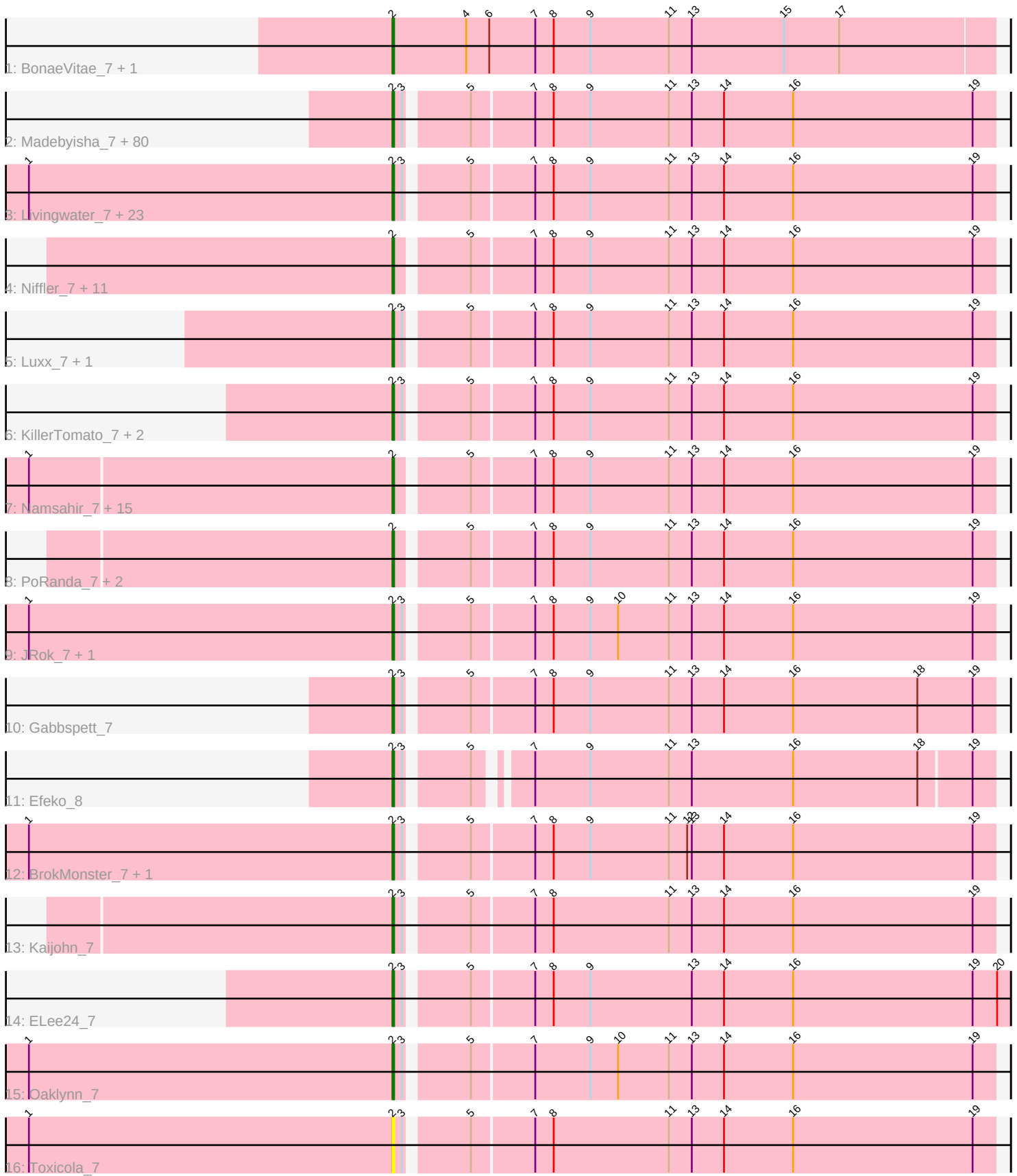


Pham 328766



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 328766 Report

This analysis was run 09/05/26 on database version 662.

Pham number 328766 has 153 members, 8 are drafts.

Phages represented in each track:

- Track 1 : BonaeVitae_7, Naby_7
- Track 2 : Madebyisha_7, SeaWolves_7, Alucard_7, Majesty_7, Goobery_7, Erin_7, Scamander_7, Burgy_7, Minima_7, Sachet_7, Lola20_7, JoBros_7, ManAs_7, Jahseh_7, NeumannU_7, Yasuo_7, Ciel_7, Goulash_7, Horacetta_7, Eightball_7, Aztec_7, Gillker_7, Avvas_7, Owens_7, TimoTea_7, Gardevoir_7, Cayde6_7, Dooby_7, Bradley2_7, Jannah_7, Dongwon_7, TeddyBoy_7, LionelHutz_7, MasterPitts_7, Concrete_7, GoldenBlanche_7, DirtPie_7, Bri160_7, JaimeB_7, Charbie_7, Tyrellus_7, Marichuy_7, Picnic_7, Myram_7, DaftyDuck_7, Sara_7, Aries55_7, Slentz_7, OdetoJoy_7, Rhogar_7, Puddles3_7, KyriosFaba_7, PaoPu_7, VitulaEligans_7, Danno_7, Pondwater_7, Maneater_7, Witch_7, BinkBonk_7, Anseraureola_7, Yubaba_7, BurtonThePup_7, BarBear_7, YertPhresh_7, Hernandez44_7, Octopus_7, Godfather_7, Chatham_7, Danimal_7, HeadMave_7, Jerky_7, Scrunchy_7, Duggle_7, Loca_7, LemonPepper_7, EdElric_7, Astro16_7, Baine_7, Kojax4_7, BoomRoasted_7, Picconator_7
- Track 3 : Livingwater_7, Abelaine_7, RoscoWindex_7, Biscayne_7, SantasSleigh_7, Quaker_7, MelBee03_7, Sippinontea_7, Zahlia_7, Otwor_7, Belthelas_7, Kevanna_7, Bodhi17_7, LaviMo_7, Grayscar_7, Josuke_7, Sage7_7, Rhysand_7, Leafy_7, Duggie_7, Wolfpack_7, Vanisius_7, Cheesecake_7, KayPaulus_7
- Track 4 : Niffler_7, Nobel_7, Lunatic_7, Trireme_7, TinyTruffula_7, Yami_7, Trackstar_7, Miaurora_7, Cazares_7, PuffyCat_7, TlaliMex_7, Clownery_7
- Track 5 : Luxx_7, Jella_7
- Track 6 : KillerTomato_7, MrGreen_7, Hulk_7
- Track 7 : Namsahir_7, HarperAnne_7, Slizam_7, JooneeDee_7, IzzyPants24_7, Elspeth_7, Ekko14_7, Rira_7, TomBrady12_7, Bintii_7, Bullzi2019_7, Noelani_7, Snuffles_8, Stem_7, Publix_7, Mauilvory_7
- Track 8 : PoRanda_7, MirimarMandM_7, Upsilon_7
- Track 9 : JRok_7, Azizam_7
- Track 10 : Gabbspett_7
- Track 11 : Efeko_8
- Track 12 : BrokMonster_7, McShie_7
- Track 13 : Kaijohn_7
- Track 14 : ELee24_7
- Track 15 : Oaklynn_7
- Track 16 : Toxicola_7

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

The start number called the most often in the published annotations is 2, it was called in 145 of the 145 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abelaïne_7, Alucard_7, Anseraureola_7, Aries55_7, Astro16_7, Avvas_7, Azizam_7, Aztec_7, Baine_7, BarBear_7, Belthelas_7, BinkBonk_7, Bintii_7, Biscayne_7, Bodhi17_7, BonaeVitae_7, BoomRoasted_7, Bradley2_7, Bri160_7, BrokMonster_7, Bullzi2019_7, Burgy_7, BurtonThePup_7, Cayde6_7, Cazares_7, Charbie_7, Chatham_7, Cheesecake_7, Ciel_7, Clownery_7, Concrete_7, DaftyDuck_7, Danimal_7, Danno_7, DirtPie_7, Dongwon_7, Dooby_7, Douggie_7, Duggle_7, ELee24_7, EdElric_7, Efeko_8, Eightball_7, Ekko14_7, Elspeth_7, Erin_7, Gabbspett_7, Gardevoir_7, Gillker_7, Godfather_7, GoldenBlanche_7, Goobery_7, Goulash_7, Grayscar_7, HarperAnne_7, HeadMave_7, Hernandez44_7, Horacetta_7, Hulk_7, IzzyPants24_7, JRok_7, Jahseh_7, JaimeB_7, Jannah_7, Jella_7, Jerky_7, JoBros_7, JooneeDee_7, Josuke_7, Kaijohn_7, KayPaulus_7, Kevanna_7, KillerTomato_7, Kojax4_7, KyriosFaba_7, LaviMo_7, Leafy_7, LemonPepper_7, LionelHutz_7, Livingwater_7, Loca_7, Lola20_7, Lunatic_7, Luxx_7, Madebyisha_7, Majesty_7, ManAs_7, Maneater_7, Marichuy_7, MasterPitts_7, Mauilvory_7, McShie_7, MelBee03_7, Miaurora_7, Minima_7, MirimarMandM_7, MrGreen_7, Myram_7, Naby_7, Namsahir_7, NeumannU_7, Niffler_7, Nobel_7, Noelani_7, Oaklynn_7, Octopus_7, OdetoJoy_7, Otwor_7, Owens_7, PaoPu_7, Picconator_7, Picnic_7, PoRanda_7, Pondwater_7, Publix_7, Puddles3_7, PuffyCat_7, Quaker_7, Rhogar_7, Rhysand_7, Rira_7, RoscoWindex_7, Sachet_7, Sage7_7, SantasSleigh_7, Sara_7, Scamander_7, Scrunchy_7, SeaWolves_7, Sippinontea_7, Slentz_7, Slizam_7, Snuffles_8, Stem_7, TeddyBoy_7, TimoTea_7, TinyTruffula_7, TlaliMex_7, TomBrady12_7, Toxicola_7, Trackstar_7, Trireme_7, Tyrellus_7, Upsilon_7, Vanisius_7, VitulaEligans_7, Witch_7, Wolfpack_7, Yami_7, Yasuo_7, YertPhresh_7, Yubaba_7, Zahlia_7,

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

-

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

-

Summary by start number:

Start 2:

- Found in 153 of 153 (100.0%) of genes in pham
- Manual Annotations of this start: 145 of 145
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abelaïne_7 (EE), Alucard_7 (EE), Anseraureola_7 (EE), Aries55_7 (EE), Astro16_7 (EE), Avvas_7 (EE), Azizam_7 (EE), Aztec_7 (EE), Baine_7 (EE), BarBear_7 (EE), Belthelas_7 (EE), BinkBonk_7 (EE), Bintii_7 (EE), Biscayne_7 (EE), Bodhi17_7 (EE), BonaeVitae_7 (EE), BoomRoasted_7 (EE), Bradley2_7 (EE), Bri160_7 (EE), BrokMonster_7 (EE), Bullzi2019_7 (EE), Burgy_7 (EE), BurtonThePup_7 (EE), Cayde6_7 (EE), Cazares_7 (EE), Charbie_7 (EE), Chatham_7 (EE), Cheesecake_7 (EE), Ciel_7 (EE), Clownery_7 (EE), Concrete_7 (EE), DaftyDuck_7 (EE), Danimal_7 (EE), Danno_7 (EE), DirtPie_7 (EE), Dongwon_7 (EE), Dooby_7 (EE), Douggie_7 (EE), Duggle_7

(EE), ELee24_7 (EE), EdElric_7 (EE), Efeko_8 (EE), Eightball_7 (EE), Ekko14_7 (EE), Elspeth_7 (EE), Erin_7 (EE), Gabbspett_7 (EE), Gardevoir_7 (EE), Gillker_7 (EE), Godfather_7 (EE), GoldenBlanche_7 (EE), Goobery_7 (EE), Goulash_7 (EE), Grayscar_7 (EE), HarperAnne_7 (EE), HeadMave_7 (EE), Hernandez44_7 (EE), Horacetta_7 (EE), Hulk_7 (EE), IzzyPants24_7 (EE), JRok_7 (EE), Jahseh_7 (EE), JaimeB_7 (EE), Jannah_7 (EE), Jella_7 (EE), Jerky_7 (EE), JoBros_7 (EE), JooneeDee_7 (EE), Josuke_7 (EE), Kaijohn_7 (EE), KayPaulus_7 (EE), Kevanna_7 (EE), KillerTomato_7 (EE), Kojax4_7 (EE), KyriosFaba_7 (EE), LaviMo_7 (EE), Leafy_7 (EE), LemonPepper_7 (EE), LionelHutz_7 (EE), Livingwater_7 (EE), Loca_7 (EE), Lola20_7 (EE), Lunatic_7 (EE), Luxx_7 (EE), Madebyisha_7 (EE), Majesty_7 (EE), ManAs_7 (EE), Maneater_7 (EE), Marichuy_7 (EE), MasterPitts_7 (EE), Mauilvory_7 (EE), McShie_7 (EE), MelBee03_7 (EE), Miaurora_7 (EE), Minima_7 (EE), MirimarMandM_7 (EE), MrGreen_7 (EE), Myram_7 (EE), Naby_7 (EE), Namsahir_7 (EE), NeumannU_7 (EE), Niffler_7 (EE), Nobel_7 (EE), Noelani_7 (EE), Oaklynn_7 (EE), Octopus_7 (EE), OdetoJoy_7 (EE), Otwor_7 (EE), Owens_7 (EE), PaoPu_7 (EE), Picconator_7 (EE), Picnic_7 (EE), PoRanda_7 (EE), Pondwater_7 (EE), Publix_7 (EE), Puddles3_7 (EE), PuffyCat_7 (EE), Quaker_7 (EE), Rhogar_7 (EE), Rhysand_7 (EE), Rira_7 (EE), RoscoWindex_7 (EE), Sachet_7 (EE), Sage7_7 (EE), SantasSleigh_7 (EE), Sara_7 (EE), Scamander_7 (EE), Scrunchy_7 (EE), SeaWolves_7 (EE), Sippinontea_7 (EE), Slentz_7 (EE), Slizam_7 (EE), Snuffles_8 (EE), Stem_7 (EE), TeddyBoy_7 (EE), TimoTea_7 (EE), TinyTruffula_7 (EE), TlaliMex_7 (EE), TomBrady12_7 (EE), Toxicola_7 (EE), Trackstar_7 (EE), Trireme_7 (EE), Tyrellus_7 (EE), Upsilon_7 (EE), Vanisius_7 (EE), VitulaEligans_7 (EE), Witch_7 (EE), Wolfpack_7 (EE), Yami_7 (EE), Yasuo_7 (EE), YertPhresh_7 (EE), Yubaba_7 (EE), Zahlia_7 (EE),

Summary by clusters:

There is one cluster represented in this pham: EE

Info for manual annotations of cluster EE:

- Start number 2 was manually annotated 145 times for cluster EE.

Gene Information:

Gene: Abelaïne_7 Start: 5741, Stop: 6121, Start Num: 2

Candidate Starts for Abelaïne_7:

(1, 5504), (Start: 2 @5741 has 145 MA's), (3, 5747), (5, 5783), (7, 5822), (8, 5834), (9, 5858), (11, 5909), (13, 5924), (14, 5945), (16, 5990), (19, 6107),

Gene: Alucard_7 Start: 5724, Stop: 6104, Start Num: 2

Candidate Starts for Alucard_7:

(Start: 2 @5724 has 145 MA's), (3, 5730), (5, 5766), (7, 5805), (8, 5817), (9, 5841), (11, 5892), (13, 5907), (14, 5928), (16, 5973), (19, 6090),

Gene: Anseraureola_7 Start: 5747, Stop: 6127, Start Num: 2

Candidate Starts for Anseraureola_7:

(Start: 2 @5747 has 145 MA's), (3, 5753), (5, 5789), (7, 5828), (8, 5840), (9, 5864), (11, 5915), (13, 5930), (14, 5951), (16, 5996), (19, 6113),

Gene: Aries55_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Aries55_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Astro16_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Astro16_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Avvas_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Avvas_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Azizam_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Azizam_7:

(1, 5486), (Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (10, 5858), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Aztec_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Aztec_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Baine_7 Start: 5720, Stop: 6100, Start Num: 2

Candidate Starts for Baine_7:

(Start: 2 @5720 has 145 MA's), (3, 5726), (5, 5762), (7, 5801), (8, 5813), (9, 5837), (11, 5888), (13, 5903), (14, 5924), (16, 5969), (19, 6086),

Gene: BarBear_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for BarBear_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Belthelas_7 Start: 5774, Stop: 6154, Start Num: 2

Candidate Starts for Belthelas_7:

(1, 5537), (Start: 2 @5774 has 145 MA's), (3, 5780), (5, 5816), (7, 5855), (8, 5867), (9, 5891), (11, 5942), (13, 5957), (14, 5978), (16, 6023), (19, 6140),

Gene: BinkBonk_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for BinkBonk_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Bintii_7 Start: 5750, Stop: 6130, Start Num: 2

Candidate Starts for Bintii_7:

(1, 5516), (Start: 2 @5750 has 145 MA's), (5, 5792), (7, 5831), (8, 5843), (9, 5867), (11, 5918), (13, 5933), (14, 5954), (16, 5999), (19, 6116),

Gene: Biscayne_7 Start: 5781, Stop: 6161, Start Num: 2

Candidate Starts for Biscayne_7:

(1, 5544), (Start: 2 @5781 has 145 MA's), (3, 5787), (5, 5823), (7, 5862), (8, 5874), (9, 5898), (11, 5949), (13, 5964), (14, 5985), (16, 6030), (19, 6147),

Gene: Bodhi17_7 Start: 5717, Stop: 6097, Start Num: 2

Candidate Starts for Bodhi17_7:

(1, 5480), (Start: 2 @5717 has 145 MA's), (3, 5723), (5, 5759), (7, 5798), (8, 5810), (9, 5834), (11, 5885), (13, 5900), (14, 5921), (16, 5966), (19, 6083),

Gene: BonaeVitae_7 Start: 5455, Stop: 5844, Start Num: 2

Candidate Starts for BonaeVitae_7:

(Start: 2 @5455 has 145 MA's), (4, 5503), (6, 5518), (7, 5548), (8, 5560), (9, 5584), (11, 5635), (13, 5650), (15, 5710), (17, 5746),

Gene: BoomRoasted_7 Start: 5771, Stop: 6151, Start Num: 2

Candidate Starts for BoomRoasted_7:

(Start: 2 @5771 has 145 MA's), (3, 5777), (5, 5813), (7, 5852), (8, 5864), (9, 5888), (11, 5939), (13, 5954), (14, 5975), (16, 6020), (19, 6137),

Gene: Bradley2_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Bradley2_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Bri160_7 Start: 5771, Stop: 6151, Start Num: 2

Candidate Starts for Bri160_7:

(Start: 2 @5771 has 145 MA's), (3, 5777), (5, 5813), (7, 5852), (8, 5864), (9, 5888), (11, 5939), (13, 5954), (14, 5975), (16, 6020), (19, 6137),

Gene: BrokMonster_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for BrokMonster_7:

(1, 5486), (Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (12, 5903), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Bullzi2019_7 Start: 5741, Stop: 6121, Start Num: 2

Candidate Starts for Bullzi2019_7:

(1, 5507), (Start: 2 @5741 has 145 MA's), (5, 5783), (7, 5822), (8, 5834), (9, 5858), (11, 5909), (13, 5924), (14, 5945), (16, 5990), (19, 6107),

Gene: Burgy_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Burgy_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: BurtonThePup_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for BurtonThePup_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Cayde6_7 Start: 5720, Stop: 6100, Start Num: 2

Candidate Starts for Cayde6_7:

(Start: 2 @5720 has 145 MA's), (3, 5726), (5, 5762), (7, 5801), (8, 5813), (9, 5837), (11, 5888), (13, 5903), (14, 5924), (16, 5969), (19, 6086),

Gene: Cazares_7 Start: 5711, Stop: 6091, Start Num: 2

Candidate Starts for Cazares_7:

(Start: 2 @5711 has 145 MA's), (5, 5753), (7, 5792), (8, 5804), (9, 5828), (11, 5879), (13, 5894), (14, 5915), (16, 5960), (19, 6077),

Gene: Charbie_7 Start: 5711, Stop: 6091, Start Num: 2

Candidate Starts for Charbie_7:

(Start: 2 @5711 has 145 MA's), (3, 5717), (5, 5753), (7, 5792), (8, 5804), (9, 5828), (11, 5879), (13, 5894), (14, 5915), (16, 5960), (19, 6077),

Gene: Chatham_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Chatham_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Cheesecake_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Cheesecake_7:

(1, 5498), (Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Ciel_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Ciel_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Clownery_7 Start: 5828, Stop: 6208, Start Num: 2

Candidate Starts for Clownery_7:

(Start: 2 @5828 has 145 MA's), (5, 5870), (7, 5909), (8, 5921), (9, 5945), (11, 5996), (13, 6011), (14, 6032), (16, 6077), (19, 6194),

Gene: Concrete_7 Start: 5771, Stop: 6151, Start Num: 2

Candidate Starts for Concrete_7:

(Start: 2 @5771 has 145 MA's), (3, 5777), (5, 5813), (7, 5852), (8, 5864), (9, 5888), (11, 5939), (13, 5954), (14, 5975), (16, 6020), (19, 6137),

Gene: DaftyDuck_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for DaftyDuck_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Danimal_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Danimal_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Danno_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Danno_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: DirtPie_7 Start: 5828, Stop: 6208, Start Num: 2

Candidate Starts for DirtPie_7:

(Start: 2 @5828 has 145 MA's), (3, 5834), (5, 5870), (7, 5909), (8, 5921), (9, 5945), (11, 5996), (13, 6011), (14, 6032), (16, 6077), (19, 6194),

Gene: Dongwon_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Dongwon_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Dooby_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Dooby_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Douggie_7 Start: 5717, Stop: 6097, Start Num: 2

Candidate Starts for Douggie_7:

(1, 5480), (Start: 2 @5717 has 145 MA's), (3, 5723), (5, 5759), (7, 5798), (8, 5810), (9, 5834), (11, 5885), (13, 5900), (14, 5921), (16, 5966), (19, 6083),

Gene: Duggle_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Duggle_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: ELee24_7 Start: 5777, Stop: 6166, Start Num: 2

Candidate Starts for ELee24_7:

(Start: 2 @5777 has 145 MA's), (3, 5783), (5, 5819), (7, 5858), (8, 5870), (9, 5894), (13, 5960), (14, 5981), (16, 6026), (19, 6143), (20, 6158),

Gene: EdElric_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for EdElric_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Efeko_8 Start: 5630, Stop: 5995, Start Num: 2

Candidate Starts for Efeko_8:

(Start: 2 @5630 has 145 MA's), (3, 5636), (5, 5672), (7, 5699), (9, 5735), (11, 5786), (13, 5801), (16, 5867), (18, 5948), (19, 5981),

Gene: Eightball_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Eightball_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Ekko14_7 Start: 5708, Stop: 6088, Start Num: 2

Candidate Starts for Ekko14_7:

(1, 5474), (Start: 2 @5708 has 145 MA's), (5, 5750), (7, 5789), (8, 5801), (9, 5825), (11, 5876), (13, 5891), (14, 5912), (16, 5957), (19, 6074),

Gene: Elspeth_7 Start: 5708, Stop: 6088, Start Num: 2

Candidate Starts for Elspeth_7:

(1, 5474), (Start: 2 @5708 has 145 MA's), (5, 5750), (7, 5789), (8, 5801), (9, 5825), (11, 5876), (13, 5891), (14, 5912), (16, 5957), (19, 6074),

Gene: Erin_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Erin_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Gabbspett_7 Start: 5828, Stop: 6208, Start Num: 2

Candidate Starts for Gabbspett_7:

(Start: 2 @5828 has 145 MA's), (3, 5834), (5, 5870), (7, 5909), (8, 5921), (9, 5945), (11, 5996), (13, 6011), (14, 6032), (16, 6077), (18, 6158), (19, 6194),

Gene: Gardevoir_7 Start: 5724, Stop: 6104, Start Num: 2

Candidate Starts for Gardevoir_7:

(Start: 2 @5724 has 145 MA's), (3, 5730), (5, 5766), (7, 5805), (8, 5817), (9, 5841), (11, 5892), (13, 5907), (14, 5928), (16, 5973), (19, 6090),

Gene: Gillker_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Gillker_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Godfather_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Godfather_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: GoldenBlanche_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for GoldenBlanche_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Goobery_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Goobery_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Goulash_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Goulash_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Grayscar_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Grayscar_7:

(1, 5498), (Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: HarperAnne_7 Start: 5708, Stop: 6088, Start Num: 2

Candidate Starts for HarperAnne_7:

(1, 5474), (Start: 2 @5708 has 145 MA's), (5, 5750), (7, 5789), (8, 5801), (9, 5825), (11, 5876), (13, 5891), (14, 5912), (16, 5957), (19, 6074),

Gene: HeadMave_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for HeadMave_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Hernandez44_7 Start: 5828, Stop: 6208, Start Num: 2

Candidate Starts for Hernandez44_7:

(Start: 2 @5828 has 145 MA's), (3, 5834), (5, 5870), (7, 5909), (8, 5921), (9, 5945), (11, 5996), (13, 6011), (14, 6032), (16, 6077), (19, 6194),

Gene: Horacetta_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Horacetta_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Hulk_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Hulk_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: IzzyPants24_7 Start: 5759, Stop: 6139, Start Num: 2

Candidate Starts for IzzyPants24_7:

(1, 5525), (Start: 2 @5759 has 145 MA's), (5, 5801), (7, 5840), (8, 5852), (9, 5876), (11, 5927), (13, 5942), (14, 5963), (16, 6008), (19, 6125),

Gene: JRok_7 Start: 5720, Stop: 6100, Start Num: 2

Candidate Starts for JRok_7:

(1, 5483), (Start: 2 @5720 has 145 MA's), (3, 5726), (5, 5762), (7, 5801), (8, 5813), (9, 5837), (10, 5855), (11, 5888), (13, 5903), (14, 5924), (16, 5969), (19, 6086),

Gene: Jahseh_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Jahseh_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: JaimeB_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for JaimeB_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Jannah_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Jannah_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Jella_7 Start: 5747, Stop: 6127, Start Num: 2

Candidate Starts for Jella_7:

(Start: 2 @5747 has 145 MA's), (3, 5753), (5, 5789), (7, 5828), (8, 5840), (9, 5864), (11, 5915), (13, 5930), (14, 5951), (16, 5996), (19, 6113),

Gene: Jerky_7 Start: 5807, Stop: 6187, Start Num: 2

Candidate Starts for Jerky_7:

(Start: 2 @5807 has 145 MA's), (3, 5813), (5, 5849), (7, 5888), (8, 5900), (9, 5924), (11, 5975), (13, 5990), (14, 6011), (16, 6056), (19, 6173),

Gene: JoBros_7 Start: 5724, Stop: 6104, Start Num: 2

Candidate Starts for JoBros_7:

(Start: 2 @5724 has 145 MA's), (3, 5730), (5, 5766), (7, 5805), (8, 5817), (9, 5841), (11, 5892), (13, 5907), (14, 5928), (16, 5973), (19, 6090),

Gene: JooneeDee_7 Start: 5750, Stop: 6130, Start Num: 2

Candidate Starts for JooneeDee_7:

(1, 5516), (Start: 2 @5750 has 145 MA's), (5, 5792), (7, 5831), (8, 5843), (9, 5867), (11, 5918), (13, 5933), (14, 5954), (16, 5999), (19, 6116),

Gene: Josuke_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Josuke_7:

(1, 5498), (Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Kaijohn_7 Start: 5726, Stop: 6106, Start Num: 2

Candidate Starts for Kaijohn_7:

(Start: 2 @5726 has 145 MA's), (3, 5732), (5, 5768), (7, 5807), (8, 5819), (11, 5894), (13, 5909), (14, 5930), (16, 5975), (19, 6092),

Gene: KayPaulus_7 Start: 5717, Stop: 6097, Start Num: 2

Candidate Starts for KayPaulus_7:

(1, 5480), (Start: 2 @5717 has 145 MA's), (3, 5723), (5, 5759), (7, 5798), (8, 5810), (9, 5834), (11, 5885), (13, 5900), (14, 5921), (16, 5966), (19, 6083),

Gene: Kevanna_7 Start: 5717, Stop: 6097, Start Num: 2

Candidate Starts for Kevanna_7:

(1, 5480), (Start: 2 @5717 has 145 MA's), (3, 5723), (5, 5759), (7, 5798), (8, 5810), (9, 5834), (11, 5885), (13, 5900), (14, 5921), (16, 5966), (19, 6083),

Gene: KillerTomato_7 Start: 5771, Stop: 6151, Start Num: 2

Candidate Starts for KillerTomato_7:

(Start: 2 @5771 has 145 MA's), (3, 5777), (5, 5813), (7, 5852), (8, 5864), (9, 5888), (11, 5939), (13, 5954), (14, 5975), (16, 6020), (19, 6137),

Gene: Kojax4_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Kojax4_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: KyriosFaba_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for KyriosFaba_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: LaviMo_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for LaviMo_7:

(1, 5498), (Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Leafy_7 Start: 5741, Stop: 6121, Start Num: 2

Candidate Starts for Leafy_7:

(1, 5504), (Start: 2 @5741 has 145 MA's), (3, 5747), (5, 5783), (7, 5822), (8, 5834), (9, 5858), (11, 5909), (13, 5924), (14, 5945), (16, 5990), (19, 6107),

Gene: LemonPepper_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for LemonPepper_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: LionelHutz_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for LionelHutz_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Livingwater_7 Start: 5717, Stop: 6097, Start Num: 2

Candidate Starts for Livingwater_7:

(1, 5480), (Start: 2 @5717 has 145 MA's), (3, 5723), (5, 5759), (7, 5798), (8, 5810), (9, 5834), (11, 5885), (13, 5900), (14, 5921), (16, 5966), (19, 6083),

Gene: Loca_7 Start: 5744, Stop: 6124, Start Num: 2

Candidate Starts for Loca_7:

(Start: 2 @5744 has 145 MA's), (3, 5750), (5, 5786), (7, 5825), (8, 5837), (9, 5861), (11, 5912), (13, 5927), (14, 5948), (16, 5993), (19, 6110),

Gene: Lola20_7 Start: 5720, Stop: 6100, Start Num: 2

Candidate Starts for Lola20_7:

(Start: 2 @5720 has 145 MA's), (3, 5726), (5, 5762), (7, 5801), (8, 5813), (9, 5837), (11, 5888), (13, 5903), (14, 5924), (16, 5969), (19, 6086),

Gene: Lunatic_7 Start: 5711, Stop: 6091, Start Num: 2

Candidate Starts for Lunatic_7:

(Start: 2 @5711 has 145 MA's), (5, 5753), (7, 5792), (8, 5804), (9, 5828), (11, 5879), (13, 5894), (14, 5915), (16, 5960), (19, 6077),

Gene: Luxx_7 Start: 5747, Stop: 6127, Start Num: 2

Candidate Starts for Luxx_7:

(Start: 2 @5747 has 145 MA's), (3, 5753), (5, 5789), (7, 5828), (8, 5840), (9, 5864), (11, 5915), (13, 5930), (14, 5951), (16, 5996), (19, 6113),

Gene: Madebyisha_7 Start: 5807, Stop: 6187, Start Num: 2

Candidate Starts for Madebyisha_7:

(Start: 2 @5807 has 145 MA's), (3, 5813), (5, 5849), (7, 5888), (8, 5900), (9, 5924), (11, 5975), (13, 5990), (14, 6011), (16, 6056), (19, 6173),

Gene: Majesty_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Majesty_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: ManAs_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for ManAs_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Maneater_7 Start: 5711, Stop: 6091, Start Num: 2

Candidate Starts for Maneater_7:

(Start: 2 @5711 has 145 MA's), (3, 5717), (5, 5753), (7, 5792), (8, 5804), (9, 5828), (11, 5879), (13, 5894), (14, 5915), (16, 5960), (19, 6077),

Gene: Marichuy_7 Start: 5828, Stop: 6208, Start Num: 2

Candidate Starts for Marichuy_7:

(Start: 2 @5828 has 145 MA's), (3, 5834), (5, 5870), (7, 5909), (8, 5921), (9, 5945), (11, 5996), (13, 6011), (14, 6032), (16, 6077), (19, 6194),

Gene: MasterPitts_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for MasterPitts_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Mauilvory_7 Start: 5825, Stop: 6205, Start Num: 2

Candidate Starts for Mauilvory_7:

(1, 5591), (Start: 2 @5825 has 145 MA's), (5, 5867), (7, 5906), (8, 5918), (9, 5942), (11, 5993), (13, 6008), (14, 6029), (16, 6074), (19, 6191),

Gene: McShie_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for McShie_7:

(1, 5486), (Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (12, 5903), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: MelBee03_7 Start: 5717, Stop: 6097, Start Num: 2

Candidate Starts for MelBee03_7:

(1, 5480), (Start: 2 @5717 has 145 MA's), (3, 5723), (5, 5759), (7, 5798), (8, 5810), (9, 5834), (11, 5885), (13, 5900), (14, 5921), (16, 5966), (19, 6083),

Gene: Miaurora_7 Start: 5828, Stop: 6208, Start Num: 2

Candidate Starts for Miaurora_7:

(Start: 2 @5828 has 145 MA's), (5, 5870), (7, 5909), (8, 5921), (9, 5945), (11, 5996), (13, 6011), (14, 6032), (16, 6077), (19, 6194),

Gene: Minima_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Minima_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: MirimarMandM_7 Start: 5792, Stop: 6172, Start Num: 2

Candidate Starts for MirimarMandM_7:

(Start: 2 @5792 has 145 MA's), (5, 5834), (7, 5873), (8, 5885), (9, 5909), (11, 5960), (13, 5975), (14, 5996), (16, 6041), (19, 6158),

Gene: MrGreen_7 Start: 5738, Stop: 6118, Start Num: 2

Candidate Starts for MrGreen_7:

(Start: 2 @5738 has 145 MA's), (3, 5744), (5, 5780), (7, 5819), (8, 5831), (9, 5855), (11, 5906), (13, 5921), (14, 5942), (16, 5987), (19, 6104),

Gene: Myram_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Myram_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Naby_7 Start: 5455, Stop: 5844, Start Num: 2

Candidate Starts for Naby_7:

(Start: 2 @5455 has 145 MA's), (4, 5503), (6, 5518), (7, 5548), (8, 5560), (9, 5584), (11, 5635), (13, 5650), (15, 5710), (17, 5746),

Gene: Namsahir_7 Start: 5783, Stop: 6163, Start Num: 2

Candidate Starts for Namsahir_7:

(1, 5549), (Start: 2 @5783 has 145 MA's), (5, 5825), (7, 5864), (8, 5876), (9, 5900), (11, 5951), (13, 5966), (14, 5987), (16, 6032), (19, 6149),

Gene: NeumannU_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for NeumannU_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Niffler_7 Start: 5801, Stop: 6181, Start Num: 2

Candidate Starts for Niffler_7:

(Start: 2 @5801 has 145 MA's), (5, 5843), (7, 5882), (8, 5894), (9, 5918), (11, 5969), (13, 5984), (14, 6005), (16, 6050), (19, 6167),

Gene: Nobel_7 Start: 5828, Stop: 6208, Start Num: 2

Candidate Starts for Nobel_7:

(Start: 2 @5828 has 145 MA's), (5, 5870), (7, 5909), (8, 5921), (9, 5945), (11, 5996), (13, 6011), (14, 6032), (16, 6077), (19, 6194),

Gene: Noelani_7 Start: 5708, Stop: 6088, Start Num: 2

Candidate Starts for Noelani_7:

(1, 5474), (Start: 2 @5708 has 145 MA's), (5, 5750), (7, 5789), (8, 5801), (9, 5825), (11, 5876), (13, 5891), (14, 5912), (16, 5957), (19, 6074),

Gene: Oaklynn_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Oaklynn_7:

(1, 5486), (Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (9, 5840), (10, 5858), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Octopus_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Octopus_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: OdetoJoy_7 Start: 5807, Stop: 6187, Start Num: 2

Candidate Starts for OdetoJoy_7:

(Start: 2 @5807 has 145 MA's), (3, 5813), (5, 5849), (7, 5888), (8, 5900), (9, 5924), (11, 5975), (13, 5990), (14, 6011), (16, 6056), (19, 6173),

Gene: Otwor_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Otwor_7:

(1, 5498), (Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Owens_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Owens_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: PaoPu_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for PaoPu_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Picconator_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Picconator_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Picnic_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Picnic_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: PoRanda_7 Start: 5792, Stop: 6172, Start Num: 2

Candidate Starts for PoRanda_7:

(Start: 2 @5792 has 145 MA's), (5, 5834), (7, 5873), (8, 5885), (9, 5909), (11, 5960), (13, 5975), (14, 5996), (16, 6041), (19, 6158),

Gene: Pondwater_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Pondwater_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Publix_7 Start: 5783, Stop: 6163, Start Num: 2

Candidate Starts for Publix_7:

(1, 5549), (Start: 2 @5783 has 145 MA's), (5, 5825), (7, 5864), (8, 5876), (9, 5900), (11, 5951), (13, 5966), (14, 5987), (16, 6032), (19, 6149),

Gene: Puddles3_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Puddles3_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: PuffyCat_7 Start: 5753, Stop: 6133, Start Num: 2

Candidate Starts for PuffyCat_7:

(Start: 2 @5753 has 145 MA's), (5, 5795), (7, 5834), (8, 5846), (9, 5870), (11, 5921), (13, 5936), (14, 5957), (16, 6002), (19, 6119),

Gene: Quaker_7 Start: 5717, Stop: 6097, Start Num: 2

Candidate Starts for Quaker_7:

(1, 5480), (Start: 2 @5717 has 145 MA's), (3, 5723), (5, 5759), (7, 5798), (8, 5810), (9, 5834), (11, 5885), (13, 5900), (14, 5921), (16, 5966), (19, 6083),

Gene: Rhogar_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Rhogar_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Rhysand_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Rhysand_7:

(1, 5498), (Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Rira_7 Start: 5759, Stop: 6139, Start Num: 2

Candidate Starts for Rira_7:

(1, 5525), (Start: 2 @5759 has 145 MA's), (5, 5801), (7, 5840), (8, 5852), (9, 5876), (11, 5927), (13, 5942), (14, 5963), (16, 6008), (19, 6125),

Gene: RoscoWindex_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for RoscoWindex_7:

(1, 5498), (Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Sachet_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Sachet_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Sage7_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Sage7_7:

(1, 5498), (Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: SantasSleigh_7 Start: 5759, Stop: 6139, Start Num: 2

Candidate Starts for SantasSleigh_7:

(1, 5522), (Start: 2 @5759 has 145 MA's), (3, 5765), (5, 5801), (7, 5840), (8, 5852), (9, 5876), (11, 5927), (13, 5942), (14, 5963), (16, 6008), (19, 6125),

Gene: Sara_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for Sara_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Scamander_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Scamander_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Scrunchy_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Scrunchy_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: SeaWolves_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for SeaWolves_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Sippinontea_7 Start: 5717, Stop: 6097, Start Num: 2

Candidate Starts for Sippinontea_7:

(1, 5480), (Start: 2 @5717 has 145 MA's), (3, 5723), (5, 5759), (7, 5798), (8, 5810), (9, 5834), (11, 5885), (13, 5900), (14, 5921), (16, 5966), (19, 6083),

Gene: Slentz_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Slentz_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Slizam_7 Start: 5759, Stop: 6139, Start Num: 2

Candidate Starts for Slizam_7:

(1, 5525), (Start: 2 @5759 has 145 MA's), (5, 5801), (7, 5840), (8, 5852), (9, 5876), (11, 5927), (13, 5942), (14, 5963), (16, 6008), (19, 6125),

Gene: Snuffles_8 Start: 5929, Stop: 6309, Start Num: 2

Candidate Starts for Snuffles_8:

(1, 5695), (Start: 2 @5929 has 145 MA's), (5, 5971), (7, 6010), (8, 6022), (9, 6046), (11, 6097), (13, 6112), (14, 6133), (16, 6178), (19, 6295),

Gene: Stem_7 Start: 5759, Stop: 6139, Start Num: 2

Candidate Starts for Stem_7:

(1, 5525), (Start: 2 @5759 has 145 MA's), (5, 5801), (7, 5840), (8, 5852), (9, 5876), (11, 5927), (13, 5942), (14, 5963), (16, 6008), (19, 6125),

Gene: TeddyBoy_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for TeddyBoy_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: TimoTea_7 Start: 5711, Stop: 6091, Start Num: 2

Candidate Starts for TimoTea_7:

(Start: 2 @5711 has 145 MA's), (3, 5717), (5, 5753), (7, 5792), (8, 5804), (9, 5828), (11, 5879), (13, 5894), (14, 5915), (16, 5960), (19, 6077),

Gene: TinyTruffula_7 Start: 5828, Stop: 6208, Start Num: 2

Candidate Starts for TinyTruffula_7:

(Start: 2 @5828 has 145 MA's), (5, 5870), (7, 5909), (8, 5921), (9, 5945), (11, 5996), (13, 6011), (14, 6032), (16, 6077), (19, 6194),

Gene: TlaliMex_7 Start: 5822, Stop: 6202, Start Num: 2

Candidate Starts for TlaliMex_7:

(Start: 2 @5822 has 145 MA's), (5, 5864), (7, 5903), (8, 5915), (9, 5939), (11, 5990), (13, 6005), (14, 6026), (16, 6071), (19, 6188),

Gene: TomBrady12_7 Start: 5759, Stop: 6139, Start Num: 2

Candidate Starts for TomBrady12_7:

(1, 5525), (Start: 2 @5759 has 145 MA's), (5, 5801), (7, 5840), (8, 5852), (9, 5876), (11, 5927), (13, 5942), (14, 5963), (16, 6008), (19, 6125),

Gene: Toxicola_7 Start: 5636, Stop: 6016, Start Num: 2

Candidate Starts for Toxicola_7:

(1, 5399), (Start: 2 @5636 has 145 MA's), (3, 5642), (5, 5678), (7, 5717), (8, 5729), (11, 5804), (13, 5819), (14, 5840), (16, 5885), (19, 6002),

Gene: Trackstar_7 Start: 5828, Stop: 6208, Start Num: 2

Candidate Starts for Trackstar_7:

(Start: 2 @5828 has 145 MA's), (5, 5870), (7, 5909), (8, 5921), (9, 5945), (11, 5996), (13, 6011), (14, 6032), (16, 6077), (19, 6194),

Gene: Trireme_7 Start: 5828, Stop: 6208, Start Num: 2

Candidate Starts for Trireme_7:

(Start: 2 @5828 has 145 MA's), (5, 5870), (7, 5909), (8, 5921), (9, 5945), (11, 5996), (13, 6011), (14, 6032), (16, 6077), (19, 6194),

Gene: Tyrellus_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Tyrellus_7:

(Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: Upsilon_7 Start: 5792, Stop: 6172, Start Num: 2

Candidate Starts for Upsilon_7:

(Start: 2 @5792 has 145 MA's), (5, 5834), (7, 5873), (8, 5885), (9, 5909), (11, 5960), (13, 5975), (14, 5996), (16, 6041), (19, 6158),

Gene: Vanisius_7 Start: 5735, Stop: 6115, Start Num: 2

Candidate Starts for Vanisius_7:

(1, 5498), (Start: 2 @5735 has 145 MA's), (3, 5741), (5, 5777), (7, 5816), (8, 5828), (9, 5852), (11, 5903), (13, 5918), (14, 5939), (16, 5984), (19, 6101),

Gene: VitulaEligans_7 Start: 5807, Stop: 6187, Start Num: 2

Candidate Starts for VitulaEligans_7:

(Start: 2 @5807 has 145 MA's), (3, 5813), (5, 5849), (7, 5888), (8, 5900), (9, 5924), (11, 5975), (13, 5990), (14, 6011), (16, 6056), (19, 6173),

Gene: Witch_7 Start: 5724, Stop: 6104, Start Num: 2

Candidate Starts for Witch_7:

(Start: 2 @5724 has 145 MA's), (3, 5730), (5, 5766), (7, 5805), (8, 5817), (9, 5841), (11, 5892), (13, 5907), (14, 5928), (16, 5973), (19, 6090),

Gene: Wolfpack_7 Start: 5717, Stop: 6097, Start Num: 2

Candidate Starts for Wolfpack_7:

(1, 5480), (Start: 2 @5717 has 145 MA's), (3, 5723), (5, 5759), (7, 5798), (8, 5810), (9, 5834), (11, 5885), (13, 5900), (14, 5921), (16, 5966), (19, 6083),

Gene: Yami_7 Start: 5711, Stop: 6091, Start Num: 2

Candidate Starts for Yami_7:

(Start: 2 @5711 has 145 MA's), (5, 5753), (7, 5792), (8, 5804), (9, 5828), (11, 5879), (13, 5894), (14, 5915), (16, 5960), (19, 6077),

Gene: Yasuo_7 Start: 5720, Stop: 6100, Start Num: 2

Candidate Starts for Yasuo_7:

(Start: 2 @5720 has 145 MA's), (3, 5726), (5, 5762), (7, 5801), (8, 5813), (9, 5837), (11, 5888), (13, 5903), (14, 5924), (16, 5969), (19, 6086),

Gene: YertPhresh_7 Start: 5723, Stop: 6103, Start Num: 2

Candidate Starts for YertPhresh_7:

(Start: 2 @5723 has 145 MA's), (3, 5729), (5, 5765), (7, 5804), (8, 5816), (9, 5840), (11, 5891), (13, 5906), (14, 5927), (16, 5972), (19, 6089),

Gene: Yubaba_7 Start: 5724, Stop: 6104, Start Num: 2

Candidate Starts for Yubaba_7:

(Start: 2 @5724 has 145 MA's), (3, 5730), (5, 5766), (7, 5805), (8, 5817), (9, 5841), (11, 5892), (13, 5907), (14, 5928), (16, 5973), (19, 6090),

Gene: Zahlia_7 Start: 5828, Stop: 6208, Start Num: 2

Candidate Starts for Zahlia_7:

(1, 5591), (Start: 2 @5828 has 145 MA's), (3, 5834), (5, 5870), (7, 5909), (8, 5921), (9, 5945), (11, 5996), (13, 6011), (14, 6032), (16, 6077), (19, 6194),