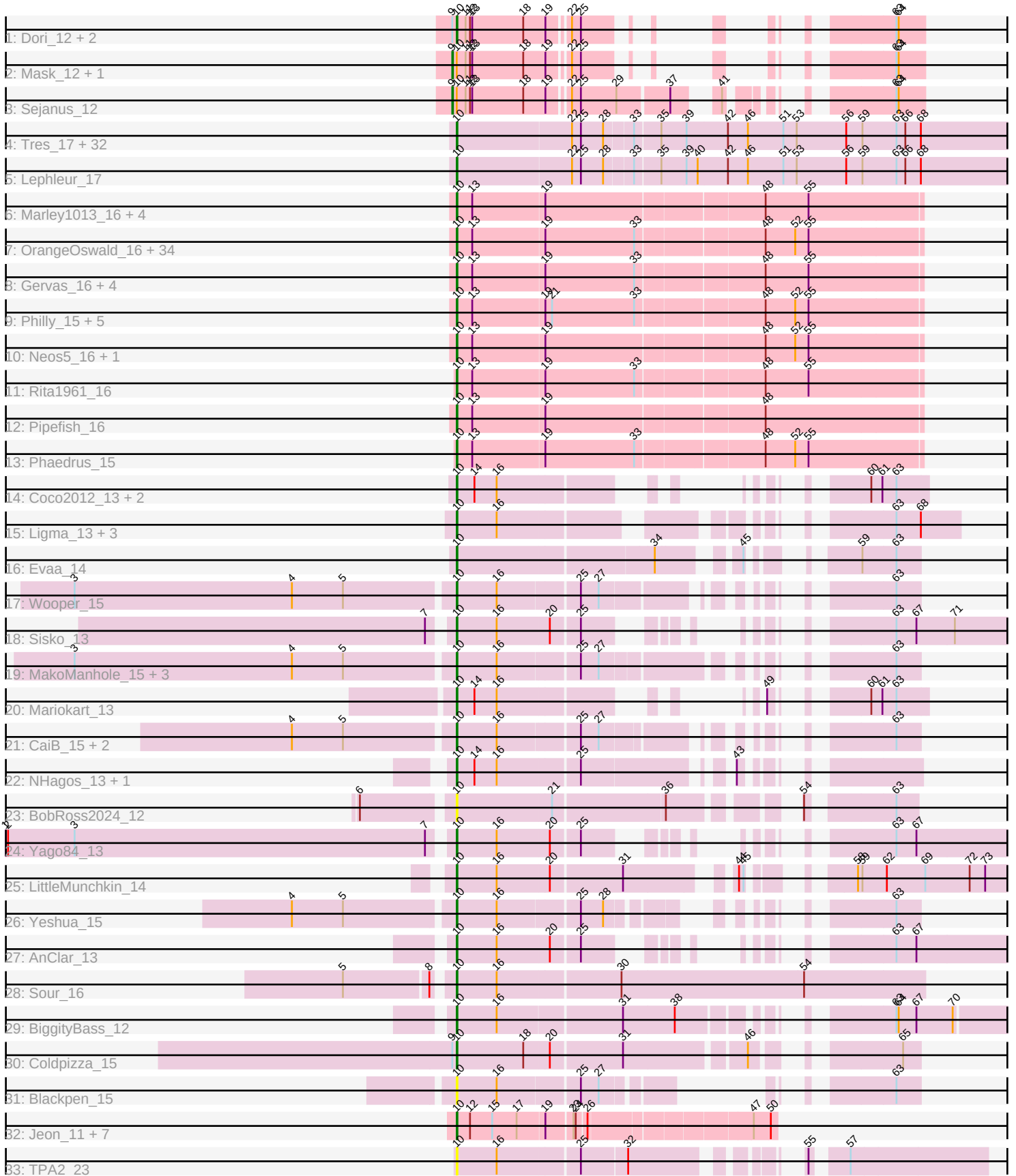


Pham 330598



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 330598 Report

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

Pham number 330598 has 134 members, 13 are drafts.

Phages represented in each track:

- Track 1 : Dori_12, JohnLord_12, Caterpie_11
- Track 2 : Mask_12, Mao1_11
- Track 3 : Sejanus_12
- Track 4 : Tres_17, LilSmirk_17, Godines_17, Brownie5_17, Boyle_17, Kheth_17, Kolhan_17, Rhinoforte_17, Ares_17, Faze9_17, Eaglehorse_17, Rosebush_17, PrinceCharming_17, Glass_17, ItsyBitsy1_17, Allegro_17, Sabella_17, Laurie_17, FrenchFry_17, Bananafish_17, Vic9_00017, Calamitous_17, West99_17, Opia_17, Tinciduntolum_18, Blocker23_17, Lars_17, Holeinone_17, Hedgerow_17, Kaleb_17, Phantasmagoria_17, TA17A_17, Coffee_17
- Track 5 : Lephleur_17
- Track 6 : Marley1013_16, Akoma_16, Bernardo_16, Yahalom_16, Morty007_16
- Track 7 : OrangeOswald_16, Jackstina_15, Ben11_15, Phlyer_16, Mulaychimus_16, Yinz_16, Tydolla_16, SynergyX_16, LestyG_16, Corofin_16, Briakila_16, TinyTerror_16, Olivio_15, Heathcliff_16, RagingRooster_16, Baloo_16, Abinghost_16, Gadget_17, Glubnar_16, Chentzyk_15, Deenasa_16, Audrey_16, Devonte_16, Kronus_15, Halpint_15, Obutu_16, SlippinJimmy_16, Phayeta_16, Athena_17, Daisy_16, RomaT_16, Kamiyu_16, Nozo_16, Shenandoah_16, MmasiCarm_16
- Track 8 : Gervas_16, Marlia_16, GlenHope_17, Mortcellus_15, ChaChing_16
- Track 9 : Philly_15, HarveySr_16, Chandler_16, SwainyDoc_16, Casbah_15, Compostia_17
- Track 10 : Neos5_16, Chalmers_16
- Track 11 : Rita1961_16
- Track 12 : Pipefish_16
- Track 13 : Phaedrus_15
- Track 14 : Coco2012_13, JellyBelly_13, CharlottesWeb_13
- Track 15 : Ligma_13, Fresco_13, Axumite_13, Shatter_13
- Track 16 : Evaa_14
- Track 17 : Wooper_15
- Track 18 : Sisko_13
- Track 19 : MakoManhole_15, FelixTres_15, CloverMinnie_15, MossRose_15
- Track 20 : Mariokart_13
- Track 21 : CaiB_15, TraderJ_15, AnarQue_15
- Track 22 : NHagos_13, AksarBAT_13
- Track 23 : BobRoss2024_12
- Track 24 : Yago84_13
- Track 25 : LittleMunchkin_14
- Track 26 : Yeshua_15

- Track 27 : AnClar_13
- Track 28 : Sour_16
- Track 29 : BiggityBass_12
- Track 30 : Coldpizza_15
- Track 31 : Blackpen_15
- Track 32 : Jeon_11, Taptic_11, PR_11, Argie_12, Megabear_11, GodPhather_12, Cepens_11, D12_11
- Track 33 : TPA2_23

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

The start number called the most often in the published annotations is 10, it was called in 118 of the 121 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abinghost_16, Akoma_16, AksarBAT_13, Allegro_17, AnClar_13, AnarQue_15, Ares_17, Argie_12, Athena_17, Audrey_16, Axumite_13, Baloo_16, Bananafish_17, Ben11_15, Bernardo_16, BiggityBass_12, Blackpen_15, Blocker23_17, BobRoss2024_12, Boyle_17, Briakila_16, Brownie5_17, CaiB_15, Calamitous_17, Casbah_15, Caterpie_11, Cepens_11, ChaChing_16, Chalmers_16, Chandler_16, CharlottesWeb_13, Chentzyk_15, CloverMinnie_15, Coco2012_13, Coffee_17, Coldpizza_15, Compostia_17, Corofin_16, D12_11, Daisy_16, Deenasa_16, Devonte_16, Dori_12, Eaglehorse_17, Evaa_14, Faze9_17, FelixTres_15, FrenchFry_17, Fresco_13, Gadget_17, Gervas_16, Glass_17, GlenHope_17, Glubnar_16, GodPhather_12, Godines_17, Halfpint_15, HarveySr_16, Heathcliff_16, Hedgerow_17, Holeinone_17, ItsyBitsy1_17, Jackstina_15, JellyBelly_13, Jeon_11, JohnLord_12, Kaleb_17, Kamiyu_16, Kheth_17, Kolhan_17, Kronus_15, Lars_17, Laurie_17, Lephleur_17, LestyG_16, Ligma_13, LilSmirk_17, LittleMunchkin_14, MakoManhole_15, Mariokart_13, Marley1013_16, Marlia_16, Megabear_11, MmasiCarm_16, Mortcellus_15, Morty007_16, MossRose_15, Mulaychimus_16, NHagos_13, Neos5_16, Nozo_16, Obutu_16, Olivio_15, Opia_17, OrangeOswald_16, PR_11, Phaedrus_15, Phantasmagoria_17, Phayeta_16, Philly_15, Phlyer_16, Pipefish_16, PrinceCharming_17, RagingRooster_16, Rhinoforte_17, Rita1961_16, RomaT_16, Rosebush_17, Sabella_17, Shatter_13, Shenandoah_16, Sisko_13, SlippinJimmy_16, Sour_16, SwainyDoc_16, SynergyX_16, TA17A_17, TPA2_23, Taptic_11, Tinciduntolum_18, TinyTerror_16, TraderJ_15, Tres_17, Tydolla_16, Vic9_00017, West99_17, Wooper_15, Yago84_13, Yahalom_16, Yeshua_15, Yinz_16,

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

- Mao1_11, Mask_12, Sejanus_12,

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

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Summary by start number:

Start 9:

- Found in 7 of 134 (5.2%) of genes in pham
- Manual Annotations of this start: 3 of 121

- Called 42.9% of time when present
- Phage (with cluster) where this start called: Mao1_11 (AD), Mask_12 (AD), Sejanus_12 (AD),

Start 10:

- Found in 134 of 134 (100.0%) of genes in pham
- Manual Annotations of this start: 118 of 121
- Called 97.8% of time when present
- Phage (with cluster) where this start called: Abinghost_16 (B3), Akoma_16 (B3), AksarBAT_13 (DR), Allegro_17 (B2), AnClar_13 (DR), AnarQue_15 (DR), Ares_17 (B2), Argie_12 (W), Athena_17 (B3), Audrey_16 (B3), Axumite_13 (DR), Baloo_16 (B3), Bananafish_17 (B2), Ben11_15 (B3), Bernardo_16 (B3), BiggityBass_12 (DR), Blackpen_15 (DR), Blocker23_17 (B2), BobRoss2024_12 (DR), Boyle_17 (B2), Briakila_16 (B3), Brownie5_17 (B2), CaiB_15 (DR), Calamitous_17 (B2), Casbah_15 (B3), Caterpie_11 (AD), Cepens_11 (W), ChaChing_16 (B3), Chalmers_16 (B3), Chandler_16 (B3), CharlottesWeb_13 (DR), Chentzyk_15 (B3), CloverMinnie_15 (DR), Coco2012_13 (DR), Coffee_17 (B2), Coldpizza_15 (DR), Compostia_17 (B3), Corofin_16 (B3), D12_11 (W), Daisy_16 (B3), Deenasa_16 (B3), Devonte_16 (B3), Dori_12 (AD), Eaglehorse_17 (B2), Eva_14 (DR), Faze9_17 (B2), FelixTres_15 (DR), FrenchFry_17 (B2), Fresco_13 (DR), Gadget_17 (B3), Gervas_16 (B3), Glass_17 (B2), GlenHope_17 (B3), Glubnar_16 (B3), GodPhather_12 (W), Godines_17 (B2), Halfpint_15 (B3), HarveySr_16 (B3), Heathcliff_16 (B3), Hedgerow_17 (B2), Holeinone_17 (B2), ItsyBitsy1_17 (B2), Jackstina_15 (B3), JellyBelly_13 (DR), Jeon_11 (W), JohnLord_12 (AD), Kaleb_17 (B2), Kamiyu_16 (B3), Kheth_17 (B2), Kolhan_17 (B2), Kronus_15 (B3), Lars_17 (B2), Laurie_17 (B2), Lephleur_17 (B2), LestyG_16 (B3), Ligma_13 (DR), LilSmirk_17 (B2), LittleMunchkin_14 (DR), MakoManhole_15 (DR), Mariokart_13 (DR), Marley1013_16 (B3), Marlia_16 (B3), Megabear_11 (W), MmasiCarm_16 (B3), Mortcellus_15 (B3), Morty007_16 (B3), MossRose_15 (DR), Mulaychimus_16 (B3), NHagos_13 (DR), Neos5_16 (B3), Nozo_16 (B3), Obutu_16 (B3), Olivio_15 (B3), Opia_17 (B2), OrangeOswald_16 (B3), PR_11 (W), Phaedrus_15 (B3), Phantasmagoria_17 (B2), Phayeta_16 (B3), Philly_15 (B3), Phlyer_16 (B3), Pipefish_16 (B3), PrinceCharming_17 (B2), RagingRooster_16 (B3), Rhinoforte_17 (B2), Rita1961_16 (B3), RomaT_16 (B3), Rosebush_17 (B2), Sabella_17 (B2), Shatter_13 (DR), Shenandoah_16 (B3), Sisko_13 (DR), SlippinJimmy_16 (B3), Sour_16 (DR), SwainyDoc_16 (B3), SynergyX_16 (B3), TA17A_17 (B2), TPA2_23 (singleton), Taptic_11 (W), Tinciduntsum_18 (B2), TinyTerror_16 (B3), TraderJ_15 (DR), Tres_17 (B2), Tydolla_16 (B3), Vic9_00017 (B2), West99_17 (B2), Wooper_15 (DR), Yago84_13 (DR), Yahalom_16 (B3), Yeshua_15 (DR), Yinz_16 (B3),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, AD, B2, W, B3, DR,

Info for manual annotations of cluster AD:

- Start number 9 was manually annotated 3 times for cluster AD.
- Start number 10 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster B2:

- Start number 10 was manually annotated 33 times for cluster B2.

Info for manual annotations of cluster B3:

- Start number 10 was manually annotated 53 times for cluster B3.

Info for manual annotations of cluster DR:

- Start number 10 was manually annotated 23 times for cluster DR.

Info for manual annotations of cluster W:

- Start number 10 was manually annotated 8 times for cluster W.

Gene Information:

Gene: Abinghost_16 Start: 13964, Stop: 14569, Start Num: 10

Candidate Starts for Abinghost_16:

(Start: 10 @13964 has 118 MA's), (13, 13985), (19, 14081), (33, 14201), (48, 14363), (52, 14402), (55, 14420),

Gene: Akoma_16 Start: 13964, Stop: 14569, Start Num: 10

Candidate Starts for Akoma_16:

(Start: 10 @13964 has 118 MA's), (13, 13985), (19, 14081), (48, 14363), (55, 14420),

Gene: AksarBAT_13 Start: 12372, Stop: 12851, Start Num: 10

Candidate Starts for AksarBAT_13:

(Start: 10 @12372 has 118 MA's), (14, 12396), (16, 12426), (25, 12531), (43, 12690),

Gene: Allegro_17 Start: 15353, Stop: 16102, Start Num: 10

Candidate Starts for Allegro_17:

(Start: 10 @15353 has 118 MA's), (22, 15506), (25, 15518), (28, 15548), (33, 15584), (35, 15617), (39, 15650), (42, 15704), (46, 15731), (51, 15779), (53, 15797), (56, 15863), (59, 15884), (63, 15929), (66, 15941), (68, 15962),

Gene: AnClar_13 Start: 13251, Stop: 13772, Start Num: 10

Candidate Starts for AnClar_13:

(Start: 10 @13251 has 118 MA's), (16, 13305), (20, 13374), (25, 13410), (63, 13617), (67, 13644),

Gene: AnarQue_15 Start: 13914, Stop: 14381, Start Num: 10

Candidate Starts for AnarQue_15:

(4, 13704), (5, 13773), (Start: 10 @13914 has 118 MA's), (16, 13968), (25, 14070), (27, 14094), (63, 14349),

Gene: Ares_17 Start: 15353, Stop: 16102, Start Num: 10

Candidate Starts for Ares_17:

(Start: 10 @15353 has 118 MA's), (22, 15506), (25, 15518), (28, 15548), (33, 15584), (35, 15617), (39, 15650), (42, 15704), (46, 15731), (51, 15779), (53, 15797), (56, 15863), (59, 15884), (63, 15929), (66, 15941), (68, 15962),

Gene: Argie_12 Start: 13780, Stop: 14178, Start Num: 10

Candidate Starts for Argie_12:

(Start: 10 @13780 has 118 MA's), (12, 13798), (15, 13828), (17, 13861), (19, 13897), (23, 13930), (24, 13933), (26, 13945), (47, 14149), (50, 14170),

Gene: Athena_17 Start: 14727, Stop: 15332, Start Num: 10

Candidate Starts for Athena_17:

(Start: 10 @14727 has 118 MA's), (13, 14748), (19, 14844), (33, 14964), (48, 15126), (52, 15165), (55, 15183),

Gene: Audrey_16 Start: 13964, Stop: 14569, Start Num: 10

Candidate Starts for Audrey_16:

(Start: 10 @13964 has 118 MA's), (13, 13985), (19, 14081), (33, 14201), (48, 14363), (52, 14402), (55, 14420),

Gene: Axumite_13 Start: 12434, Stop: 12952, Start Num: 10

Candidate Starts for Axumite_13:

(Start: 10 @12434 has 118 MA's), (16, 12488), (63, 12869), (68, 12899),

Gene: Baloo_16 Start: 13964, Stop: 14569, Start Num: 10

Candidate Starts for Baloo_16:

(Start: 10 @13964 has 118 MA's), (13, 13985), (19, 14081), (33, 14201), (48, 14363), (52, 14402), (55, 14420),

Gene: Bananafish_17 Start: 15350, Stop: 16099, Start Num: 10

Candidate Starts for Bananafish_17:

(Start: 10 @15350 has 118 MA's), (22, 15503), (25, 15515), (28, 15545), (33, 15581), (35, 15614), (39, 15647), (42, 15701), (46, 15728), (51, 15776), (53, 15794), (56, 15860), (59, 15881), (63, 15926), (66, 15938), (68, 15959),

Gene: Ben11_15 Start: 13788, Stop: 14393, Start Num: 10

Candidate Starts for Ben11_15:

(Start: 10 @13788 has 118 MA's), (13, 13809), (19, 13905), (33, 14025), (48, 14187), (52, 14226), (55, 14244),

Gene: Bernardo_16 Start: 13963, Stop: 14568, Start Num: 10

Candidate Starts for Bernardo_16:

(Start: 10 @13963 has 118 MA's), (13, 13984), (19, 14080), (48, 14362), (55, 14419),

Gene: BiggityBass_12 Start: 12234, Stop: 12866, Start Num: 10

Candidate Starts for BiggityBass_12:

(Start: 10 @12234 has 118 MA's), (16, 12288), (31, 12450), (38, 12519), (63, 12717), (64, 12720), (67, 12744), (70, 12792),

Gene: Blackpen_15 Start: 13394, Stop: 13798, Start Num: 10

Candidate Starts for Blackpen_15:

(Start: 10 @13394 has 118 MA's), (16, 13448), (25, 13550), (27, 13574), (63, 13766),

Gene: Blocker23_17 Start: 15470, Stop: 16219, Start Num: 10

Candidate Starts for Blocker23_17:

(Start: 10 @15470 has 118 MA's), (22, 15623), (25, 15635), (28, 15665), (33, 15701), (35, 15734), (39, 15767), (42, 15821), (46, 15848), (51, 15896), (53, 15914), (56, 15980), (59, 16001), (63, 16046), (66, 16058), (68, 16079),

Gene: BobRoss2024_12 Start: 12263, Stop: 12784, Start Num: 10

Candidate Starts for BobRoss2024_12:

(6, 12149), (Start: 10 @12263 has 118 MA's), (21, 12389), (36, 12533), (54, 12656), (63, 12755),

Gene: Boyle_17 Start: 15471, Stop: 16220, Start Num: 10

Candidate Starts for Boyle_17:

(Start: 10 @15471 has 118 MA's), (22, 15624), (25, 15636), (28, 15666), (33, 15702), (35, 15735), (39, 15768), (42, 15822), (46, 15849), (51, 15897), (53, 15915), (56, 15981), (59, 16002), (63, 16047), (66, 16059), (68, 16080),

Gene: Briakila_16 Start: 14729, Stop: 15334, Start Num: 10

Candidate Starts for Briakila_16:

(Start: 10 @14729 has 118 MA's), (13, 14750), (19, 14846), (33, 14966), (48, 15128), (52, 15167), (55, 15185),

Gene: Brownie5_17 Start: 15470, Stop: 16219, Start Num: 10

Candidate Starts for Brownie5_17:

(Start: 10 @15470 has 118 MA's), (22, 15623), (25, 15635), (28, 15665), (33, 15701), (35, 15734), (39, 15767), (42, 15821), (46, 15848), (51, 15896), (53, 15914), (56, 15980), (59, 16001), (63, 16046), (66, 16058), (68, 16079),

Gene: CaiB_15 Start: 13902, Stop: 14366, Start Num: 10

Candidate Starts for CaiB_15:

(4, 13692), (5, 13761), (Start: 10 @13902 has 118 MA's), (16, 13956), (25, 14058), (27, 14082), (63, 14334),

Gene: Calamitous_17 Start: 15350, Stop: 16099, Start Num: 10

Candidate Starts for Calamitous_17:

(Start: 10 @15350 has 118 MA's), (22, 15503), (25, 15515), (28, 15545), (33, 15581), (35, 15614), (39, 15647), (42, 15701), (46, 15728), (51, 15776), (53, 15794), (56, 15860), (59, 15881), (63, 15926), (66, 15938), (68, 15959),

Gene: Casbah_15 Start: 13816, Stop: 14421, Start Num: 10

Candidate Starts for Casbah_15:

(Start: 10 @13816 has 118 MA's), (13, 13837), (19, 13933), (21, 13942), (33, 14053), (48, 14215), (52, 14254), (55, 14272),

Gene: Caterpie_11 Start: 11410, Stop: 11775, Start Num: 10

Candidate Starts for Caterpie_11:

(Start: 9 @11404 has 3 MA's), (Start: 10 @11410 has 118 MA's), (11, 11422), (12, 11428), (13, 11431), (18, 11500), (19, 11530), (22, 11554), (25, 11566), (63, 11737), (64, 11740),

Gene: Cepens_11 Start: 13519, Stop: 13902, Start Num: 10

Candidate Starts for Cepens_11:

(Start: 10 @13519 has 118 MA's), (12, 13537), (15, 13567), (17, 13600), (19, 13636), (23, 13669), (24, 13672), (26, 13684), (47, 13873), (50, 13894),

Gene: ChaChing_16 Start: 13979, Stop: 14584, Start Num: 10

Candidate Starts for ChaChing_16:

(Start: 10 @13979 has 118 MA's), (13, 14000), (19, 14096), (33, 14216), (48, 14378), (55, 14435),

Gene: Chalmers_16 Start: 14772, Stop: 15377, Start Num: 10

Candidate Starts for Chalmers_16:

(Start: 10 @14772 has 118 MA's), (13, 14793), (19, 14889), (48, 15171), (52, 15210), (55, 15228),

Gene: Chandler_16 Start: 14738, Stop: 15343, Start Num: 10

Candidate Starts for Chandler_16:

(Start: 10 @14738 has 118 MA's), (13, 14759), (19, 14855), (21, 14864), (33, 14975), (48, 15137), (52, 15176), (55, 15194),

Gene: CharlottesWeb_13 Start: 12479, Stop: 12856, Start Num: 10

Candidate Starts for CharlottesWeb_13:

(Start: 10 @12479 has 118 MA's), (14, 12503), (16, 12533), (60, 12785), (61, 12800), (63, 12818),

Gene: Chentzyk_15 Start: 13834, Stop: 14439, Start Num: 10

Candidate Starts for Chentzyk_15:

(Start: 10 @13834 has 118 MA's), (13, 13855), (19, 13951), (33, 14071), (48, 14233), (52, 14272), (55, 14290),

Gene: CloverMinnie_15 Start: 13902, Stop: 14306, Start Num: 10

Candidate Starts for CloverMinnie_15:

(3, 13398), (4, 13692), (5, 13761), (Start: 10 @13902 has 118 MA's), (16, 13956), (25, 14058), (27, 14082), (63, 14274),

Gene: Coco2012_13 Start: 12476, Stop: 12853, Start Num: 10

Candidate Starts for Coco2012_13:

(Start: 10 @12476 has 118 MA's), (14, 12500), (16, 12530), (60, 12782), (61, 12797), (63, 12815),

Gene: Coffee_17 Start: 15467, Stop: 16216, Start Num: 10

Candidate Starts for Coffee_17:

(Start: 10 @15467 has 118 MA's), (22, 15620), (25, 15632), (28, 15662), (33, 15698), (35, 15731), (39, 15764), (42, 15818), (46, 15845), (51, 15893), (53, 15911), (56, 15977), (59, 15998), (63, 16043), (66, 16055), (68, 16076),

Gene: Coldpizza_15 Start: 14404, Stop: 14931, Start Num: 10

Candidate Starts for Coldpizza_15:

(Start: 9 @14398 has 3 MA's), (Start: 10 @14404 has 118 MA's), (18, 14494), (20, 14527), (31, 14620), (46, 14770), (65, 14908),

Gene: Compostia_17 Start: 14397, Stop: 15002, Start Num: 10

Candidate Starts for Compostia_17:

(Start: 10 @14397 has 118 MA's), (13, 14418), (19, 14514), (21, 14523), (33, 14634), (48, 14796), (52, 14835), (55, 14853),

Gene: Corofin_16 Start: 13989, Stop: 14594, Start Num: 10

Candidate Starts for Corofin_16:

(Start: 10 @13989 has 118 MA's), (13, 14010), (19, 14106), (33, 14226), (48, 14388), (52, 14427), (55, 14445),

Gene: D12_11 Start: 13497, Stop: 13895, Start Num: 10

Candidate Starts for D12_11:

(Start: 10 @13497 has 118 MA's), (12, 13515), (15, 13545), (17, 13578), (19, 13614), (23, 13647), (24, 13650), (26, 13662), (47, 13866), (50, 13887),

Gene: Daisy_16 Start: 13985, Stop: 14590, Start Num: 10

Candidate Starts for Daisy_16:

(Start: 10 @13985 has 118 MA's), (13, 14006), (19, 14102), (33, 14222), (48, 14384), (52, 14423), (55, 14441),

Gene: Deenasa_16 Start: 14727, Stop: 15332, Start Num: 10

Candidate Starts for Deenasa_16:

(Start: 10 @14727 has 118 MA's), (13, 14748), (19, 14844), (33, 14964), (48, 15126), (52, 15165), (55, 15183),

Gene: Devonte_16 Start: 13964, Stop: 14569, Start Num: 10

Candidate Starts for Devonte_16:

(Start: 10 @13964 has 118 MA's), (13, 13985), (19, 14081), (33, 14201), (48, 14363), (52, 14402), (55, 14420),

Gene: Dori_12 Start: 11226, Stop: 11591, Start Num: 10

Candidate Starts for Dori_12:

(Start: 9 @11220 has 3 MA's), (Start: 10 @11226 has 118 MA's), (11, 11238), (12, 11244), (13, 11247), (18, 11316), (19, 11346), (22, 11370), (25, 11382), (63, 11553), (64, 11556),

Gene: Eaglehorse_17 Start: 15374, Stop: 16123, Start Num: 10

Candidate Starts for Eaglehorse_17:

(Start: 10 @15374 has 118 MA's), (22, 15527), (25, 15539), (28, 15569), (33, 15605), (35, 15638), (39, 15671), (42, 15725), (46, 15752), (51, 15800), (53, 15818), (56, 15884), (59, 15905), (63, 15950), (66, 15962), (68, 15983),

Gene: Evaa_14 Start: 13757, Stop: 14248, Start Num: 10

Candidate Starts for Evaa_14:

(Start: 10 @13757 has 118 MA's), (34, 14009), (45, 14090), (59, 14171), (63, 14216),

Gene: Faze9_17 Start: 15467, Stop: 16216, Start Num: 10

Candidate Starts for Faze9_17:

(Start: 10 @15467 has 118 MA's), (22, 15620), (25, 15632), (28, 15662), (33, 15698), (35, 15731), (39, 15764), (42, 15818), (46, 15845), (51, 15893), (53, 15911), (56, 15977), (59, 15998), (63, 16043), (66, 16055), (68, 16076),

Gene: FelixTres_15 Start: 13902, Stop: 14369, Start Num: 10

Candidate Starts for FelixTres_15:

(3, 13398), (4, 13692), (5, 13761), (Start: 10 @13902 has 118 MA's), (16, 13956), (25, 14058), (27, 14082), (63, 14337),

Gene: FrenchFry_17 Start: 15470, Stop: 16219, Start Num: 10

Candidate Starts for FrenchFry_17:

(Start: 10 @15470 has 118 MA's), (22, 15623), (25, 15635), (28, 15665), (33, 15701), (35, 15734), (39, 15767), (42, 15821), (46, 15848), (51, 15896), (53, 15914), (56, 15980), (59, 16001), (63, 16046), (66, 16058), (68, 16079),

Gene: Fresco_13 Start: 12434, Stop: 12952, Start Num: 10

Candidate Starts for Fresco_13:

(Start: 10 @12434 has 118 MA's), (16, 12488), (63, 12869), (68, 12899),

Gene: Gadget_17 Start: 13968, Stop: 14573, Start Num: 10

Candidate Starts for Gadget_17:

(Start: 10 @13968 has 118 MA's), (13, 13989), (19, 14085), (33, 14205), (48, 14367), (52, 14406), (55, 14424),

Gene: Gervas_16 Start: 13947, Stop: 14552, Start Num: 10

Candidate Starts for Gervas_16:

(Start: 10 @13947 has 118 MA's), (13, 13968), (19, 14064), (33, 14184), (48, 14346), (55, 14403),

Gene: Glass_17 Start: 15470, Stop: 16219, Start Num: 10

Candidate Starts for Glass_17:

(Start: 10 @15470 has 118 MA's), (22, 15623), (25, 15635), (28, 15665), (33, 15701), (35, 15734), (39, 15767), (42, 15821), (46, 15848), (51, 15896), (53, 15914), (56, 15980), (59, 16001), (63, 16046), (66, 16058), (68, 16079),

Gene: GlenHope_17 Start: 13954, Stop: 14559, Start Num: 10

Candidate Starts for GlenHope_17:

(Start: 10 @13954 has 118 MA's), (13, 13975), (19, 14071), (33, 14191), (48, 14353), (55, 14410),

Gene: Glubnar_16 Start: 13968, Stop: 14573, Start Num: 10

Candidate Starts for Glubnar_16:

(Start: 10 @13968 has 118 MA's), (13, 13989), (19, 14085), (33, 14205), (48, 14367), (52, 14406), (55, 14424),

Gene: GodPhather_12 Start: 13777, Stop: 14160, Start Num: 10

Candidate Starts for GodPhather_12:

(Start: 10 @13777 has 118 MA's), (12, 13795), (15, 13825), (17, 13858), (19, 13894), (23, 13927), (24, 13930), (26, 13942), (47, 14131), (50, 14152),

Gene: Godines_17 Start: 15353, Stop: 16102, Start Num: 10

Candidate Starts for Godines_17:

(Start: 10 @15353 has 118 MA's), (22, 15506), (25, 15518), (28, 15548), (33, 15584), (35, 15617), (39, 15650), (42, 15704), (46, 15731), (51, 15779), (53, 15797), (56, 15863), (59, 15884), (63, 15929), (66, 15941), (68, 15962),

Gene: Halfpint_15 Start: 13789, Stop: 14394, Start Num: 10

Candidate Starts for Halfpint_15:

(Start: 10 @13789 has 118 MA's), (13, 13810), (19, 13906), (33, 14026), (48, 14188), (52, 14227), (55, 14245),

Gene: HarveySr_16 Start: 13941, Stop: 14546, Start Num: 10

Candidate Starts for HarveySr_16:

(Start: 10 @13941 has 118 MA's), (13, 13962), (19, 14058), (21, 14067), (33, 14178), (48, 14340), (52, 14379), (55, 14397),

Gene: Heathcliff_16 Start: 13926, Stop: 14531, Start Num: 10

Candidate Starts for Heathcliff_16:

(Start: 10 @13926 has 118 MA's), (13, 13947), (19, 14043), (33, 14163), (48, 14325), (52, 14364), (55, 14382),

Gene: Hedgerow_17 Start: 15452, Stop: 16201, Start Num: 10

Candidate Starts for Hedgerow_17:

(Start: 10 @15452 has 118 MA's), (22, 15605), (25, 15617), (28, 15647), (33, 15683), (35, 15716), (39, 15749), (42, 15803), (46, 15830), (51, 15878), (53, 15896), (56, 15962), (59, 15983), (63, 16028), (66, 16040), (68, 16061),

Gene: Holeinone_17 Start: 15352, Stop: 16101, Start Num: 10

Candidate Starts for Holeinone_17:

(Start: 10 @15352 has 118 MA's), (22, 15505), (25, 15517), (28, 15547), (33, 15583), (35, 15616), (39, 15649), (42, 15703), (46, 15730), (51, 15778), (53, 15796), (56, 15862), (59, 15883), (63, 15928), (66, 15940), (68, 15961),

Gene: ItsyBitsy1_17 Start: 15344, Stop: 16093, Start Num: 10

Candidate Starts for ItsyBitsy1_17:

(Start: 10 @15344 has 118 MA's), (22, 15497), (25, 15509), (28, 15539), (33, 15575), (35, 15608), (39, 15641), (42, 15695), (46, 15722), (51, 15770), (53, 15788), (56, 15854), (59, 15875), (63, 15920), (66, 15932), (68, 15953),

Gene: Jackstina_15 Start: 13890, Stop: 14495, Start Num: 10

Candidate Starts for Jackstina_15:

(Start: 10 @13890 has 118 MA's), (13, 13911), (19, 14007), (33, 14127), (48, 14289), (52, 14328), (55, 14346),

Gene: JellyBelly_13 Start: 12479, Stop: 12856, Start Num: 10

Candidate Starts for JellyBelly_13:

(Start: 10 @12479 has 118 MA's), (14, 12503), (16, 12533), (60, 12785), (61, 12800), (63, 12818),

Gene: Jeon_11 Start: 13507, Stop: 13902, Start Num: 10

Candidate Starts for Jeon_11:

(Start: 10 @13507 has 118 MA's), (12, 13525), (15, 13555), (17, 13588), (19, 13624), (23, 13657), (24, 13660), (26, 13672), (47, 13873), (50, 13894),

Gene: JohnLord_12 Start: 10929, Stop: 11294, Start Num: 10

Candidate Starts for JohnLord_12:

(Start: 9 @10923 has 3 MA's), (Start: 10 @10929 has 118 MA's), (11, 10941), (12, 10947), (13, 10950), (18, 11019), (19, 11049), (22, 11073), (25, 11085), (63, 11256), (64, 11259),

Gene: Kaleb_17 Start: 15470, Stop: 16219, Start Num: 10

Candidate Starts for Kaleb_17:

(Start: 10 @15470 has 118 MA's), (22, 15623), (25, 15635), (28, 15665), (33, 15701), (35, 15734), (39, 15767), (42, 15821), (46, 15848), (51, 15896), (53, 15914), (56, 15980), (59, 16001), (63, 16046), (66, 16058), (68, 16079),

Gene: Kamiyu_16 Start: 13935, Stop: 14540, Start Num: 10

Candidate Starts for Kamiyu_16:

(Start: 10 @13935 has 118 MA's), (13, 13956), (19, 14052), (33, 14172), (48, 14334), (52, 14373), (55, 14391),

Gene: Kheth_17 Start: 15353, Stop: 16102, Start Num: 10

Candidate Starts for Kheth_17:

(Start: 10 @15353 has 118 MA's), (22, 15506), (25, 15518), (28, 15548), (33, 15584), (35, 15617), (39, 15650), (42, 15704), (46, 15731), (51, 15779), (53, 15797), (56, 15863), (59, 15884), (63, 15929), (66, 15941), (68, 15962),

Gene: Kolhan_17 Start: 15350, Stop: 16099, Start Num: 10

Candidate Starts for Kolhan_17:

(Start: 10 @15350 has 118 MA's), (22, 15503), (25, 15515), (28, 15545), (33, 15581), (35, 15614), (39, 15647), (42, 15701), (46, 15728), (51, 15776), (53, 15794), (56, 15860), (59, 15881), (63, 15926), (66, 15938), (68, 15959),

Gene: Kronus_15 Start: 14547, Stop: 15152, Start Num: 10

Candidate Starts for Kronus_15:

(Start: 10 @14547 has 118 MA's), (13, 14568), (19, 14664), (33, 14784), (48, 14946), (52, 14985), (55, 15003),

Gene: Lars_17 Start: 15470, Stop: 16219, Start Num: 10

Candidate Starts for Lars_17:

(Start: 10 @15470 has 118 MA's), (22, 15623), (25, 15635), (28, 15665), (33, 15701), (35, 15734), (39, 15767), (42, 15821), (46, 15848), (51, 15896), (53, 15914), (56, 15980), (59, 16001), (63, 16046), (66, 16058), (68, 16079),

Gene: Laurie_17 Start: 15348, Stop: 16097, Start Num: 10

Candidate Starts for Laurie_17:

(Start: 10 @15348 has 118 MA's), (22, 15501), (25, 15513), (28, 15543), (33, 15579), (35, 15612), (39, 15645), (42, 15699), (46, 15726), (51, 15774), (53, 15792), (56, 15858), (59, 15879), (63, 15924), (66, 15936), (68, 15957),

Gene: Lephleur_17 Start: 15350, Stop: 16099, Start Num: 10

Candidate Starts for Lephleur_17:

(Start: 10 @15350 has 118 MA's), (22, 15503), (25, 15515), (28, 15545), (33, 15581), (35, 15614), (39, 15647), (40, 15662), (42, 15701), (46, 15728), (51, 15776), (53, 15794), (56, 15860), (59, 15881), (63, 15926), (66, 15938), (68, 15959),

Gene: LestyG_16 Start: 13968, Stop: 14573, Start Num: 10

Candidate Starts for LestyG_16:

(Start: 10 @13968 has 118 MA's), (13, 13989), (19, 14085), (33, 14205), (48, 14367), (52, 14406), (55, 14424),

Gene: Ligma_13 Start: 12434, Stop: 12952, Start Num: 10

Candidate Starts for Ligma_13:

(Start: 10 @12434 has 118 MA's), (16, 12488), (63, 12869), (68, 12899),

Gene: LilSmirk_17 Start: 15350, Stop: 16099, Start Num: 10

Candidate Starts for LilSmirk_17:

(Start: 10 @15350 has 118 MA's), (22, 15503), (25, 15515), (28, 15545), (33, 15581), (35, 15614), (39, 15647), (42, 15701), (46, 15728), (51, 15776), (53, 15794), (56, 15860), (59, 15881), (63, 15926), (66, 15938), (68, 15959),

Gene: LittleMunchkin_14 Start: 13719, Stop: 14384, Start Num: 10

Candidate Starts for LittleMunchkin_14:

(Start: 10 @13719 has 118 MA's), (16, 13773), (20, 13842), (31, 13935), (44, 14049), (45, 14055), (58, 14136), (59, 14142), (62, 14175), (69, 14226), (72, 14286), (73, 14307),

Gene: MakoManhole_15 Start: 13902, Stop: 14384, Start Num: 10

Candidate Starts for MakoManhole_15:

(3, 13398), (4, 13692), (5, 13761), (Start: 10 @13902 has 118 MA's), (16, 13956), (25, 14058), (27, 14082), (63, 14352),

Gene: Mao1_11 Start: 11616, Stop: 11987, Start Num: 9

Candidate Starts for Mao1_11:

(Start: 9 @11616 has 3 MA's), (Start: 10 @11622 has 118 MA's), (11, 11634), (12, 11640), (13, 11643), (18, 11712), (19, 11742), (22, 11766), (25, 11778), (63, 11949), (64, 11952),

Gene: Mariokart_13 Start: 12478, Stop: 12855, Start Num: 10

Candidate Starts for Mariokart_13:

(Start: 10 @12478 has 118 MA's), (14, 12502), (16, 12532), (49, 12712), (60, 12784), (61, 12799), (63, 12817),

Gene: Marley1013_16 Start: 14748, Stop: 15353, Start Num: 10

Candidate Starts for Marley1013_16:

(Start: 10 @14748 has 118 MA's), (13, 14769), (19, 14865), (48, 15147), (55, 15204),

Gene: Marlia_16 Start: 13950, Stop: 14555, Start Num: 10

Candidate Starts for Marlia_16:

(Start: 10 @13950 has 118 MA's), (13, 13971), (19, 14067), (33, 14187), (48, 14349), (55, 14406),

Gene: Mask_12 Start: 11617, Stop: 11988, Start Num: 9

Candidate Starts for Mask_12:

(Start: 9 @11617 has 3 MA's), (Start: 10 @11623 has 118 MA's), (11, 11635), (12, 11641), (13, 11644), (18, 11713), (19, 11743), (22, 11767), (25, 11779), (63, 11950), (64, 11953),

Gene: Megabear_11 Start: 13462, Stop: 13845, Start Num: 10

Candidate Starts for Megabear_11:

(Start: 10 @13462 has 118 MA's), (12, 13480), (15, 13510), (17, 13543), (19, 13579), (23, 13612), (24, 13615), (26, 13627), (47, 13816), (50, 13837),

Gene: MmasiCarm_16 Start: 13961, Stop: 14566, Start Num: 10

Candidate Starts for MmasiCarm_16:

(Start: 10 @13961 has 118 MA's), (13, 13982), (19, 14078), (33, 14198), (48, 14360), (52, 14399), (55, 14417),

Gene: Mortcellus_15 Start: 14602, Stop: 15207, Start Num: 10

Candidate Starts for Mortcellus_15:

(Start: 10 @14602 has 118 MA's), (13, 14623), (19, 14719), (33, 14839), (48, 15001), (55, 15058),

Gene: Morty007_16 Start: 14748, Stop: 15353, Start Num: 10

Candidate Starts for Morty007_16:

(Start: 10 @14748 has 118 MA's), (13, 14769), (19, 14865), (48, 15147), (55, 15204),

Gene: MossRose_15 Start: 13902, Stop: 14363, Start Num: 10

Candidate Starts for MossRose_15:

(3, 13398), (4, 13692), (5, 13761), (Start: 10 @13902 has 118 MA's), (16, 13956), (25, 14058), (27, 14082), (63, 14331),

Gene: Mulaychimus_16 Start: 13941, Stop: 14546, Start Num: 10

Candidate Starts for Mulaychimus_16:

(Start: 10 @13941 has 118 MA's), (13, 13962), (19, 14058), (33, 14178), (48, 14340), (52, 14379), (55, 14397),

Gene: NHagos_13 Start: 12375, Stop: 12854, Start Num: 10

Candidate Starts for NHagos_13:

(Start: 10 @12375 has 118 MA's), (14, 12399), (16, 12429), (25, 12534), (43, 12693),

Gene: Neos5_16 Start: 14754, Stop: 15359, Start Num: 10

Candidate Starts for Neos5_16:

(Start: 10 @14754 has 118 MA's), (13, 14775), (19, 14871), (48, 15153), (52, 15192), (55, 15210),

Gene: Nozo_16 Start: 14729, Stop: 15334, Start Num: 10

Candidate Starts for Nozo_16:

(Start: 10 @14729 has 118 MA's), (13, 14750), (19, 14846), (33, 14966), (48, 15128), (52, 15167), (55, 15185),

Gene: Obutu_16 Start: 13959, Stop: 14564, Start Num: 10

Candidate Starts for Obutu_16:

(Start: 10 @13959 has 118 MA's), (13, 13980), (19, 14076), (33, 14196), (48, 14358), (52, 14397), (55, 14415),

Gene: Olivio_15 Start: 13813, Stop: 14418, Start Num: 10

Candidate Starts for Olivio_15:

(Start: 10 @13813 has 118 MA's), (13, 13834), (19, 13930), (33, 14050), (48, 14212), (52, 14251), (55, 14269),

Gene: Opia_17 Start: 15350, Stop: 16099, Start Num: 10

Candidate Starts for Opia_17:

(Start: 10 @15350 has 118 MA's), (22, 15503), (25, 15515), (28, 15545), (33, 15581), (35, 15614), (39, 15647), (42, 15701), (46, 15728), (51, 15776), (53, 15794), (56, 15860), (59, 15881), (63, 15926), (66, 15938), (68, 15959),

Gene: OrangeOswald_16 Start: 13964, Stop: 14569, Start Num: 10

Candidate Starts for OrangeOswald_16:

(Start: 10 @13964 has 118 MA's), (13, 13985), (19, 14081), (33, 14201), (48, 14363), (52, 14402), (55, 14420),

Gene: PR_11 Start: 13474, Stop: 13872, Start Num: 10

Candidate Starts for PR_11:

(Start: 10 @13474 has 118 MA's), (12, 13492), (15, 13522), (17, 13555), (19, 13591), (23, 13624), (24, 13627), (26, 13639), (47, 13843), (50, 13864),

Gene: Phaedrus_15 Start: 13882, Stop: 14487, Start Num: 10

Candidate Starts for Phaedrus_15:

(Start: 10 @13882 has 118 MA's), (13, 13903), (19, 13999), (33, 14119), (48, 14281), (52, 14320), (55, 14338),

Gene: Phantasmagoria_17 Start: 15350, Stop: 16099, Start Num: 10

Candidate Starts for Phantasmagoria_17:

(Start: 10 @15350 has 118 MA's), (22, 15503), (25, 15515), (28, 15545), (33, 15581), (35, 15614), (39, 15647), (42, 15701), (46, 15728), (51, 15776), (53, 15794), (56, 15860), (59, 15881), (63, 15926), (66, 15938), (68, 15959),

Gene: Phayeta_16 Start: 13840, Stop: 14445, Start Num: 10

Candidate Starts for Phayeta_16:

(Start: 10 @13840 has 118 MA's), (13, 13861), (19, 13957), (33, 14077), (48, 14239), (52, 14278), (55, 14296),

Gene: Philly_15 Start: 13830, Stop: 14435, Start Num: 10

Candidate Starts for Philly_15:

(Start: 10 @13830 has 118 MA's), (13, 13851), (19, 13947), (21, 13956), (33, 14067), (48, 14229), (52, 14268), (55, 14286),

Gene: Phlyer_16 Start: 14698, Stop: 15303, Start Num: 10

Candidate Starts for Phlyer_16:

(Start: 10 @14698 has 118 MA's), (13, 14719), (19, 14815), (33, 14935), (48, 15097), (52, 15136), (55, 15154),

Gene: Pipefish_16 Start: 14848, Stop: 15453, Start Num: 10

Candidate Starts for Pipefish_16:

(Start: 10 @14848 has 118 MA's), (13, 14869), (19, 14965), (48, 15247),

Gene: PrinceCharming_17 Start: 15470, Stop: 16219, Start Num: 10

Candidate Starts for PrinceCharming_17:

(Start: 10 @15470 has 118 MA's), (22, 15623), (25, 15635), (28, 15665), (33, 15701), (35, 15734), (39, 15767), (42, 15821), (46, 15848), (51, 15896), (53, 15914), (56, 15980), (59, 16001), (63, 16046), (66, 16058), (68, 16079),

Gene: RagingRooster_16 Start: 13965, Stop: 14570, Start Num: 10

Candidate Starts for RagingRooster_16:

(Start: 10 @13965 has 118 MA's), (13, 13986), (19, 14082), (33, 14202), (48, 14364), (52, 14403), (55, 14421),

Gene: Rhinoforte_17 Start: 15467, Stop: 16216, Start Num: 10

Candidate Starts for Rhinoforte_17:

(Start: 10 @15467 has 118 MA's), (22, 15620), (25, 15632), (28, 15662), (33, 15698), (35, 15731), (39, 15764), (42, 15818), (46, 15845), (51, 15893), (53, 15911), (56, 15977), (59, 15998), (63, 16043), (66, 16055), (68, 16076),

Gene: Rita1961_16 Start: 13960, Stop: 14565, Start Num: 10

Candidate Starts for Rita1961_16:

(Start: 10 @13960 has 118 MA's), (13, 13981), (19, 14077), (33, 14197), (48, 14359), (55, 14416),

Gene: RomaT_16 Start: 14745, Stop: 15350, Start Num: 10

Candidate Starts for RomaT_16:

(Start: 10 @14745 has 118 MA's), (13, 14766), (19, 14862), (33, 14982), (48, 15144), (52, 15183), (55, 15201),

Gene: Rosebush_17 Start: 15467, Stop: 16216, Start Num: 10

Candidate Starts for Rosebush_17:

(Start: 10 @15467 has 118 MA's), (22, 15620), (25, 15632), (28, 15662), (33, 15698), (35, 15731), (39, 15764), (42, 15818), (46, 15845), (51, 15893), (53, 15911), (56, 15977), (59, 15998), (63, 16043), (66, 16055), (68, 16076),

Gene: Sabella_17 Start: 15353, Stop: 16102, Start Num: 10

Candidate Starts for Sabella_17:

(Start: 10 @15353 has 118 MA's), (22, 15506), (25, 15518), (28, 15548), (33, 15584), (35, 15617), (39, 15650), (42, 15704), (46, 15731), (51, 15779), (53, 15797), (56, 15863), (59, 15884), (63, 15929), (66, 15941), (68, 15962),

Gene: Sejanus_12 Start: 12433, Stop: 12921, Start Num: 9

Candidate Starts for Sejanus_12:

(Start: 9 @12433 has 3 MA's), (Start: 10 @12439 has 118 MA's), (11, 12451), (12, 12457), (13, 12460), (18, 12529), (19, 12559), (22, 12583), (25, 12595), (29, 12643), (37, 12709), (41, 12745), (63, 12883), (64, 12886),

Gene: Shatter_13 Start: 12434, Stop: 12952, Start Num: 10

Candidate Starts for Shatter_13:

(Start: 10 @12434 has 118 MA's), (16, 12488), (63, 12869), (68, 12899),

Gene: Shenandoah_16 Start: 13943, Stop: 14548, Start Num: 10

Candidate Starts for Shenandoah_16:

(Start: 10 @13943 has 118 MA's), (13, 13964), (19, 14060), (33, 14180), (48, 14342), (52, 14381), (55, 14399),

Gene: Sisko_13 Start: 12759, Stop: 13280, Start Num: 10

Candidate Starts for Sisko_13:

(7, 12738), (Start: 10 @12759 has 118 MA's), (16, 12813), (20, 12882), (25, 12918), (63, 13125), (67, 13152), (71, 13203),

Gene: SlippinJimmy_16 Start: 14729, Stop: 15334, Start Num: 10

Candidate Starts for SlippinJimmy_16:

(Start: 10 @14729 has 118 MA's), (13, 14750), (19, 14846), (33, 14966), (48, 15128), (52, 15167), (55, 15185),

Gene: Sour_16 Start: 14097, Stop: 14714, Start Num: 10

Candidate Starts for Sour_16:

(5, 13965), (8, 14076), (Start: 10 @14097 has 118 MA's), (16, 14151), (30, 14310), (54, 14553),

Gene: SwainyDoc_16 Start: 13962, Stop: 14567, Start Num: 10

Candidate Starts for SwainyDoc_16:

(Start: 10 @13962 has 118 MA's), (13, 13983), (19, 14079), (21, 14088), (33, 14199), (48, 14361), (52, 14400), (55, 14418),

Gene: SynergyX_16 Start: 13965, Stop: 14570, Start Num: 10

Candidate Starts for SynergyX_16:

(Start: 10 @13965 has 118 MA's), (13, 13986), (19, 14082), (33, 14202), (48, 14364), (52, 14403), (55, 14421),

Gene: TA17A_17 Start: 15350, Stop: 16099, Start Num: 10

Candidate Starts for TA17A_17:

(Start: 10 @15350 has 118 MA's), (22, 15503), (25, 15515), (28, 15545), (33, 15581), (35, 15614), (39, 15647), (42, 15701), (46, 15728), (51, 15776), (53, 15794), (56, 15860), (59, 15881), (63, 15926), (66, 15938), (68, 15959),

Gene: TPA2_23 Start: 15116, Stop: 15712, Start Num: 10

Candidate Starts for TPA2_23:

(Start: 10 @15116 has 118 MA's), (16, 15170), (25, 15275), (32, 15335), (55, 15494), (57, 15530),

Gene: Taptic_11 Start: 13462, Stop: 13845, Start Num: 10

Candidate Starts for Taptic_11:

(Start: 10 @13462 has 118 MA's), (12, 13480), (15, 13510), (17, 13543), (19, 13579), (23, 13612), (24, 13615), (26, 13627), (47, 13816), (50, 13837),

Gene: Tinciduntolum_18 Start: 15469, Stop: 16218, Start Num: 10

Candidate Starts for Tinciduntolum_18:

(Start: 10 @15469 has 118 MA's), (22, 15622), (25, 15634), (28, 15664), (33, 15700), (35, 15733), (39, 15766), (42, 15820), (46, 15847), (51, 15895), (53, 15913), (56, 15979), (59, 16000), (63, 16045), (66, 16057), (68, 16078),

Gene: TinyTerror_16 Start: 13964, Stop: 14569, Start Num: 10

Candidate Starts for TinyTerror_16:

(Start: 10 @13964 has 118 MA's), (13, 13985), (19, 14081), (33, 14201), (48, 14363), (52, 14402), (55, 14420),

Gene: TraderJ_15 Start: 13899, Stop: 14366, Start Num: 10

Candidate Starts for TraderJ_15:

(4, 13689), (5, 13758), (Start: 10 @13899 has 118 MA's), (16, 13953), (25, 14055), (27, 14079), (63, 14334),

Gene: Tres_17 Start: 15350, Stop: 16099, Start Num: 10

Candidate Starts for Tres_17:

(Start: 10 @15350 has 118 MA's), (22, 15503), (25, 15515), (28, 15545), (33, 15581), (35, 15614), (39, 15647), (42, 15701), (46, 15728), (51, 15776), (53, 15794), (56, 15860), (59, 15881), (63, 15926), (66, 15938), (68, 15959),

Gene: Tydolla_16 Start: 14702, Stop: 15307, Start Num: 10

Candidate Starts for Tydolla_16:

(Start: 10 @14702 has 118 MA's), (13, 14723), (19, 14819), (33, 14939), (48, 15101), (52, 15140), (55, 15158),

Gene: Vic9_00017 Start: 15790, Stop: 16539, Start Num: 10

Candidate Starts for Vic9_00017:

(Start: 10 @15790 has 118 MA's), (22, 15943), (25, 15955), (28, 15985), (33, 16021), (35, 16054), (39, 16087), (42, 16141), (46, 16168), (51, 16216), (53, 16234), (56, 16300), (59, 16321), (63, 16366), (66, 16378), (68, 16399),

Gene: West99_17 Start: 15470, Stop: 16219, Start Num: 10

Candidate Starts for West99_17:

(Start: 10 @15470 has 118 MA's), (22, 15623), (25, 15635), (28, 15665), (33, 15701), (35, 15734), (39, 15767), (42, 15821), (46, 15848), (51, 15896), (53, 15914), (56, 15980), (59, 16001), (63, 16046), (66, 16058), (68, 16079),

Gene: Wooper_15 Start: 13905, Stop: 14372, Start Num: 10

Candidate Starts for Wooper_15:

(3, 13401), (4, 13695), (5, 13764), (Start: 10 @13905 has 118 MA's), (16, 13959), (25, 14061), (27, 14085), (63, 14340),

Gene: Yago84_13 Start: 12768, Stop: 13289, Start Num: 10

Candidate Starts for Yago84_13:

(1, 12180), (2, 12183), (3, 12273), (7, 12747), (Start: 10 @12768 has 118 MA's), (16, 12822), (20, 12891), (25, 12927), (63, 13134), (67, 13161),

Gene: Yahalom_16 Start: 13976, Stop: 14581, Start Num: 10

Candidate Starts for Yahalom_16:

(Start: 10 @13976 has 118 MA's), (13, 13997), (19, 14093), (48, 14375), (55, 14432),

Gene: Yeshua_15 Start: 13912, Stop: 14349, Start Num: 10

Candidate Starts for Yeshua_15:

(4, 13702), (5, 13771), (Start: 10 @13912 has 118 MA's), (16, 13966), (25, 14068), (28, 14098), (63, 14317),

Gene: Yinz_16 Start: 14003, Stop: 14608, Start Num: 10

Candidate Starts for Yinz_16:

(Start: 10 @14003 has 118 MA's), (13, 14024), (19, 14120), (33, 14240), (48, 14402), (52, 14441), (55, 14459),