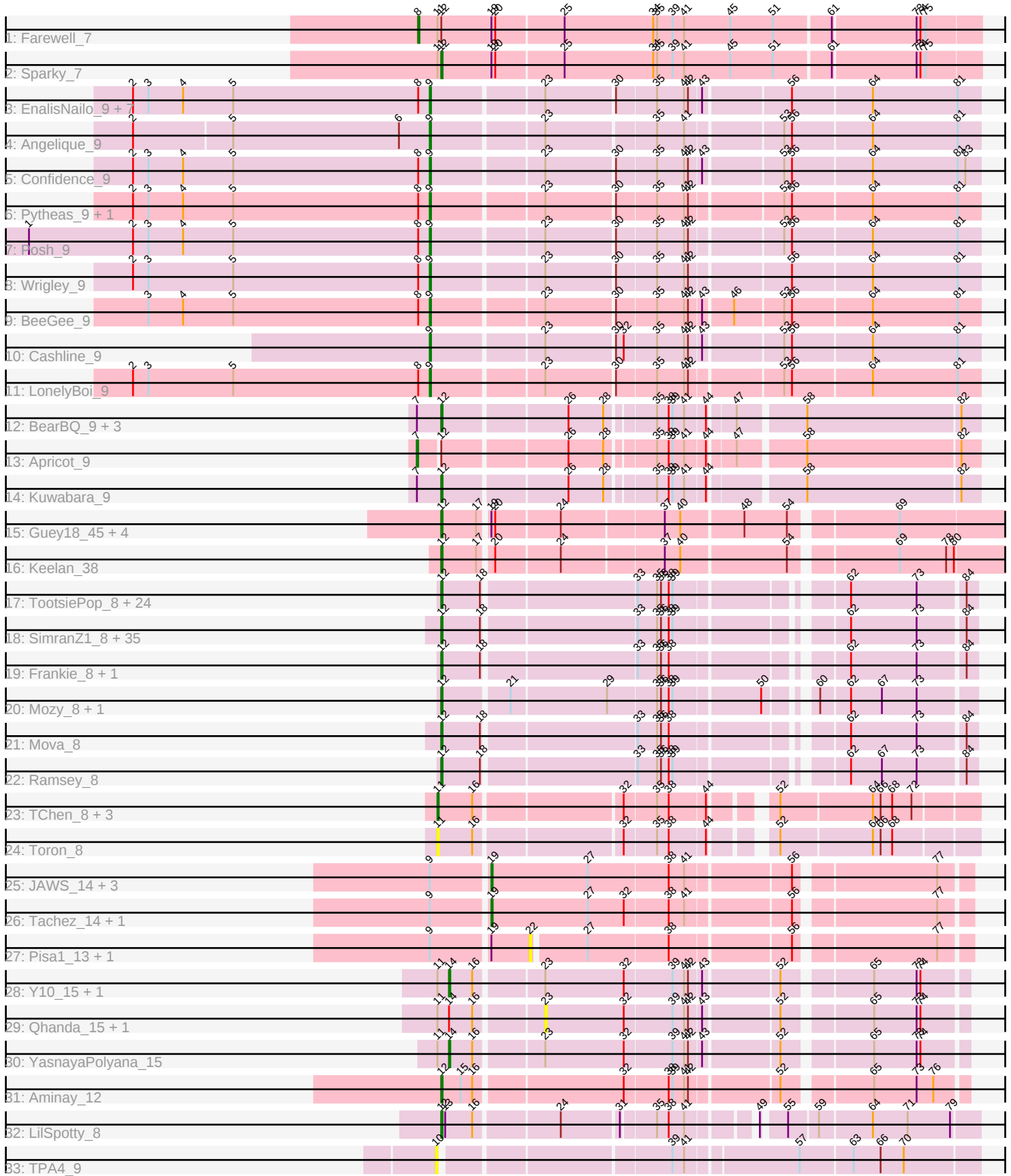


Pham 330637



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 330637 Report

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

Pham number 330637 has 119 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Farewell_7
- Track 2 : Sparky_7
- Track 3 : EnalisNailo_9, EMSquaredA_9, Floral_9, Marteena_9, BritBrat_9, Lilas_9, Pollux_9, Bradissa_9
- Track 4 : Angelique_9
- Track 5 : Confidence_9
- Track 6 : Pytheas_9, Jablanski_9
- Track 7 : Posh_9
- Track 8 : Wrigley_9
- Track 9 : BeeGee_9
- Track 10 : Cashline_9
- Track 11 : LonelyBoi_9
- Track 12 : BearBQ_9, MortyNRick_9, Crater_9, Birdsong_9
- Track 13 : Apricot_9
- Track 14 : Kuwabara_9
- Track 15 : Guey18_45, Volt_42, Fryberger_40, Ronaldo_43, Ziko_43
- Track 16 : Keelan_38
- Track 17 : TootsiePop_8, Peridot_9, RockyHorror_8, Brookers_8, Spikelee_8, BigPhil_8, Kingsley_8, Aloeri_8, Doomslug_9, Flathead_8, Starceovich_8, ChickenDinner_8, Piper2020_8, Cerasum_8, Hegedechwinu_8, Madiba_8, Tchotchke_8, DocMcStuffins_8, Brushbloom_8, Beanstalk_8, LordVader_8, Misha28_8, Sarma624_8, Squirty_8, Velveteen_8
- Track 18 : SimranZ1_8, Leozinho_8, Awesomesauce_8, Alexphander_8, Beakin_8, Plumbus_8, Lorde_8, Bobi_8, OwlsT2W_8, Girafales_8, BuzzLyseyear_8, Enby_8, Boomer_8, Emmaloid_8, MulchExplorer_8, JalFarm20_8, Rialto_8, DirtMcGirt_8, Slim_8, Stap_8, Job42_8, Coco12_8, Marker_8, Pollywog_8, LittleShirley_8, Lucia_8, DosHalletts_8, Oksu_8, UncleRicky_8, DaWorst_8, Kimberlium_8, Juice456_8, Drago_8, Quico_8, Totinger_8, Tootsieroll_8
- Track 19 : Frankie_8, Seagreen_8
- Track 20 : Mozy_8, Cornucopia_8
- Track 21 : Mova_8
- Track 22 : Ramsey_8
- Track 23 : TChen_8, LunaStella_8, ThetaBob_8, Renaud18_8
- Track 24 : Toron_8
- Track 25 : JAWS_14, Durfee_14, Boiiii_14, AlishaPH_14
- Track 26 : Tachez_14, Deby_14
- Track 27 : Pisa1_13, Pisa4_13

- Track 28 : Y10_15, Y2_15
- Track 29 : Qhanda_15, DanSyl44_15
- Track 30 : YasnayaPolyana_15
- Track 31 : Aminay_12
- Track 32 : LilSpotty_8
- Track 33 : TPA4_9

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

The start number called the most often in the published annotations is 12, it was called in 78 of the 110 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alexphander_8, Aloeri_8, Aminay_12, Awesomesauce_8, Beakin_8, Beanstalk_8, BearBQ_9, BigPhil_8, Birdsong_9, Bobi_8, Boomer_8, Brookers_8, Brushbloom_8, BuzzLyseyear_8, Cerasum_8, ChickenDinner_8, Coco12_8, Cornucopia_8, Crater_9, DaWorst_8, DirtMcgirt_8, DocMcStuffins_8, Doomslug_9, DosHalletts_8, Drago_8, Emmaloid_8, Enby_8, Flathead_8, Frankie_8, Fryberger_40, Girafales_8, Guey18_45, Hegedechwinu_8, JalFarm20_8, Job42_8, Juice456_8, Keelan_38, Kimberlium_8, Kingsley_8, Kuwabara_9, Leozinho_8, LilSpotty_8, LittleShirley_8, LordVader_8, Lorde_8, Lucia_8, Madiba_8, Marker_8, Misha28_8, MortyNRick_9, Mova_8, Mozy_8, MulchExplorer_8, Oksu_8, OwlsT2W_8, Peridot_9, Piper2020_8, Plumbus_8, Pollywog_8, Quico_8, Ramsey_8, Rialto_8, RockyHorror_8, Ronaldo_43, Sarma624_8, Seagreen_8, SimranZ1_8, Slim_8, Sparky_7, Spikelee_8, Squirty_8, Stap_8, Starceвич_8, Tchotchke_8, TootsiePop_8, Tootsieroll_8, Totinger_8, UncleRicky_8, Velveteen_8, Volt_42, Ziko_43,

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

- Apricot_9, Farewell_7,

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

- AlishaPH_14, Angelique_9, BeeGee_9, Boiii_14, Bradissa_9, BritBrat_9, Cashline_9, Confidence_9, DanSyl44_15, Deby_14, Durfee_14, EMsquaredA_9, EnalisNailo_9, Floral_9, JAWS_14, Jablanski_9, Lilas_9, LonelyBoi_9, LunaStella_8, Marteena_9, Pisa1_13, Pisa4_13, Pollux_9, Posh_9, Pytheas_9, Qhanda_15, Renaud18_8, TChen_8, TPA4_9, Tachez_14, ThetaBob_8, Toron_8, Wrigley_9, Y10_15, Y2_15, YasnayaPolyana_15,

Summary by start number:

Start 7:

- Found in 6 of 119 (5.0%) of genes in pham
- Manual Annotations of this start: 1 of 110
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Apricot_9 (DN3),

Start 8:

- Found in 16 of 119 (13.4%) of genes in pham
- Manual Annotations of this start: 1 of 110
- Called 6.2% of time when present

- Phage (with cluster) where this start called: Farewell_7 (AF),

Start 9:

- Found in 25 of 119 (21.0%) of genes in pham
- Manual Annotations of this start: 17 of 110
- Called 68.0% of time when present
- Phage (with cluster) where this start called: Angelique_9 (CY1), BeeGee_9 (CY5), Bradissa_9 (CY1), BritBrat_9 (CY2), Cashline_9 (CY6), Confidence_9 (CY1), EMSquaredA_9 (CY1), EnalisNailo_9 (CY1), Floral_9 (CY1), Jablanski_9 (CY3), Lilas_9 (CY1), LonelyBoi_9 (CY7), Marteena_9 (CY1), Pollux_9 (CY1), Posh_9 (CY4), Pytheas_9 (CY3), Wrigley_9 (CY4),

Start 10:

- Found in 1 of 119 (0.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TPA4_9 (singleton),

Start 11:

- Found in 12 of 119 (10.1%) of genes in pham
- Manual Annotations of this start: 4 of 110
- Called 41.7% of time when present
- Phage (with cluster) where this start called: LunaStella_8 (F4), Renaud18_8 (F4), TChen_8 (F4), ThetaBob_8 (F4), Toron_8 (F6),

Start 12:

- Found in 83 of 119 (69.7%) of genes in pham
- Manual Annotations of this start: 78 of 110
- Called 97.6% of time when present
- Phage (with cluster) where this start called: Alexphander_8 (F1), Aloeri_8 (F1), Aminay_12 (K7), Awesomesauce_8 (F1), Beakin_8 (F1), Beanstalk_8 (F1), BearBQ_9 (DN), BigPhil_8 (F1), Birdsong_9 (DN), Bobi_8 (F1), Boomer_8 (F1), Brookers_8 (F1), Brushbloom_8 (F1), BuzzLyseyear_8 (F1), Cerasum_8 (F1), ChickenDinner_8 (F1), Coco12_8 (F1), Cornucopia_8 (F1), Crater_9 (DN3), DaWorst_8 (F1), DirtMcgirt_8 (F1), DocMcStuffins_8 (F1), Doomslug_9 (F), DosHalletts_8 (F1), Drago_8 (F1), Emmaloid_8 (F1), Enby_8 (F1), Flathead_8 (F1), Frankie_8 (F1), Fryberger_40 (DP), Girafales_8 (F1), Guey18_45 (DP), Hegedechwinu_8 (F1), JalFarm20_8 (F1), Job42_8 (F1), Juice456_8 (F1), Keelan_38 (DP), Kimberlium_8 (F1), Kingsley_8 (F1), Kuwabara_9 (DN4), Leozinho_8 (F1), LilSpotty_8 (singleton), LittleShirley_8 (F1), LordVader_8 (F), Lorde_8 (F1), Lucia_8 (F1), Madiba_8 (F1), Marker_8 (F1), Misha28_8 (F1), MortyNRick_9 (DN), Mova_8 (F1), Mozy_8 (F1), MulchExplorer_8 (F1), Oksu_8 (F1), OwlsT2W_8 (F1), Peridot_9 (F1), Piper2020_8 (F1), Plumbus_8 (F1), Pollywog_8 (F1), Quico_8 (F1), Ramsey_8 (F1), Rialto_8 (F1), RockyHorror_8 (F1), Ronaldo_43 (DP), Sarma624_8 (F1), Seagreen_8 (F1), SimranZ1_8 (F1), Slim_8 (F1), Sparky_7 (AF), Spikelee_8 (F1), Squirty_8 (F3), Stap_8 (F1), Starceвич_8 (F1), Tchotchke_8 (F1), TootsiePop_8 (F1), Tootsieroll_8 (F1), Totinger_8 (F1), UncleRicky_8 (F1), Velveteen_8 (F1), Volt_42 (DP), Ziko_43 (DP),

Start 14:

- Found in 5 of 119 (4.2%) of genes in pham
- Manual Annotations of this start: 3 of 110
- Called 60.0% of time when present

- Phage (with cluster) where this start called: Y10_15 (K4), Y2_15 (K4), YasnayaPolyana_15 (K4),

Start 19:

- Found in 15 of 119 (12.6%) of genes in pham
- Manual Annotations of this start: 6 of 110
- Called 40.0% of time when present
- Phage (with cluster) where this start called: AlishaPH_14 (K1), Boiii_14 (K1), Deby_14 (K1), Durfee_14 (K1), JAWS_14 (K1), Tachez_14 (K1),

Start 22:

- Found in 2 of 119 (1.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pisa1_13 (K1), Pisa4_13 (K1),

Start 23:

- Found in 22 of 119 (18.5%) of genes in pham
- No Manual Annotations of this start.
- Called 9.1% of time when present
- Phage (with cluster) where this start called: DanSyl44_15 (K4), Qhanda_15 (K4),

Summary by clusters:

There are 21 clusters represented in this pham: DN, F1, singleton, F3, F4, CY3, F6, AF, F, CY1, DN4, K1, DN3, K7, CY4, K4, CY5, CY7, CY2, DP, CY6,

Info for manual annotations of cluster AF:

- Start number 8 was manually annotated 1 time for cluster AF.
- Start number 12 was manually annotated 1 time for cluster AF.

Info for manual annotations of cluster CY1:

- Start number 9 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 9 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 9 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 9 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 9 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 9 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 9 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster DN:

- Start number 12 was manually annotated 3 times for cluster DN.

Info for manual annotations of cluster DN3:

- Start number 7 was manually annotated 1 time for cluster DN3.
- Start number 12 was manually annotated 1 time for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 12 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DP:

- Start number 12 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster F:

- Start number 12 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:

- Start number 12 was manually annotated 62 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 12 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 11 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster K1:

- Start number 19 was manually annotated 6 times for cluster K1.

Info for manual annotations of cluster K4:

- Start number 14 was manually annotated 3 times for cluster K4.

Info for manual annotations of cluster K7:

- Start number 12 was manually annotated 1 time for cluster K7.

Gene Information:

Gene: Alexphander_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Alexphander_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: AlishaPH_14 Start: 9022, Stop: 9366, Start Num: 19

Candidate Starts for AlishaPH_14:

(Start: 9 @8980 has 17 MA's), (Start: 19 @9022 has 6 MA's), (27, 9097), (38, 9157), (41, 9169), (56, 9244), (77, 9343),

Gene: Aloeri_8 Start: 5931, Stop: 6302, Start Num: 12

Candidate Starts for Aloeri_8:

(Start: 12 @5931 has 78 MA's), (18, 5961), (33, 6072), (35, 6087), (36, 6090), (38, 6096), (39, 6099), (62, 6210), (73, 6261), (84, 6294),

Gene: Aminay_12 Start: 8892, Stop: 9263, Start Num: 12

Candidate Starts for Aminay_12:

(Start: 12 @8892 has 78 MA's), (15, 8907), (16, 8916), (32, 9024), (38, 9057), (39, 9060), (41, 9069), (42, 9072), (52, 9135), (65, 9195), (73, 9228), (76, 9240),

Gene: Angelique_9 Start: 7078, Stop: 7479, Start Num: 9

Candidate Starts for Angelique_9:

(2, 6850), (5, 6925), (6, 7054), (Start: 9 @7078 has 17 MA's), (23, 7159), (35, 7240), (41, 7261), (53, 7330), (56, 7336), (64, 7396), (81, 7462),

Gene: Apricot_9 Start: 6396, Stop: 6794, Start Num: 7

Candidate Starts for Apricot_9:

(Start: 7 @6396 has 1 MA's), (Start: 12 @6411 has 78 MA's), (26, 6501), (28, 6528), (35, 6561), (38, 6570), (39, 6573), (41, 6582), (44, 6597), (47, 6615), (58, 6663), (82, 6780),

Gene: Awesomesauce_8 Start: 5931, Stop: 6302, Start Num: 12

Candidate Starts for Awesomesauce_8:

(Start: 12 @5931 has 78 MA's), (18, 5961), (33, 6072), (35, 6087), (36, 6090), (38, 6096), (39, 6099), (62, 6210), (73, 6261), (84, 6294),

Gene: Beakin_8 Start: 5931, Stop: 6302, Start Num: 12

Candidate Starts for Beakin_8:

(Start: 12 @5931 has 78 MA's), (18, 5961), (33, 6072), (35, 6087), (36, 6090), (38, 6096), (39, 6099), (62, 6210), (73, 6261), (84, 6294),

Gene: Beanstalk_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Beanstalk_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: BearBQ_9 Start: 6411, Stop: 6794, Start Num: 12

Candidate Starts for BearBQ_9:

(Start: 7 @6396 has 1 MA's), (Start: 12 @6411 has 78 MA's), (26, 6501), (28, 6528), (35, 6561), (38, 6570), (39, 6573), (41, 6582), (44, 6597), (47, 6615), (58, 6663), (82, 6780),

Gene: BeeGee_9 Start: 7080, Stop: 7481, Start Num: 9

Candidate Starts for BeeGee_9:

(3, 6861), (4, 6888), (5, 6927), (Start: 8 @7071 has 1 MA's), (Start: 9 @7080 has 17 MA's), (23, 7161), (30, 7212), (35, 7242), (41, 7263), (42, 7266), (43, 7275), (46, 7296), (53, 7332), (56, 7338), (64, 7398), (81, 7464),

Gene: BigPhil_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for BigPhil_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: Birdsong_9 Start: 6411, Stop: 6794, Start Num: 12

Candidate Starts for Birdsong_9:

(Start: 7 @6396 has 1 MA's), (Start: 12 @6411 has 78 MA's), (26, 6501), (28, 6528), (35, 6561), (38, 6570), (39, 6573), (41, 6582), (44, 6597), (47, 6615), (58, 6663), (82, 6780),

Gene: Bobi_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Bobi_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Boiiii_14 Start: 9065, Stop: 9409, Start Num: 19

Candidate Starts for Boiiii_14:

(Start: 9 @9023 has 17 MA's), (Start: 19 @9065 has 6 MA's), (27, 9140), (38, 9200), (41, 9212), (56, 9287), (77, 9386),

Gene: Boomer_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Boomer_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Bradissa_9 Start: 7084, Stop: 7485, Start Num: 9

Candidate Starts for Bradissa_9:

(2, 6853), (3, 6865), (4, 6892), (5, 6931), (Start: 8 @7075 has 1 MA's), (Start: 9 @7084 has 17 MA's), (23, 7165), (30, 7216), (35, 7246), (41, 7267), (42, 7270), (43, 7279), (56, 7342), (64, 7402), (81, 7468),

Gene: BritBrat_9 Start: 7086, Stop: 7487, Start Num: 9

Candidate Starts for BritBrat_9:

(2, 6855), (3, 6867), (4, 6894), (5, 6933), (Start: 8 @7077 has 1 MA's), (Start: 9 @7086 has 17 MA's), (23, 7167), (30, 7218), (35, 7248), (41, 7269), (42, 7272), (43, 7281), (56, 7344), (64, 7404), (81, 7470),

Gene: Brookers_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Brookers_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: Brushbloom_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Brushbloom_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: BuzzLyseyear_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for BuzzLyseyear_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: Cashline_9 Start: 6933, Stop: 7334, Start Num: 9

Candidate Starts for Cashline_9:

(Start: 9 @6933 has 17 MA's), (23, 7014), (30, 7065), (32, 7071), (35, 7095), (41, 7116), (42, 7119), (43, 7128), (53, 7185), (56, 7191), (64, 7251), (81, 7317),

Gene: Cerasum_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Cerasum_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: ChickenDinner_8 Start: 5931, Stop: 6302, Start Num: 12

Candidate Starts for ChickenDinner_8:

(Start: 12 @5931 has 78 MA's), (18, 5961), (33, 6072), (35, 6087), (36, 6090), (38, 6096), (39, 6099), (62, 6210), (73, 6261), (84, 6294),

Gene: Coco12_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Coco12_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Confidence_9 Start: 7080, Stop: 7481, Start Num: 9

Candidate Starts for Confidence_9:

(2, 6849), (3, 6861), (4, 6888), (5, 6927), (Start: 8 @7071 has 1 MA's), (Start: 9 @7080 has 17 MA's), (23, 7161), (30, 7212), (35, 7242), (41, 7263), (42, 7266), (43, 7275), (53, 7332), (56, 7338), (64, 7398), (81, 7464), (83, 7470),

Gene: Cornucopia_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Cornucopia_8:

(Start: 12 @5928 has 78 MA's), (21, 5976), (29, 6048), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (50, 6159), (60, 6186), (62, 6207), (67, 6231), (73, 6258),

Gene: Crater_9 Start: 6411, Stop: 6794, Start Num: 12

Candidate Starts for Crater_9:

(Start: 7 @6396 has 1 MA's), (Start: 12 @6411 has 78 MA's), (26, 6501), (28, 6528), (35, 6561), (38, 6570), (39, 6573), (41, 6582), (44, 6597), (47, 6615), (58, 6663), (82, 6780),

Gene: DaWorst_8 Start: 5929, Stop: 6300, Start Num: 12

Candidate Starts for DaWorst_8:

(Start: 12 @5929 has 78 MA's), (18, 5959), (33, 6070), (35, 6085), (36, 6088), (38, 6094), (39, 6097), (62, 6208), (73, 6259), (84, 6292),

Gene: DanSyl44_15 Start: 10322, Stop: 10621, Start Num: 23

Candidate Starts for DanSyl44_15:

(Start: 11 @10247 has 4 MA's), (Start: 14 @10256 has 3 MA's), (16, 10274), (23, 10322), (32, 10382), (39, 10418), (41, 10427), (42, 10430), (43, 10439), (52, 10493), (65, 10553), (73, 10586), (74, 10589),

Gene: Deby_14 Start: 8994, Stop: 9338, Start Num: 19

Candidate Starts for Deby_14:

(Start: 9 @8952 has 17 MA's), (Start: 19 @8994 has 6 MA's), (27, 9069), (32, 9096), (38, 9129), (41, 9141), (56, 9216), (77, 9315),

Gene: DirtMcgirt_8 Start: 5930, Stop: 6301, Start Num: 12

Candidate Starts for DirtMcgirt_8:

(Start: 12 @5930 has 78 MA's), (18, 5960), (33, 6071), (35, 6086), (36, 6089), (38, 6095), (39, 6098), (62, 6209), (73, 6260), (84, 6293),

Gene: DocMcStuffins_8 Start: 5931, Stop: 6302, Start Num: 12

Candidate Starts for DocMcStuffins_8:

(Start: 12 @5931 has 78 MA's), (18, 5961), (33, 6072), (35, 6087), (36, 6090), (38, 6096), (39, 6099), (62, 6210), (73, 6261), (84, 6294),

Gene: Doomslug_9 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Doomslug_9:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: DosHalletts_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for DosHalletts_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Drago_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Drago_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Durfee_14 Start: 9063, Stop: 9407, Start Num: 19

Candidate Starts for Durfee_14:

(Start: 9 @9021 has 17 MA's), (Start: 19 @9063 has 6 MA's), (27, 9138), (38, 9198), (41, 9210), (56, 9285), (77, 9384),

Gene: EMSquaredA_9 Start: 7086, Stop: 7487, Start Num: 9

Candidate Starts for EMSquaredA_9:

(2, 6855), (3, 6867), (4, 6894), (5, 6933), (Start: 8 @7077 has 1 MA's), (Start: 9 @7086 has 17 MA's), (23, 7167), (30, 7218), (35, 7248), (41, 7269), (42, 7272), (43, 7281), (56, 7344), (64, 7404), (81, 7470),

Gene: Emmaloid_8 Start: 5929, Stop: 6300, Start Num: 12

Candidate Starts for Emmaloid_8:

(Start: 12 @5929 has 78 MA's), (18, 5959), (33, 6070), (35, 6085), (36, 6088), (38, 6094), (39, 6097), (62, 6208), (73, 6259), (84, 6292),

Gene: EnalisNailo_9 Start: 7086, Stop: 7487, Start Num: 9

Candidate Starts for EnalisNailo_9:

(2, 6855), (3, 6867), (4, 6894), (5, 6933), (Start: 8 @7077 has 1 MA's), (Start: 9 @7086 has 17 MA's), (23, 7167), (30, 7218), (35, 7248), (41, 7269), (42, 7272), (43, 7281), (56, 7344), (64, 7404), (81, 7470),

Gene: Enby_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Enby_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Farewell_7 Start: 6385, Stop: 6810, Start Num: 8

Candidate Starts for Farewell_7:

(Start: 8 @6385 has 1 MA's), (Start: 11 @6400 has 4 MA's), (Start: 12 @6403 has 78 MA's), (Start: 19 @6442 has 6 MA's), (20, 6445), (25, 6496), (34, 6565), (35, 6568), (39, 6580), (41, 6589), (45, 6625), (51, 6658), (61, 6700), (73, 6763), (74, 6766), (75, 6769),

Gene: Flathead_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Flathead_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: Floral_9 Start: 7086, Stop: 7487, Start Num: 9

Candidate Starts for Floral_9:

(2, 6855), (3, 6867), (4, 6894), (5, 6933), (Start: 8 @7077 has 1 MA's), (Start: 9 @7086 has 17 MA's), (23, 7167), (30, 7218), (35, 7248), (41, 7269), (42, 7272), (43, 7281), (56, 7344), (64, 7404), (81, 7470),

Gene: Frankie_8 Start: 6121, Stop: 6492, Start Num: 12

Candidate Starts for Frankie_8:

(Start: 12 @6121 has 78 MA's), (18, 6151), (33, 6262), (35, 6277), (36, 6280), (38, 6286), (62, 6400), (73, 6451), (84, 6484),

Gene: Fryberger_40 Start: 15313, Stop: 15726, Start Num: 12

Candidate Starts for Fryberger_40:

(Start: 12 @15313 has 78 MA's), (17, 15340), (Start: 19 @15346 has 6 MA's), (20, 15349), (24, 15397), (37, 15472), (40, 15484), (48, 15529), (54, 15562), (69, 15637),

Gene: Girafales_8 Start: 5923, Stop: 6294, Start Num: 12

Candidate Starts for Girafales_8:

(Start: 12 @5923 has 78 MA's), (18, 5953), (33, 6064), (35, 6079), (36, 6082), (38, 6088), (39, 6091), (62, 6202), (73, 6253), (84, 6286),

Gene: Guey18_45 Start: 16506, Stop: 16919, Start Num: 12

Candidate Starts for Guey18_45:

(Start: 12 @16506 has 78 MA's), (17, 16533), (Start: 19 @16539 has 6 MA's), (20, 16542), (24, 16590), (37, 16665), (40, 16677), (48, 16722), (54, 16755), (69, 16830),

Gene: Hegedechwinu_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Hegedechwinu_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: JAWS_14 Start: 9017, Stop: 9361, Start Num: 19

Candidate Starts for JAWS_14:

(Start: 9 @8975 has 17 MA's), (Start: 19 @9017 has 6 MA's), (27, 9092), (38, 9152), (41, 9164), (56, 9239), (77, 9338),

Gene: Jablanski_9 Start: 6933, Stop: 7334, Start Num: 9

Candidate Starts for Jablanski_9:

(2, 6702), (3, 6714), (4, 6741), (5, 6780), (Start: 8 @6924 has 1 MA's), (Start: 9 @6933 has 17 MA's), (23, 7014), (30, 7065), (35, 7095), (41, 7116), (42, 7119), (53, 7185), (56, 7191), (64, 7251), (81, 7317),

Gene: JalFarm20_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for JalFarm20_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Job42_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Job42_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Juice456_8 Start: 5929, Stop: 6300, Start Num: 12

Candidate Starts for Juice456_8:

(Start: 12 @5929 has 78 MA's), (18, 5959), (33, 6070), (35, 6085), (36, 6088), (38, 6094), (39, 6097), (62, 6208), (73, 6259), (84, 6292),

Gene: Keelan_38 Start: 15288, Stop: 15701, Start Num: 12

Candidate Starts for Keelan_38:

(Start: 12 @15288 has 78 MA's), (17, 15315), (20, 15324), (24, 15372), (37, 15447), (40, 15459), (54, 15537), (69, 15612), (78, 15648), (80, 15654),

Gene: Kimberlium_8 Start: 5929, Stop: 6300, Start Num: 12

Candidate Starts for Kimberlium_8:

(Start: 12 @5929 has 78 MA's), (18, 5959), (33, 6070), (35, 6085), (36, 6088), (38, 6094), (39, 6097), (62, 6208), (73, 6259), (84, 6292),

Gene: Kingsley_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Kingsley_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: Kuwabara_9 Start: 6411, Stop: 6794, Start Num: 12

Candidate Starts for Kuwabara_9:

(Start: 7 @6396 has 1 MA's), (Start: 12 @6411 has 78 MA's), (26, 6501), (28, 6528), (35, 6561), (38, 6570), (39, 6573), (41, 6582), (44, 6597), (58, 6663), (82, 6780),

Gene: Leozinho_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Leozinho_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: LilSpotty_8 Start: 6103, Stop: 6471, Start Num: 12

Candidate Starts for LilSpotty_8:

(Start: 12 @6103 has 78 MA's), (13, 6106), (16, 6127), (24, 6187), (31, 6229), (35, 6253), (38, 6262), (41, 6274), (49, 6316), (55, 6331), (59, 6352), (64, 6391), (71, 6418), (79, 6451),

Gene: Lilas_9 Start: 7086, Stop: 7487, Start Num: 9

Candidate Starts for Lilas_9:

(2, 6855), (3, 6867), (4, 6894), (5, 6933), (Start: 8 @7077 has 1 MA's), (Start: 9 @7086 has 17 MA's), (23, 7167), (30, 7218), (35, 7248), (41, 7269), (42, 7272), (43, 7281), (56, 7344), (64, 7404), (81, 7470),

Gene: LittleShirley_8 Start: 5929, Stop: 6300, Start Num: 12

Candidate Starts for LittleShirley_8:

(Start: 12 @5929 has 78 MA's), (18, 5959), (33, 6070), (35, 6085), (36, 6088), (38, 6094), (39, 6097), (62, 6208), (73, 6259), (84, 6292),

Gene: LonelyBoi_9 Start: 6933, Stop: 7334, Start Num: 9

Candidate Starts for LonelyBoi_9:

(2, 6702), (3, 6714), (5, 6780), (Start: 8 @6924 has 1 MA's), (Start: 9 @6933 has 17 MA's), (23, 7014), (30, 7065), (35, 7095), (41, 7116), (42, 7119), (53, 7185), (56, 7191), (64, 7251), (81, 7317),

Gene: LordVader_8 Start: 5923, Stop: 6294, Start Num: 12

Candidate Starts for LordVader_8:

(Start: 12 @5923 has 78 MA's), (18, 5953), (33, 6064), (35, 6079), (36, 6082), (38, 6088), (39, 6091), (62, 6202), (73, 6253), (84, 6286),

Gene: Lorde_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Lorde_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Lucia_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Lucia_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: LunaStella_8 Start: 6532, Stop: 6906, Start Num: 11

Candidate Starts for LunaStella_8:

(Start: 11 @6532 has 4 MA's), (16, 6559), (32, 6664), (35, 6688), (38, 6697), (44, 6724), (52, 6760), (64, 6829), (66, 6835), (68, 6844), (72, 6859),

Gene: Madiba_8 Start: 5926, Stop: 6297, Start Num: 12

Candidate Starts for Madiba_8:

(Start: 12 @5926 has 78 MA's), (18, 5956), (33, 6067), (35, 6082), (36, 6085), (38, 6091), (39, 6094), (62, 6205), (73, 6256), (84, 6289),

Gene: Marker_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Marker_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: Marteena_9 Start: 7086, Stop: 7487, Start Num: 9

Candidate Starts for Marteena_9:

(2, 6855), (3, 6867), (4, 6894), (5, 6933), (Start: 8 @7077 has 1 MA's), (Start: 9 @7086 has 17 MA's), (23, 7167), (30, 7218), (35, 7248), (41, 7269), (42, 7272), (43, 7281), (56, 7344), (64, 7404), (81, 7470),

Gene: Misha28_8 Start: 5931, Stop: 6302, Start Num: 12

Candidate Starts for Misha28_8:

(Start: 12 @5931 has 78 MA's), (18, 5961), (33, 6072), (35, 6087), (36, 6090), (38, 6096), (39, 6099), (62, 6210), (73, 6261), (84, 6294),

Gene: MortyNRick_9 Start: 6411, Stop: 6794, Start Num: 12

Candidate Starts for MortyNRick_9:

(Start: 7 @6396 has 1 MA's), (Start: 12 @6411 has 78 MA's), (26, 6501), (28, 6528), (35, 6561), (38, 6570), (39, 6573), (41, 6582), (44, 6597), (47, 6615), (58, 6663), (82, 6780),

Gene: Mova_8 Start: 5930, Stop: 6301, Start Num: 12

Candidate Starts for Mova_8:

(Start: 12 @5930 has 78 MA's), (18, 5960), (33, 6071), (35, 6086), (36, 6089), (38, 6095), (62, 6209), (73, 6260), (84, 6293),

Gene: Mozy_8 Start: 5926, Stop: 6297, Start Num: 12

Candidate Starts for Mozy_8:

(Start: 12 @5926 has 78 MA's), (21, 5974), (29, 6046), (35, 6082), (36, 6085), (38, 6091), (39, 6094), (50, 6157), (60, 6184), (62, 6205), (67, 6229), (73, 6256),

Gene: MulchExplorer_8 Start: 5929, Stop: 6300, Start Num: 12

Candidate Starts for MulchExplorer_8:

(Start: 12 @5929 has 78 MA's), (18, 5959), (33, 6070), (35, 6085), (36, 6088), (38, 6094), (39, 6097), (62, 6208), (73, 6259), (84, 6292),

Gene: Oksu_8 Start: 5929, Stop: 6300, Start Num: 12

Candidate Starts for Oksu_8:

(Start: 12 @5929 has 78 MA's), (18, 5959), (33, 6070), (35, 6085), (36, 6088), (38, 6094), (39, 6097), (62, 6208), (73, 6259), (84, 6292),

Gene: OwlsT2W_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for OwlsT2W_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Peridot_9 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Peridot_9:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Piper2020_8 Start: 5930, Stop: 6301, Start Num: 12

Candidate Starts for Piper2020_8:

(Start: 12 @5930 has 78 MA's), (18, 5960), (33, 6071), (35, 6086), (36, 6089), (38, 6095), (39, 6098), (62, 6209), (73, 6260), (84, 6293),

Gene: Pisa1_13 Start: 8807, Stop: 9115, Start Num: 22

Candidate Starts for Pisa1_13:

(Start: 9 @8735 has 17 MA's), (Start: 19 @8777 has 6 MA's), (22, 8807), (27, 8846), (38, 8906), (56, 8993), (77, 9092),

Gene: Pisa4_13 Start: 8807, Stop: 9115, Start Num: 22

Candidate Starts for Pisa4_13:

(Start: 9 @8735 has 17 MA's), (Start: 19 @8777 has 6 MA's), (22, 8807), (27, 8846), (38, 8906), (56, 8993), (77, 9092),

Gene: Plumbus_8 Start: 5929, Stop: 6300, Start Num: 12

Candidate Starts for Plumbus_8:

(Start: 12 @5929 has 78 MA's), (18, 5959), (33, 6070), (35, 6085), (36, 6088), (38, 6094), (39, 6097), (62, 6208), (73, 6259), (84, 6292),

Gene: Pollux_9 Start: 7086, Stop: 7487, Start Num: 9

Candidate Starts for Pollux_9:

(2, 6855), (3, 6867), (4, 6894), (5, 6933), (Start: 8 @7077 has 1 MA's), (Start: 9 @7086 has 17 MA's), (23, 7167), (30, 7218), (35, 7248), (41, 7269), (42, 7272), (43, 7281), (56, 7344), (64, 7404), (81, 7470),

Gene: Pollywog_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Pollywog_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Posh_9 Start: 7080, Stop: 7481, Start Num: 9

Candidate Starts for Posh_9:

(1, 6768), (2, 6849), (3, 6861), (4, 6888), (5, 6927), (Start: 8 @7071 has 1 MA's), (Start: 9 @7080 has 17 MA's), (23, 7161), (30, 7212), (35, 7242), (41, 7263), (42, 7266), (53, 7332), (56, 7338), (64, 7398), (81, 7464),

Gene: Pytheas_9 Start: 6933, Stop: 7334, Start Num: 9

Candidate Starts for Pytheas_9:

(2, 6702), (3, 6714), (4, 6741), (5, 6780), (Start: 8 @6924 has 1 MA's), (Start: 9 @6933 has 17 MA's), (23, 7014), (30, 7065), (35, 7095), (41, 7116), (42, 7119), (53, 7185), (56, 7191), (64, 7251), (81, 7317),

Gene: Qhanda_15 Start: 10328, Stop: 10627, Start Num: 23

Candidate Starts for Qhanda_15:

(Start: 11 @10253 has 4 MA's), (Start: 14 @10262 has 3 MA's), (16, 10280), (23, 10328), (32, 10388), (39, 10424), (41, 10433), (42, 10436), (43, 10445), (52, 10499), (65, 10559), (73, 10592), (74, 10595),

Gene: Quico_8 Start: 5923, Stop: 6294, Start Num: 12

Candidate Starts for Quico_8:

(Start: 12 @5923 has 78 MA's), (18, 5953), (33, 6064), (35, 6079), (36, 6082), (38, 6088), (39, 6091), (62, 6202), (73, 6253), (84, 6286),

Gene: Ramsey_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Ramsey_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (67, 6230), (73, 6257), (84, 6290),

Gene: Renaud18_8 Start: 6412, Stop: 6783, Start Num: 11

Candidate Starts for Renaud18_8:

(Start: 11 @6412 has 4 MA's), (16, 6436), (32, 6541), (35, 6565), (38, 6574), (44, 6601), (52, 6637), (64, 6706), (66, 6712), (68, 6721), (72, 6736),

Gene: Rialto_8 Start: 5929, Stop: 6300, Start Num: 12

Candidate Starts for Rialto_8:

(Start: 12 @5929 has 78 MA's), (18, 5959), (33, 6070), (35, 6085), (36, 6088), (38, 6094), (39, 6097), (62, 6208), (73, 6259), (84, 6292),

Gene: RockyHorror_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for RockyHorror_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: Ronaldo_43 Start: 16243, Stop: 16656, Start Num: 12

Candidate Starts for Ronaldo_43:

(Start: 12 @16243 has 78 MA's), (17, 16270), (Start: 19 @16276 has 6 MA's), (20, 16279), (24, 16327), (37, 16402), (40, 16414), (48, 16459), (54, 16492), (69, 16567),

Gene: Sarma624_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Sarma624_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: Seagreen_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Seagreen_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (62, 6207), (73, 6258), (84, 6291),

Gene: SimranZ1_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for SimranZ1_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Slim_8 Start: 5929, Stop: 6300, Start Num: 12

Candidate Starts for Slim_8:

(Start: 12 @5929 has 78 MA's), (18, 5959), (33, 6070), (35, 6085), (36, 6088), (38, 6094), (39, 6097), (62, 6208), (73, 6259), (84, 6292),

Gene: Sparky_7 Start: 6404, Stop: 6811, Start Num: 12

Candidate Starts for Sparky_7:

(Start: 11 @6401 has 4 MA's), (Start: 12 @6404 has 78 MA's), (Start: 19 @6443 has 6 MA's), (20, 6446), (25, 6497), (34, 6566), (35, 6569), (39, 6581), (41, 6590), (45, 6626), (51, 6659), (61, 6701), (73, 6764), (74, 6767), (75, 6770),

Gene: Spikelee_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Spikelee_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Squirty_8 Start: 5926, Stop: 6297, Start Num: 12

Candidate Starts for Squirty_8:

(Start: 12 @5926 has 78 MA's), (18, 5956), (33, 6067), (35, 6082), (36, 6085), (38, 6091), (39, 6094), (62, 6205), (73, 6256), (84, 6289),

Gene: Stap_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Stap_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Starcevich_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Starcevich_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: TChen_8 Start: 6532, Stop: 6906, Start Num: 11

Candidate Starts for TChen_8:

(Start: 11 @6532 has 4 MA's), (16, 6559), (32, 6664), (35, 6688), (38, 6697), (44, 6724), (52, 6760), (64, 6829), (66, 6835), (68, 6844), (72, 6859),

Gene: TPA4_9 Start: 7567, Stop: 7953, Start Num: 10

Candidate Starts for TPA4_9:

(10, 7567), (39, 7729), (41, 7738), (57, 7819), (63, 7858), (66, 7879), (70, 7897),

Gene: Tachez_14 Start: 8986, Stop: 9330, Start Num: 19

Candidate Starts for Tachez_14:

(Start: 9 @8944 has 17 MA's), (Start: 19 @8986 has 6 MA's), (27, 9061), (32, 9088), (38, 9121), (41, 9133), (56, 9208), (77, 9307),

Gene: Tchotchke_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Tchotchke_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: ThetaBob_8 Start: 6412, Stop: 6786, Start Num: 11

Candidate Starts for ThetaBob_8:

(Start: 11 @6412 has 4 MA's), (16, 6439), (32, 6544), (35, 6568), (38, 6577), (44, 6604), (52, 6640), (64, 6709), (66, 6715), (68, 6724), (72, 6739),

Gene: TootsiePop_8 Start: 5931, Stop: 6302, Start Num: 12

Candidate Starts for TootsiePop_8:

(Start: 12 @5931 has 78 MA's), (18, 5961), (33, 6072), (35, 6087), (36, 6090), (38, 6096), (39, 6099), (62, 6210), (73, 6261), (84, 6294),

Gene: Tootsieroll_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for Tootsieroll_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Toron_8 Start: 6532, Stop: 6906, Start Num: 11

Candidate Starts for Toron_8:

(Start: 11 @6532 has 4 MA's), (16, 6559), (32, 6664), (35, 6688), (38, 6697), (44, 6724), (52, 6760), (64, 6829), (66, 6835), (68, 6844),

Gene: Totinger_8 Start: 5929, Stop: 6300, Start Num: 12

Candidate Starts for Totinger_8:

(Start: 12 @5929 has 78 MA's), (18, 5959), (33, 6070), (35, 6085), (36, 6088), (38, 6094), (39, 6097), (62, 6208), (73, 6259), (84, 6292),

Gene: UncleRicky_8 Start: 5928, Stop: 6299, Start Num: 12

Candidate Starts for UncleRicky_8:

(Start: 12 @5928 has 78 MA's), (18, 5958), (33, 6069), (35, 6084), (36, 6087), (38, 6093), (39, 6096), (62, 6207), (73, 6258), (84, 6291),

Gene: Velveteen_8 Start: 5927, Stop: 6298, Start Num: 12

Candidate Starts for Velveteen_8:

(Start: 12 @5927 has 78 MA's), (18, 5957), (33, 6068), (35, 6083), (36, 6086), (38, 6092), (39, 6095), (62, 6206), (73, 6257), (84, 6290),

Gene: Volt_42 Start: 16243, Stop: 16656, Start Num: 12

Candidate Starts for Volt_42:

(Start: 12 @16243 has 78 MA's), (17, 16270), (Start: 19 @16276 has 6 MA's), (20, 16279), (24, 16327), (37, 16402), (40, 16414), (48, 16459), (54, 16492), (69, 16567),

Gene: Wrigley_9 Start: 6930, Stop: 7331, Start Num: 9

Candidate Starts for Wrigley_9:

(2, 6699), (3, 6711), (5, 6777), (Start: 8 @6921 has 1 MA's), (Start: 9 @6930 has 17 MA's), (23, 7011), (30, 7062), (35, 7092), (41, 7113), (42, 7116), (56, 7188), (64, 7248), (81, 7314),

Gene: Y10_15 Start: 10242, Stop: 10607, Start Num: 14

Candidate Starts for Y10_15:

(Start: 11 @10233 has 4 MA's), (Start: 14 @10242 has 3 MA's), (16, 10260), (23, 10308), (32, 10368), (39, 10404), (41, 10413), (42, 10416), (43, 10425), (52, 10479), (65, 10539), (73, 10572), (74, 10575),

Gene: Y2_15 Start: 10242, Stop: 10607, Start Num: 14

Candidate Starts for Y2_15:

(Start: 11 @10233 has 4 MA's), (Start: 14 @10242 has 3 MA's), (16, 10260), (23, 10308), (32, 10368), (39, 10404), (41, 10413), (42, 10416), (43, 10425), (52, 10479), (65, 10539), (73, 10572), (74, 10575),

Gene: YasnayaPolyana_15 Start: 10243, Stop: 10608, Start Num: 14

Candidate Starts for YasnayaPolyana_15:

(Start: 11 @10234 has 4 MA's), (Start: 14 @10243 has 3 MA's), (16, 10261), (23, 10309), (32, 10369), (39, 10405), (41, 10414), (42, 10417), (43, 10426), (52, 10480), (65, 10540), (73, 10573), (74, 10576),

Gene: Ziko_43 Start: 16183, Stop: 16596, Start Num: 12

Candidate Starts for Ziko_43:

(Start: 12 @16183 has 78 MA's), (17, 16210), (Start: 19 @16216 has 6 MA's), (20, 16219), (24, 16267),
(37, 16342), (40, 16354), (48, 16399), (54, 16432), (69, 16507),