

## **SUPPLEMENTARY INFORMATION FOR:**

### **The effect of food intake on gene expression in human peripheral blood**

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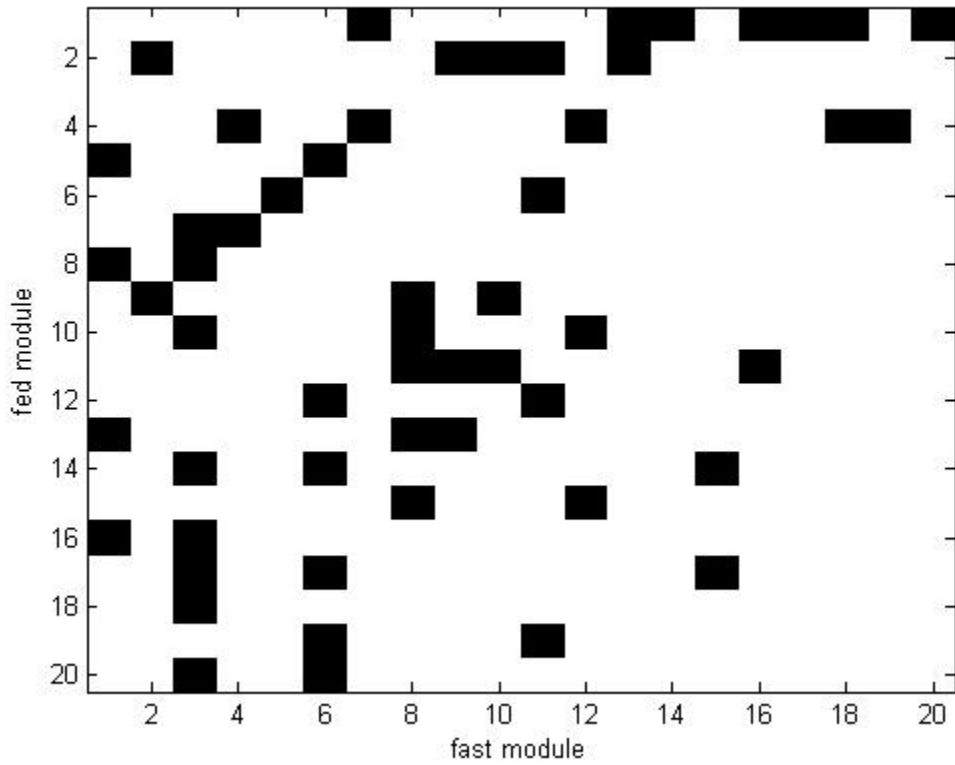
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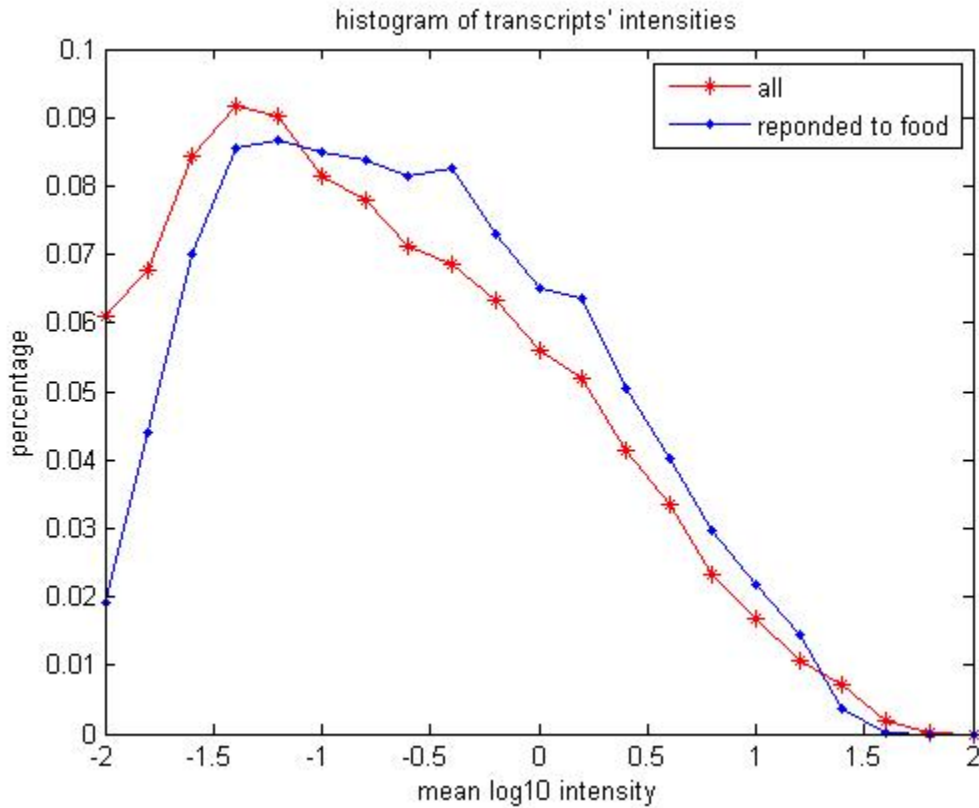
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## Supplementary Figures

**Supplementary Figure 1** Overlaps of modules between fast and fed coexpression networks. A black cell means two modules in fast and fed networks significantly overlap (Fisher Exact Test p-value <0.01 after multiple testing correction).



**Supplementary Figure 2** Distributions of probe intensities for all transcripts on the chip and transcripts responding to food intake.



## Supplementary Tables

**Supplementary Table 1** Clinical information collected for each participant.

**Supplementary Table 2** Gene expression traits with individual variation, temporal variation or responding to feeding based on two-way ANOVA or three-way ANOVA and mixed effect model.

**Supplementary Table 3** Enriched GO Biological processes for the 11,003 genes identified over both arms and time periods of the study population with a significant time and individual component. All p-values reported are after multiple testing correction.

**Supplementary Table 4** Expression traits used in the elasticNet classifier for classifying fast/fed states.

**Supplementary Table 5** Enriched correlated clinical traits in the Iceland Family Cohort study for genes (a) differentially expressed (DE) or (b) differentially connected (DC) between fast and fed states at each time point. All p-value reported are after multiple testing correction.

**Supplementary Table 6** Enriched GO Biological processes for the genes in coexpression network modules at fast time point 3. All p-values reported are after multiple testing correction.

**Supplementary Table 7** Enriched GO Biological processes for the genes in coexpression network modules at fed time point 3. All p-values reported are after multiple testing correction.

**Supplementary Table 8** Enriched correlated clinical traits for the genes in coexpression network modules at fast time point 3. All p-values reported are after multiple testing correction.

**Supplementary Table 9** Enriched correlated clinical traits for the genes in coexpression network modules at fed time point 3. All p-values reported are after multiple testing correction.



**Supplementary Table 1**

<b>trait name</b>	<b>mean</b>	<b>std</b>	<b>min</b>	<b>max</b>
Leptin	7.58	6.75	1	32.2
Sex	1	0	1	1
Total Cholesterol	5.51	0.98	3.1	7.8
HDL Cholesterol	1.33	0.3	0.6	2.03
LDL Cholesterol	3.69	0.87	1.38	5.77
Triglycerides	1.34	1.21	0.42	9.98
Glucose	4.89	0.41	3.6	6.1
Creatinine	98.94	7.04	82	115
C-reactive protein (CRP)	1.83	3	0.2	17
Alanine aminotransferase (ALT)	36.99	22.7	14	147
Insulin	7.65	4.63	0.6	23.87
White Blood Cell count (WBC)	6.33	1.51	4.2	15.4
Neutrophils	2.94	1.3	1.5	12.4
Lymphocytes	2.54	0.62	1.5	4.3
Monocytes	0.62	0.17	0.4	1.2
Eosinophils	0.22	0.11	0.1	0.6
Basophils	0.01	0.02	0	0.1
Red Blood Cell count	4.91	0.3	4.22	5.56
Hemoglobin	148.93	8.18	134	165
Hematocrit	0.44	0.02	0.39	0.49
Thrombocytes (Platelets)	248.43	47.95	157	376
Mean Corpuscular Hemoglobin (MCH)	30.38	1.23	27.4	32.9
Mean Corpuscular Volume (MCV)	90.07	3.5	82.4	97.1
Mean Corpuscular Hemoglobin Concentratio	337.14	4.75	326	350
Sleep Time	6.4	0.83	4	8
Height	1.83	0.06	1.68	1.97
Weight	85.97	11.39	66.2	113.6
BMI	25.55	2.65	21.5	31.7
FAT (PBF)	20.9	4.59	11.9	33.7
Tissue Electrical Resistance	494.63	45.81	427	614
Basic Metabolic Energy Demand (BMED)	8011.73	715.8	6495	9714
FAT_W (BFM)	18.37	6.16	8	32.3
Lean Body Weight	67.27	6.11	52.4	84.6
Water Weight	49.73	5.72	38.4	81.7
Max Hip Circumference	107.1	9.26	90	130
Max Waist Circumference	84.03	9.87	60	112
Systolic Blood Pressure	103.49	14.85	78	134
Diastolic Blood Pressure	89.34	16.37	58	116
Ghrelin	80.87	53.96	20.2	249.1
Age	38.88	5.52	29	50

**Supplementary Table 2** ANOVA and mixed effect model results. Significant results (p-value < 0.01) are indicated for each of six different tests.

Transcript_ID	Two-way ANOVA, Individual Dimension	Two-way ANOVA, Time Dimension	Three-way ANOVA, Individual Dimension	Three-way ANOVA, Time Dimension	Three-way ANOVA, Fast/Fed State Dimension	mixed effect model to detect differences in fast/fed states
AA470152_RC	1	1	1	1	0	0
AA555029_RC	1	1	1	1	0	1
AA598803_RC	1	0	1	0	1	1
AA644150_RC	0	0	0	0	0	1
AA766897_RC	1	1	1	1	1	1
AA993127_RC	1	1	1	0	0	1
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AB002316	1	0	0	0	0	1
AB002321	1	0	1	0	0	0
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Contig12278_RC	1	0	1	0	0	1
Contig12294_RC	1	0	1	0	1	1
Contig12355_RC	1	0	1	0	1	1
Contig12356_RC	1	1	1	0	0	0
Contig12369_RC	1	0	1	0	0	1
Contig12402_RC	1	1	1	1	0	1
Contig1240_RC	1	1	1	1	0	1
Contig12419_RC	1	0	1	0	0	1

Contig12432_RC	1	0	1	0	0	0
Contig12508_RC	1	1	1	1	0	1
Contig12525_RC	1	0	0	0	0	0
Contig12539_RC	1	0	1	1	0	0
Contig1254_RC	1	1	1	0	1	1
Contig125_RC	1	1	1	1	0	1
Contig12647_RC	1	1	1	1	0	1
Contig12648_RC	1	1	1	1	1	1
Contig12727_RC	1	0	1	0	0	1
Contig12742_RC	1	1	1	0	0	1
Contig12752_RC	1	0	0	0	0	1
Contig12755_RC	1	0	1	0	0	1
Contig12768_RC	1	1	0	1	0	1
Contig1277	1	1	1	1	0	1
Contig12780_RC	1	0	1	1	1	1
Contig12803_RC	1	0	1	0	1	1
Contig12806_RC	1	1	1	0	1	1
Contig12814_RC	1	0	1	0	0	1
Contig12820_RC	1	0	1	0	0	0
Contig12864_RC	1	1	1	0	1	1
Contig1289_RC	1	1	1	1	1	0
Contig13150_RC	1	0	1	0	0	0
Contig1315_RC	1	1	1	1	0	1
Contig13173_RC	1	0	1	0	0	1
Contig1320_RC	1	0	1	1	1	1
Contig13231	1	1	1	1	0	1
Contig13282_RC	1	0	1	0	0	1
Contig13300_RC	1	0	1	0	0	0
Contig13458_RC	1	0	1	0	0	0
Contig13475_RC	1	0	1	0	0	0
Contig13480_RC	1	0	1	0	0	1
Contig13488_RC	1	1	1	1	1	1
Contig1351_RC	1	0	1	0	1	1
Contig13551_RC	1	1	1	1	0	0
Contig13568_RC	0	0	1	0	0	0
Contig13609_RC	1	0	1	0	0	0
Contig13642_RC	1	0	1	0	0	0
Contig13643_RC	1	0	1	1	0	1
Contig13706_RC	1	1	1	1	1	1
Contig13745_RC	1	0	1	0	0	0
Contig13766_RC	1	0	0	0	0	0
Contig1376_RC	1	0	1	1	0	0
Contig13813_RC	1	0	1	0	0	0
Contig13815_RC	1	0	1	1	0	0
Contig13822_RC	1	0	1	1	1	1
Contig13856_RC	1	0	1	0	0	0
Contig13862_RC	1	1	1	1	1	1
Contig13874_RC	1	0	1	1	0	0
Contig1389_RC	1	1	1	1	1	0
Contig14015_RC	1	0	1	0	0	0
Contig14068_RC	1	1	1	1	1	0
Contig14115_RC	1	1	1	1	0	1

Contig14158	1	0	1	0	0	1
Contig14166_RC	0	0	1	1	0	0
Contig14280_RC	1	1	1	1	0	1
Contig14335_RC	1	0	1	0	0	0
Contig14375_RC	1	0	1	0	0	1
Contig14385_RC	0	0	0	0	0	1
Contig14390_RC	1	0	1	0	0	1
Contig14398_RC	1	1	1	1	1	1
Contig14421_RC	1	0	1	0	0	0
Contig14433_RC	1	1	1	1	0	1
Contig14462_RC	1	1	1	1	0	0
Contig14468_RC	1	0	1	0	0	1
Contig14544_RC	1	1	1	1	0	0
Contig14555_RC	0	0	1	1	0	0
Contig14626_RC	1	0	1	0	0	1
Contig14632_RC	0	0	1	0	0	0
Contig14671_RC	1	0	1	0	1	0
Contig14710_RC	1	0	1	1	0	0
Contig14761_RC	1	0	0	0	0	1
Contig14796_RC	1	1	1	1	0	0
Contig14797_RC	1	1	1	1	0	1
Contig14810_RC	1	0	1	1	1	0
Contig14831_RC	1	1	1	1	0	1
Contig14945_RC	1	0	1	0	0	0
Contig14985_RC	1	0	1	0	1	1
Contig1501_RC	1	1	1	1	0	0
Contig15026_RC	1	0	0	0	0	0
Contig15031_RC	1	0	1	1	0	1
Contig15114_RC	1	0	1	0	0	0
Contig15150_RC	1	0	0	0	0	0
Contig15163_RC	1	0	1	0	0	0
Contig15167_RC	0	0	0	0	0	1
Contig15169_RC	1	1	1	0	1	1
Contig15190_RC	1	0	1	0	1	1
Contig151_RC	1	0	1	1	0	1
Contig15216_RC	1	0	1	0	0	1
Contig15268_RC	1	1	1	1	1	1
Contig15283_RC	1	0	1	0	0	0
Contig15329_RC	0	0	0	0	0	1
Contig15337_RC	1	0	1	0	0	1
Contig15381_RC	1	0	1	1	0	1
Contig15441_RC	1	0	0	0	0	1
Contig15452_RC	1	1	1	1	0	1
Contig15463_RC	1	1	1	1	0	0
Contig15466_RC	1	0	1	1	0	0
Contig15529_RC	1	0	1	0	0	0
Contig15550_RC	1	1	1	1	0	0
Contig15566_RC	1	0	1	1	1	1
Contig15577_RC	1	0	1	0	0	0
Contig15607_RC	1	1	0	0	0	1
Contig15612_RC	1	0	1	0	0	1
Contig15635_RC	1	1	1	1	1	1

Contig15639_RC	1	0	1	0	0	0
Contig15644_RC	1	1	1	1	0	0
Contig15693_RC	1	0	1	1	1	1
Contig15746_RC	1	0	0	0	0	1
Contig15795_RC	1	0	0	0	0	1
Contig15833_RC	0	0	1	0	0	0
Contig15857_RC	0	0	0	0	0	1
Contig15898_RC	1	1	1	1	0	1
Contig15935_RC	1	0	1	0	0	0
Contig15943_RC	1	0	1	1	0	0
Contig15972_RC	1	1	1	1	0	0
Contig16043_RC	1	1	1	1	0	1
Contig16161_RC	0	0	0	0	0	1
Contig1617	1	0	1	0	0	0
Contig16192_RC	1	0	1	1	1	1
Contig16195_RC	1	0	0	0	0	0
Contig16208_RC	1	1	1	1	0	0
Contig16217_RC	1	0	1	1	0	0
Contig16239_RC	0	1	1	0	0	0
Contig16253_RC	1	0	1	0	1	1
Contig16261_RC	1	0	0	0	0	0
Contig16262_RC	1	0	1	1	1	1
Contig16266_RC	1	0	1	0	0	1
Contig16326_RC	1	0	1	1	0	1
Contig16329_RC	1	0	1	1	1	1
Contig16330_RC	0	0	0	1	0	0
Contig16346_RC	1	0	0	1	0	0
Contig16366_RC	1	0	0	0	0	0
Contig16422_RC	0	0	0	0	0	1
Contig16453_RC	1	0	1	0	0	0
Contig16476_RC	1	0	1	0	0	0
Contig16481_RC	1	0	1	0	0	0
Contig16494_RC	0	1	0	0	0	1
Contig16530_RC	1	0	1	0	0	0
Contig16540_RC	0	0	1	0	0	0
Contig16596_RC	1	0	1	0	0	0
Contig16654_RC	1	0	1	1	1	0
Contig1667_RC	1	1	1	1	0	1
Contig16694_RC	1	0	1	0	0	1
Contig16712_RC	1	1	1	1	0	0
Contig16740_RC	1	0	1	0	0	0
Contig16750_RC	1	0	1	0	1	1
Contig16770_RC	1	0	1	0	0	1
Contig16781_RC	1	0	1	1	1	1
Contig16786_RC	1	1	1	1	0	1
Contig1682_RC	1	1	1	1	0	1
Contig16836_RC	0	0	0	0	0	1
Contig16881_RC	0	0	0	0	0	1
Contig16892_RC	1	0	0	0	0	0
Contig16895_RC	1	0	1	1	1	1
Contig16902_RC	1	1	1	1	1	1
Contig17008_RC	0	0	0	0	0	1

Contig17027_RC	1	0	0	0	0	1
Contig17030_RC	1	1	1	0	0	1
Contig17109_RC	1	1	1	1	1	1
Contig17119_RC	1	0	1	0	0	1
Contig17195_RC	1	0	1	0	1	1
Contig17288_RC	1	0	1	0	0	1
Contig17327_RC	1	1	1	1	0	0
Contig17333_RC	0	0	1	0	0	0
Contig17350_RC	1	0	1	0	0	1
Contig17475_RC	1	1	1	1	1	1
Contig17490_RC	1	0	1	0	1	1
Contig17567_RC	1	1	1	1	0	1
Contig17607_RC	1	0	1	1	0	0
Contig176_RC	1	1	1	1	0	1
Contig1778_RC	1	0	1	1	1	0
Contig178_RC	1	1	1	1	0	1
Contig1815_RC	1	0	1	1	1	1
Contig18246_RC	1	0	1	1	0	1
Contig1828_RC	0	0	0	0	1	1
Contig1829	1	1	1	1	1	0
Contig18326_RC	1	1	1	1	0	1
Contig18373_RC	1	1	0	0	0	1
Contig18380_RC	1	0	1	1	0	1
Contig18456_RC	1	0	1	1	0	1
Contig18476_RC	1	0	1	0	1	1
Contig18481_RC	1	1	1	1	0	1
Contig18493_RC	1	0	1	0	0	1
Contig18494_RC	1	0	1	0	1	1
Contig18780_RC	1	0	1	1	1	1
Contig18826_RC	1	0	1	0	1	0
Contig18911_RC	1	1	1	1	0	0
Contig18967_RC	1	1	1	1	1	1
Contig19019_RC	0	0	1	0	0	1
Contig19023_RC	1	1	1	1	0	1
Contig19194_RC	1	1	1	0	1	1
Contig19205_RC	1	1	1	1	1	1
Contig19210_RC	1	0	1	0	0	0
Contig19213_RC	1	0	1	0	0	1
Contig19216_RC	1	0	0	0	0	1
Contig19224_RC	1	0	1	1	1	1
Contig1924_RC	1	0	1	1	1	0
Contig19324_RC	1	0	1	0	1	1
Contig19340_RC	1	0	1	1	0	0
Contig19384_RC	1	0	1	0	0	1
Contig19431_RC	1	0	1	1	1	1
Contig19440_RC	1	0	1	0	0	1
Contig19451_RC	1	0	1	0	0	0
Contig19530_RC	1	1	1	0	0	1
Contig19635_RC	1	0	1	0	0	1
Contig19662_RC	1	0	1	1	0	0
Contig1970_RC	1	1	1	1	0	1
Contig19715_RC	1	0	1	0	0	1

Contig19733_RC	1	1	1	1	0	1
Contig19822_RC	1	0	1	0	0	1
Contig19834_RC	1	1	1	1	0	0
Contig19918_RC	1	1	1	0	0	1
Contig19956_RC	1	0	1	0	0	1
Contig19982_RC	1	1	1	1	0	0
Contig1998_RC	1	0	1	0	1	1
Contig19999_RC	1	0	1	0	0	1
Contig2010_RC	1	0	1	1	0	1
Contig20156_RC	1	0	1	0	0	1
Contig20184_RC	1	0	1	0	0	1
Contig20269_RC	1	1	1	1	0	1
Contig20302_RC	1	0	1	0	0	1
Contig20343_RC	1	0	1	1	0	1
Contig20355_RC	1	0	1	0	0	0
Contig20361_RC	1	0	1	0	0	0
Contig20391_RC	1	1	1	1	0	0
Contig20428_RC	1	0	1	1	1	1
Contig20441_RC	1	0	1	0	1	1
Contig20550_RC	1	0	1	1	1	1
Contig20568_RC	1	0	1	0	1	1
Contig20598_RC	1	0	1	1	0	0
Contig20600_RC	1	0	1	0	0	1
Contig20629_RC	1	1	1	0	1	1
Contig20669_RC	0	0	0	0	0	1
Contig20708_RC	1	0	1	0	0	1
Contig20729_RC	1	0	1	0	0	1
Contig20748_RC	1	0	1	0	1	1
Contig20755	1	1	1	1	1	1
Contig20793_RC	0	0	0	1	0	0
Contig20796_RC	1	0	1	0	0	1
Contig20799_RC	1	0	1	0	0	0
Contig20807_RC	1	1	1	1	1	1
Contig20839_RC	0	0	1	0	0	0
Contig20846_RC	1	0	1	0	0	1
Contig20901_RC	1	1	1	1	0	1
Contig20907_RC	0	0	1	0	0	0
Contig20908_RC	1	0	1	1	0	1
Contig20914_RC	1	0	1	0	0	1
Contig20953_RC	1	1	1	1	0	1
Contig20989	1	0	1	0	0	0
Contig2099_RC	1	1	1	1	1	1
Contig21039_RC	1	0	1	0	0	0
Contig21063_RC	1	0	0	0	0	0
Contig21100_RC	1	0	1	0	0	1
Contig21130_RC	1	0	1	0	1	0
Contig21177_RC	1	1	1	0	0	1
Contig21185_RC	1	0	1	1	0	1
Contig21192	1	0	1	1	0	1
Contig21268_RC	1	1	1	1	1	0
Contig21271_RC	0	1	0	0	0	0
Contig21319_RC	1	0	1	0	1	1



Contig21353_RC	1	0	0	1	0	0
Contig21370_RC	1	1	1	1	0	1
Contig21391_RC	1	0	1	0	0	0
Contig21406_RC	0	1	0	0	0	1
Contig21421_RC	1	0	1	0	0	1
Contig21434_RC	1	1	1	1	0	0
Contig21464_RC	1	0	1	0	0	0
Contig21465_RC	1	0	1	0	0	1
Contig21478_RC	0	0	0	0	0	1
Contig21514_RC	1	1	1	1	0	0
Contig21607_RC	1	0	1	0	0	1
Contig21619_RC	1	1	0	0	0	0
Contig21627_RC	1	0	1	0	0	0
Contig21678_RC	1	1	1	1	0	0
Contig21679_RC	0	1	0	0	0	0
Contig21742_RC	1	0	1	0	1	0
Contig21787_RC	1	0	1	0	0	1
Contig21797_RC	0	0	0	0	0	1
Contig21843_RC	1	0	1	1	0	1
Contig21852_RC	1	1	1	1	1	1
Contig21869_RC	1	1	1	0	0	0
Contig21904	1	0	1	0	1	1
Contig21929_RC	1	1	1	1	0	0
Contig21947_RC	1	0	1	0	0	1
Contig21988_RC	1	0	1	1	1	1
Contig21997_RC	1	1	1	1	0	1
Contig22022_RC	1	0	1	0	0	1
Contig22095_RC	1	0	0	0	0	1
Contig22102_RC	1	0	1	0	0	0
Contig22179_RC	1	0	1	0	0	1
Contig22194_RC	1	1	1	1	0	0
Contig22251_RC	1	1	1	1	1	0
Contig22418_RC	1	1	1	1	1	0
Contig22427_RC	1	0	1	1	1	1
Contig22454_RC	1	0	1	0	0	1
Contig22517_RC	1	1	1	1	0	1
Contig22526_RC	1	1	1	0	0	1
Contig22534_RC	1	1	1	1	0	0
Contig22551_RC	1	0	1	0	0	1
Contig22599_RC	1	1	1	0	0	1
Contig2262_RC	1	0	1	0	0	1
Contig2263_RC	1	0	1	1	1	1
Contig22645_RC	1	0	1	0	0	1
Contig22705_RC	1	1	1	1	0	0
Contig22714_RC	1	1	1	1	0	1
Contig22749	1	0	1	1	0	0
Contig22758_RC	1	0	1	1	0	1
Contig22775_RC	1	1	1	1	1	1
Contig22818_RC	0	0	0	0	0	1
Contig22844_RC	1	1	1	1	1	1
Contig22927_RC	1	0	1	0	0	0
Contig22995_RC	1	0	1	0	0	0

Contig23046_RC	1	1	1	1	0	1
Contig23074_RC	1	1	1	1	0	0
Contig23080_RC	1	1	1	0	1	1
Contig23085_RC	1	1	1	1	1	1
Contig23165_RC	1	0	1	0	0	0
Contig23198_RC	1	0	1	0	0	1
Contig23240_RC	1	0	1	1	1	1
Contig23280	1	0	1	0	1	1
Contig23338_RC	1	0	1	0	0	1
Contig23352_RC	1	0	1	1	1	1
Contig23386_RC	1	1	1	0	0	1
Contig2339_RC	1	1	1	1	1	0
Contig23404_RC	1	1	1	1	1	1
Contig23408_RC	1	1	1	1	0	0
Contig23417_RC	1	0	1	1	0	0
Contig23421_RC	1	1	1	1	0	0
Contig23423_RC	1	0	1	0	0	1
Contig23431_RC	1	0	1	0	1	1
Contig23454_RC	1	0	0	0	0	1
Contig23475_RC	0	0	0	0	0	1
Contig23491_RC	1	1	1	1	0	1
Contig23513_RC	1	0	1	0	0	0
Contig23523_RC	1	1	1	1	1	0
Contig23581_RC	1	0	1	0	1	1
Contig23593_RC	1	1	1	1	0	1
Contig23667_RC	1	0	1	0	0	1
Contig23703_RC	1	1	1	0	0	0
Contig23742_RC	1	0	1	1	0	0
Contig23761_RC	1	0	1	0	0	1
Contig23803_RC	1	0	1	0	0	1
Contig23806_RC	1	0	1	0	1	1
Contig23809_RC	0	1	0	0	0	1
Contig23822_RC	0	0	0	0	0	1
Contig23837_RC	0	0	1	0	0	0
Contig23842_RC	1	0	1	0	0	1
Contig23859_RC	1	1	1	1	0	1
Contig23881_RC	1	0	1	1	1	1
Contig23913_RC	1	1	0	1	0	1
Contig23931_RC	1	0	1	0	1	1
Contig23975_RC	1	0	1	0	0	0
Contig23977_RC	0	0	1	0	0	0
Contig23991_RC	1	1	1	1	0	1
Contig2399_RC	1	0	1	1	1	1
Contig24026_RC	1	0	1	1	0	0
Contig24049_RC	0	0	1	0	0	0
Contig24066_RC	1	1	1	1	0	0
Contig24094_RC	1	0	1	0	0	1
Contig24098_RC	1	0	1	1	1	1
Contig24161_RC	1	0	1	0	0	1
Contig24196_RC	1	0	1	0	0	0
Contig24204_RC	1	0	1	1	0	1
Contig24252_RC	1	0	1	0	1	0

Contig24259_RC	1	0	1	1	0	1
Contig24308_RC	1	0	1	0	1	0
Contig24344_RC	1	0	0	0	0	1
Contig24376_RC	1	1	0	0	0	0
Contig2439_RC	1	0	1	0	0	0
Contig24417_RC	1	0	1	1	0	1
Contig24594_RC	0	0	0	0	0	1
Contig24599_RC	0	0	0	0	0	1
Contig24600_RC	1	0	1	0	0	1
Contig24602_RC	1	1	1	1	0	1
Contig24609_RC	1	1	1	1	1	1
Contig24644_RC	1	0	1	0	0	1
Contig24646_RC	1	1	1	1	0	1
Contig24789_RC	1	0	1	0	0	0
Contig24811_RC	1	0	1	1	1	0
Contig24818_RC	1	0	1	0	0	0
Contig24843_RC	1	0	1	0	0	1
Contig24875_RC	1	0	1	0	0	0
Contig24903_RC	1	0	1	0	1	0
Contig24986	1	1	1	1	0	0
Contig25041_RC	1	0	1	0	0	1
Contig25060_RC	1	1	1	1	0	1
Contig25062_RC	1	0	1	0	0	1
Contig25075_RC	1	1	1	1	0	0
Contig25095_RC	1	0	1	0	0	1
Contig25119	1	1	1	0	0	1
Contig2512_RC	1	1	1	1	0	0
Contig25131_RC	1	0	1	0	0	0
Contig25138_RC	1	1	1	0	0	1
Contig25142_RC	1	1	1	1	1	1
Contig25194_RC	0	0	1	0	0	0
Contig25198_RC	1	0	1	1	1	1
Contig25228_RC	1	0	1	0	0	1
Contig25234_RC	1	0	1	0	0	1
Contig25256_RC	1	0	1	0	0	1
Contig25319_RC	1	0	1	0	0	1
Contig25327_RC	1	0	1	0	0	0
Contig25356_RC	1	0	1	0	0	1
Contig25362_RC	1	1	1	1	0	1
Contig25429_RC	1	1	1	1	0	0
Contig25503_RC	1	1	0	1	0	0
Contig25541_RC	1	0	1	1	1	1
Contig25583_RC	1	0	1	1	1	1
Contig25595_RC	1	0	1	0	1	1
Contig25597_RC	1	0	1	0	1	1
Contig25617_RC	1	0	1	0	0	1
Contig25619_RC	1	0	1	0	0	1
Contig25622_RC	1	1	1	1	0	1
Contig25653_RC	1	1	1	0	0	0
Contig25659_RC	1	1	1	1	0	1
Contig25670_RC	1	1	1	1	1	0
Contig25700_RC	1	1	1	1	0	1

Contig25703_RC	1	0	1	0	0	1
Contig25707_RC	1	0	1	1	0	1
Contig25717_RC	1	0	1	1	0	1
Contig25728_RC	1	0	1	1	0	1
Contig25744_RC	1	1	1	1	0	0
Contig25765_RC	0	0	0	0	0	1
Contig25794_RC	1	1	1	1	0	0
Contig25800_RC	1	1	1	1	0	0
Contig25809_RC	1	1	1	1	1	1
Contig25814_RC	1	0	1	0	0	1
Contig25819_RC	1	0	0	0	0	0
Contig25881_RC	1	0	0	0	0	1
Contig25938_RC	1	0	0	0	0	0
Contig25944_RC	1	1	1	0	0	1
Contig25949_RC	1	0	1	0	1	0
Contig25969_RC	0	0	1	0	0	0
Contig25972_RC	1	0	0	0	0	0
Contig25978_RC	1	1	1	1	1	1
Contig25994_RC	0	0	1	0	0	0
Contig26019_RC	1	1	1	1	1	1
Contig26027_RC	1	0	1	0	0	1
Contig26059_RC	1	0	1	0	0	0
Contig26077_RC	1	1	1	1	1	1
Contig26081_RC	1	0	1	0	0	0
Contig26096_RC	1	1	1	1	1	1
Contig26141_RC	1	0	1	0	0	0
Contig26144_RC	1	0	1	0	0	1
Contig26150_RC	1	0	1	1	0	1
Contig26172_RC	1	0	1	1	0	0
Contig26193_RC	1	0	1	1	0	1
Contig2621_RC	1	0	1	1	0	1
Contig26232_RC	0	1	0	0	0	0
Contig26267_RC	1	0	1	1	0	1
Contig26278_RC	1	1	1	1	0	1
Contig26295_RC	1	1	1	1	0	1
Contig26332_RC	1	0	1	0	0	1
Contig26395_RC	1	1	1	1	0	1
Contig2639_RC	0	0	1	0	0	0
Contig263_RC	1	0	1	1	1	1
Contig26421_RC	1	0	1	0	0	1
Contig26434_RC	1	0	1	1	1	0
Contig26456_RC	0	0	0	0	0	1
Contig2647_RC	1	1	1	1	1	1
Contig2652_RC	1	0	1	0	0	1
Contig26534_RC	1	0	1	0	0	0
Contig26573_RC	1	0	1	0	1	1
Contig26578_RC	1	0	1	0	0	0
Contig2657_RC	1	1	1	1	0	1
Contig26584_RC	1	1	0	0	0	1
Contig26595_RC	1	0	1	1	0	1
Contig26616_RC	1	1	1	1	0	0
Contig26622_RC	1	0	1	0	1	0

Contig26625_RC	1	1	1	1	1	0
Contig26627_RC	1	1	1	1	1	1
Contig26641	0	0	0	0	0	1
Contig26648_RC	1	1	1	1	0	0
Contig26656_RC	0	0	0	0	0	1
Contig26674_RC	1	0	1	0	0	1
Contig26706_RC	1	1	1	0	1	1
Contig26713_RC	1	0	1	0	0	0
Contig26724_RC	1	1	1	1	0	1
Contig26743_RC	1	1	1	1	0	0
Contig26760	1	1	1	0	0	0
Contig26766_RC	0	0	0	0	1	0
Contig26835_RC	1	0	1	0	1	1
Contig26856_RC	1	1	1	0	0	0
Contig26859_RC	1	1	1	1	0	1
Contig26909_RC	1	1	1	1	1	1
Contig26936_RC	1	0	1	1	0	1
Contig26947_RC	1	1	1	1	0	0
Contig26975_RC	1	0	1	0	0	0
Contig26987_RC	1	0	1	0	0	1
Contig26988_RC	1	0	1	1	0	0
Contig27060_RC	1	0	1	1	1	1
Contig27081_RC	1	1	1	1	1	1
Contig27084_RC	1	0	1	0	1	1
Contig27106_RC	1	1	1	1	1	1
Contig27144_RC	1	0	1	0	0	1
Contig27145_RC	1	0	1	1	1	1
Contig27158_RC	1	1	1	1	0	0
Contig27167_RC	1	0	1	0	0	0
Contig27168_RC	1	1	1	0	0	0
Contig27175_RC	1	0	1	1	1	1
Contig27183_RC	1	1	1	1	0	0
Contig27184_RC	1	1	1	1	1	1
Contig27186_RC	1	1	1	1	1	0
Contig27196_RC	1	0	1	0	0	1
Contig27238_RC	1	1	1	1	1	1
Contig27245_RC	1	0	1	1	1	1
Contig27267_RC	1	0	1	1	0	0
Contig27275_RC	1	0	1	1	1	0
Contig2728_RC	1	1	1	1	0	0
Contig27294_RC	1	0	0	0	0	1
Contig27300_RC	1	0	1	0	0	0
Contig27391_RC	1	0	1	1	0	1
Contig27402_RC	1	0	1	1	0	1
Contig27444_RC	1	1	1	0	0	1
Contig27456_RC	1	0	0	0	0	0
Contig2745_RC	1	1	1	1	1	0
Contig27464_RC	1	1	1	1	0	1
Contig27505_RC	1	0	1	0	0	1
Contig27558_RC	1	0	1	0	0	1
Contig27580_RC	0	0	0	0	0	1
Contig27591_RC	1	0	0	0	0	1

Contig27593_RC	1	1	1	1	1	1
Contig27616_RC	1	1	1	1	1	1
Contig27636_RC	1	0	1	0	0	1
Contig27645_RC	1	1	1	1	0	0
Contig27679_RC	1	1	1	1	0	0
Contig27748_RC	1	0	1	1	0	1
Contig27764_RC	0	0	1	0	0	0
Contig27797_RC	1	0	0	0	0	1
Contig27799_RC	1	0	1	0	0	1
Contig27820_RC	1	0	1	0	0	0
Contig27827_RC	1	0	1	1	1	1
Contig27840_RC	1	0	1	0	0	1
Contig27884_RC	1	0	1	0	0	0
Contig27886_RC	1	1	1	1	0	1
Contig27895_RC	1	0	1	0	0	1
Contig27908_RC	0	0	1	0	0	0
Contig27925_RC	1	0	1	1	0	0
Contig27930_RC	0	0	1	1	0	0
Contig27934_RC	1	0	1	0	0	1
Contig27972_RC	1	0	1	0	1	1
Contig28001_RC	1	0	1	0	0	1
Contig28008_RC	1	0	1	0	0	1
Contig28028_RC	1	0	1	1	1	1
Contig28032_RC	1	0	0	0	0	1
Contig28045_RC	1	1	1	1	0	1
Contig28074_RC	1	1	1	1	0	0
Contig28079_RC	1	0	0	0	0	1
Contig28085_RC	1	1	1	1	1	1
Contig28098_RC	0	1	0	0	0	0
Contig28118_RC	1	0	0	0	0	0
Contig28123_RC	1	0	1	0	0	0
Contig28143_RC	1	0	1	0	0	0
Contig28161_RC	1	0	1	0	0	0
Contig28169_RC	1	1	1	1	1	1
Contig28179_RC	1	0	1	0	1	1
Contig28181_RC	1	1	1	1	0	0
Contig28185_RC	0	1	0	0	0	0
Contig28220_RC	1	0	1	0	0	1
Contig28226_RC	1	1	1	1	1	1
Contig28228	1	0	1	0	1	1
Contig28229_RC	1	1	1	1	0	1
Contig28281_RC	0	0	0	1	0	0
Contig28285_RC	0	0	0	0	0	1
Contig28286_RC	1	0	1	0	1	1
Contig28298_RC	1	0	1	1	0	0
Contig28319_RC	1	0	1	0	0	1
Contig28339_RC	1	1	1	0	0	1
Contig28418_RC	1	1	1	0	1	0
Contig28419_RC	1	0	1	0	0	0
Contig28455_RC	1	1	1	1	0	1
Contig28472_RC	1	0	1	0	0	0
Contig28518_RC	1	0	1	0	0	1

Contig28522_RC	1	1	1	1	1	1
Contig28549	0	0	0	0	0	1
Contig28560_RC	1	0	1	0	1	1
Contig28567_RC	1	0	1	1	0	0
Contig2858_RC	1	1	1	1	0	1
Contig28591_RC	1	0	1	0	0	1
Contig28656_RC	1	0	1	0	0	1
Contig28668_RC	1	0	0	0	0	0
Contig28673_RC	1	0	0	0	0	1
Contig28712_RC	1	0	1	0	0	1
Contig2873_RC	1	1	1	1	0	1
Contig28747_RC	0	0	1	1	0	0
Contig28760_RC	1	1	1	1	0	1
Contig28762_RC	1	1	1	1	1	1
Contig28766_RC	1	1	1	1	0	0
Contig28780_RC	1	1	1	1	0	1
Contig28784_RC	1	0	1	0	0	1
Contig28807_RC	1	0	1	0	0	0
Contig2883_RC	1	0	1	1	0	1
Contig28850_RC	1	0	1	0	1	1
Contig28909_RC	1	1	1	1	1	1
Contig28941_RC	1	1	1	1	0	0
Contig28947_RC	1	0	1	0	1	1
Contig28952_RC	1	0	1	1	0	0
Contig28983_RC	1	0	0	0	0	0
Contig28996_RC	1	0	1	1	0	0
Contig29015_RC	1	0	0	0	0	0
Contig29016_RC	1	1	1	0	0	1
Contig29020_RC	1	0	0	0	0	0
Contig29022_RC	1	0	1	0	0	0
Contig29062_RC	1	1	1	1	0	1
Contig29163_RC	1	1	1	1	0	0
Contig29175_RC	1	1	0	1	0	1
Contig29193_RC	1	0	1	0	1	1
Contig29208_RC	1	0	1	0	0	0
Contig29224_RC	1	0	0	0	0	1
Contig29226_RC	1	1	1	1	0	1
Contig29277_RC	1	0	0	0	0	0
Contig29287_RC	1	1	1	1	0	1
Contig29301_RC	1	0	1	0	0	1
Contig2930_RC	1	1	1	1	1	0
Contig29360_RC	1	0	1	0	0	0
Contig29362_RC	1	0	1	1	0	1
Contig29369_RC	1	0	1	0	1	1
Contig29373_RC	1	0	1	0	0	0
Contig29380_RC	1	0	1	0	1	1
Contig29396_RC	1	0	1	0	0	1
Contig29403_RC	1	0	1	1	0	0
Contig29409_RC	1	0	0	0	0	0
Contig29488_RC	1	1	1	1	1	1
Contig29509_RC	1	0	1	0	0	1
Contig29513_RC	1	0	1	0	1	0

Contig29647_RC	1	0	1	0	0	0
Contig29672_RC	1	1	1	1	1	0
Contig29699	1	0	1	0	0	1
Contig29707	1	0	1	0	0	0
Contig29721_RC	1	0	1	0	0	0
Contig29732_RC	1	1	1	1	1	1
Contig29754_RC	1	0	1	0	0	1
Contig29780_RC	1	1	1	0	0	0
Contig29788_RC	1	0	1	0	0	1
Contig297_RC	1	0	1	0	0	0
Contig29822_RC	1	0	1	0	0	1
Contig29860_RC	1	1	1	1	0	1
Contig29921_RC	1	1	1	1	1	1
Contig29940_RC	1	1	1	1	0	0
Contig29949_RC	1	0	1	0	0	0
Contig29954_RC	1	0	1	0	1	1
Contig29955_RC	0	0	1	0	0	0
Contig29982_RC	1	1	1	1	1	1
Contig30016_RC	1	0	0	0	0	1
Contig30023_RC	1	1	1	1	0	0
Contig30029_RC	1	0	1	0	0	1
Contig30032_RC	1	0	1	0	1	1
Contig30047_RC	1	0	1	0	1	1
Contig30061_RC	1	0	1	0	1	1
Contig30070_RC	0	0	1	0	0	0
Contig30092_RC	0	1	1	1	0	0
Contig30098_RC	1	1	1	1	1	1
Contig30101_RC	1	0	0	0	0	0
Contig30119_RC	1	0	1	0	0	0
Contig3015_RC	1	0	1	0	0	1
Contig30184_RC	1	0	1	0	0	0
Contig30213_RC	1	0	1	0	0	1
Contig30230_RC	1	1	1	1	0	1
Contig30239_RC	1	1	1	1	1	1
Contig30280_RC	1	0	0	0	0	0
Contig30316_RC	1	1	1	0	0	1
Contig30343_RC	1	0	1	0	1	1
Contig30350_RC	1	0	1	1	0	0
Contig30356_RC	1	0	1	0	1	1
Contig30372_RC	1	0	1	0	0	0
Contig30392_RC	1	0	1	0	0	1
Contig30411_RC	1	1	1	0	0	0
Contig30434_RC	1	1	1	1	1	0
Contig30435_RC	1	0	1	1	0	1
Contig30437_RC	1	1	1	1	1	1
Contig30480_RC	1	0	0	0	0	0
Contig30484_RC	1	1	1	1	1	1
Contig30493_RC	1	0	1	0	0	1
Contig30494_RC	1	0	1	0	0	0
Contig30499_RC	1	0	1	0	0	1
Contig30522_RC	1	1	1	1	0	1
Contig30528_RC	1	0	1	0	0	1



Contig3057_RC	1	0	1	1	0	0
Contig3058_RC	1	0	1	1	0	1
Contig30665_RC	1	0	1	0	0	0
Contig30671_RC	1	0	1	0	0	1
Contig30692_RC	1	1	1	1	0	0
Contig30735_RC	1	1	1	1	0	1
Contig30775_RC	0	1	0	0	0	0
Contig30819_RC	1	0	1	0	0	1
Contig30828_RC	1	0	1	0	0	0
Contig30833_RC	0	0	1	0	0	0
Contig30894_RC	1	0	1	0	1	1
Contig30910_RC	1	1	1	1	1	1
Contig30964_RC	1	1	1	0	0	1
Contig30972_RC	1	0	1	0	0	1
Contig30977_RC	1	1	1	1	0	1
Contig31010_RC	1	1	1	1	0	0
Contig31018_RC	1	0	1	0	0	0
Contig31028_RC	1	0	1	0	0	0
Contig31062_RC	1	1	1	1	0	1
Contig31089_RC	1	0	1	0	0	1
Contig31101_RC	1	1	1	1	1	1
Contig31122_RC	1	1	1	0	0	1
Contig31127_RC	1	1	1	1	0	1
Contig31137_RC	1	0	1	0	0	1
Contig31165_RC	1	0	1	0	1	1
Contig31172_RC	1	0	1	0	1	1
Contig31192_RC	1	1	1	0	0	1
Contig31206_RC	1	1	1	1	1	0
Contig31211_RC	1	1	1	1	0	1
Contig3124_RC	1	1	1	0	1	1
Contig31258_RC	1	1	1	0	0	1
Contig31277_RC	1	1	1	1	1	1
Contig31288_RC	1	0	1	0	1	1
Contig31295_RC	1	0	1	1	1	1
Contig31322_RC	1	0	1	1	0	1
Contig31335_RC	1	0	1	0	0	1
Contig31337_RC	1	1	1	0	0	1
Contig31361_RC	1	0	1	0	0	1
Contig31391_RC	1	1	1	1	0	0
Contig31424_RC	1	0	1	0	0	0
Contig31447_RC	1	0	0	0	0	0
Contig31449_RC	1	1	1	1	1	1
Contig31461_RC	1	0	1	0	0	1
Contig31470_RC	1	0	1	0	0	1
Contig31482_RC	1	1	1	1	0	0
Contig31493_RC	0	0	0	0	0	1
Contig31495	1	0	1	1	0	0
Contig31501_RC	1	0	1	0	0	0
Contig31509_RC	1	1	1	1	0	1
Contig31525_RC	1	0	1	1	1	1
Contig31559_RC	1	1	1	1	1	1
Contig31577_RC	1	1	1	0	0	1

Contig31587_RC	1	0	1	0	0	1
Contig31596_RC	1	0	1	1	1	1
Contig31613_RC	1	0	1	1	1	0
Contig31615_RC	1	1	1	1	1	1
Contig31647_RC	1	0	1	0	0	1
Contig31656_RC	1	0	1	0	0	0
Contig31661_RC	1	0	1	0	0	1
Contig31699_RC	1	0	1	0	1	1
Contig31732_RC	1	0	1	1	0	0
Contig31754_RC	0	0	0	0	0	1
Contig31757_RC	1	1	1	1	0	1
Contig31771_RC	1	0	1	0	0	1
Contig31790_RC	1	0	1	0	0	0
Contig31800_RC	1	1	1	1	1	1
Contig31830_RC	0	0	0	0	0	1
Contig31833_RC	1	0	1	1	0	1
Contig31872_RC	0	0	0	1	0	0
Contig31905_RC	1	1	1	0	1	1
Contig31913_RC	1	1	1	1	1	1
Contig31928_RC	1	1	1	1	1	1
Contig31938_RC	1	0	1	1	0	0
Contig31949	1	0	1	1	0	1
Contig31966_RC	1	0	1	0	0	1
Contig31979_RC	0	1	0	0	0	0
Contig31985_RC	1	0	1	0	0	1
Contig31993_RC	1	1	1	1	0	0
Contig31994_RC	1	0	1	1	0	0
Contig32006_RC	1	0	1	0	0	0
Contig32017_RC	1	1	1	1	1	1
Contig32019_RC	1	0	0	0	0	0
Contig32027_RC	1	0	1	0	0	1
Contig32037_RC	0	0	0	0	0	1
Contig32043_RC	1	1	1	1	0	0
Contig32050_RC	1	0	1	1	0	1
Contig32055_RC	1	0	0	0	0	1
Contig32072_RC	1	1	1	1	1	1
Contig32084_RC	0	0	1	0	0	0
Contig32099_RC	1	0	1	0	0	0
Contig32123_RC	1	1	1	1	1	1
Contig32135_RC	0	0	1	0	1	1
Contig32137_RC	1	1	1	1	1	1
Contig32138_RC	1	1	1	1	0	0
Contig32147	1	0	1	0	0	0
Contig32176_RC	1	1	1	1	0	1
Contig32183_RC	1	0	1	1	0	0
Contig321_RC	1	0	1	1	0	1
Contig32213_RC	1	1	0	0	0	1
Contig32231_RC	1	0	1	1	0	0
Contig32241_RC	1	0	1	0	0	1
Contig32259_RC	0	0	0	0	0	1
Contig32268_RC	1	0	1	1	1	1
Contig32282_RC	1	1	1	0	0	1

Contig3228_RC	1	0	1	0	1	1
Contig32316_RC	1	0	1	1	1	1
Contig32322_RC	1	1	1	1	0	1
Contig32323_RC	1	1	1	1	0	0
Contig32335_RC	1	0	1	1	0	0
Contig32336_RC	1	1	1	1	1	1
Contig32344_RC	1	1	1	1	0	1
Contig32345_RC	1	0	1	1	1	1
Contig32348	1	0	1	0	0	0
Contig32439_RC	0	0	0	0	0	1
Contig32489	0	0	0	0	0	1
Contig32494_RC	1	0	0	0	0	0
Contig32538_RC	1	0	1	1	1	1
Contig32558_RC	1	1	1	1	0	0
Contig32577_RC	1	1	1	1	0	1
Contig3259_RC	1	1	1	1	0	1
Contig32637_RC	1	1	1	1	0	1
Contig32641_RC	1	1	1	1	1	1
Contig32649_RC	1	0	1	0	1	1
Contig32706_RC	1	1	1	1	0	0
Contig32758_RC	1	0	1	0	0	1
Contig32771_RC	1	0	1	0	0	0
Contig32798_RC	1	0	1	0	0	0
Contig32810	1	1	1	1	1	1
Contig32899_RC	1	1	1	1	0	1
Contig32951_RC	0	0	0	0	0	1
Contig32970_RC	1	0	1	0	0	0
Contig32981_RC	1	1	1	1	0	1
Contig33003_RC	1	1	1	1	0	1
Contig33062_RC	1	1	1	1	0	1
Contig33065_RC	1	1	1	1	0	1
Contig33077	1	0	1	0	0	0
Contig33121_RC	0	0	0	0	0	1
Contig3313	1	1	1	1	1	1
Contig33156_RC	1	0	0	0	0	1
Contig33188_RC	1	1	1	1	0	1
Contig331_RC	1	0	1	0	0	0
Contig33201_RC	1	1	1	1	0	0
Contig33224_RC	1	1	1	1	0	0
Contig33230_RC	1	1	1	1	1	1
Contig33235_RC	1	0	1	0	0	1
Contig33240_RC	0	0	1	0	0	0
Contig33259_RC	1	0	1	0	0	0
Contig33260_RC	0	1	0	0	0	1
Contig33276_RC	0	0	0	0	0	1
Contig33279_RC	1	0	1	0	0	0
Contig33309_RC	1	0	1	0	0	0
Contig33335_RC	1	0	1	0	0	0
Contig33343_RC	1	0	1	1	1	1
Contig33376_RC	1	1	1	0	1	1
Contig33403_RC	1	0	1	1	0	1
Contig33416_RC	1	0	1	1	1	0

Contig33441_RC	1	1	1	0	0	1
Contig33444_RC	1	1	1	1	0	1
Contig33445_RC	1	1	1	1	0	0
Contig33460_RC	1	0	1	1	1	0
Contig33514_RC	1	0	1	0	0	1
Contig33537_RC	1	1	1	1	0	1
Contig33540_RC	1	0	0	1	0	0
Contig33574_RC	1	0	1	0	1	1
Contig33579_RC	1	1	1	1	0	1
Contig3359_RC	1	1	1	1	0	1
Contig33601_RC	1	1	0	1	0	0
Contig33613_RC	1	0	1	0	0	0
Contig33643_RC	1	0	0	0	0	0
Contig33654_RC	1	0	1	0	1	0
Contig33672_RC	1	0	0	0	0	1
Contig33697_RC	1	1	1	1	0	1
Contig33703_RC	1	1	1	0	0	1
Contig33736_RC	1	0	1	0	0	0
Contig33745	1	1	1	1	1	1
Contig33749_RC	1	0	1	0	0	0
Contig33752_RC	1	0	1	0	0	1
Contig33758_RC	1	0	1	0	1	1
Contig33759_RC	1	0	1	0	0	1
Contig33760_RC	1	1	1	1	1	1
Contig33762_RC	1	0	1	0	0	1
Contig33767_RC	1	1	1	1	0	1
Contig33770_RC	1	0	1	0	0	0
Contig33826_RC	0	1	0	1	0	0
Contig33834_RC	0	1	0	1	0	0
Contig33855_RC	1	0	1	0	0	0
Contig33859_RC	1	0	1	1	1	1
Contig33870_RC	1	0	1	0	0	0
Contig33879_RC	1	0	1	0	0	0
Contig33882_RC	1	1	1	1	1	1
Contig33888_RC	1	0	1	0	1	0
Contig33948_RC	1	1	1	1	0	1
Contig33975_RC	1	1	1	1	0	0
Contig33979_RC	1	0	1	0	0	1
Contig33987	1	0	1	0	0	1
Contig34004_RC	1	0	0	0	0	0
Contig34043_RC	1	1	1	1	1	1
Contig34080_RC	1	1	1	1	0	1
Contig34090_RC	1	0	1	1	1	1
Contig340_RC	1	0	1	0	1	0
Contig34108_RC	1	1	1	1	0	1
Contig34112_RC	1	0	1	0	0	0
Contig34129_RC	1	0	1	1	0	1
Contig34234_RC	0	0	1	0	0	0
Contig34239_RC	1	1	1	1	0	1
Contig34250_RC	1	0	0	0	0	0
Contig34291_RC	1	0	1	0	0	1
Contig34327	1	1	1	1	0	0

Contig34348_RC	1	0	1	1	0	0
Contig34350_RC	1	1	1	1	1	1
Contig34380_RC	1	0	1	0	1	1
Contig34393_RC	1	0	1	0	0	1
Contig34395_RC	1	1	1	1	0	1
Contig34438_RC	1	0	1	0	1	1
Contig34449_RC	1	0	1	0	0	0
Contig34450_RC	1	0	1	0	0	1
Contig34470_RC	1	1	1	0	0	1
Contig34471_RC	0	0	1	0	0	0
Contig34496_RC	0	1	0	1	0	0
Contig34539_RC	1	0	1	0	0	0
Contig34572_RC	0	1	0	0	1	0
Contig34593_RC	1	0	1	1	1	1
Contig34605_RC	1	0	1	0	0	1
Contig34644_RC	0	0	0	0	0	1
Contig3464_RC	1	1	1	1	0	0
Contig34701_RC	1	0	1	0	0	1
Contig34711	1	0	1	0	0	1
Contig34712_RC	1	0	0	0	0	0
Contig34719_RC	0	0	0	0	0	1
Contig34725_RC	1	0	1	0	0	0
Contig34732_RC	1	0	1	0	0	1
Contig34748_RC	1	1	1	1	0	1
Contig3474_RC	1	1	1	1	1	1
Contig34754_RC	1	0	1	0	0	0
Contig34768_RC	1	0	1	0	0	1
Contig34779_RC	1	0	1	0	0	1
Contig34789	1	1	1	1	0	1
Contig34811_RC	1	0	1	0	1	1
Contig34823_RC	1	1	1	1	0	0
Contig34830_RC	1	0	1	0	0	1
Contig34844_RC	1	1	1	1	0	1
Contig34872_RC	1	0	1	0	0	1
Contig34880_RC	1	1	1	1	0	1
Contig34904	1	0	1	0	1	1
Contig34947_RC	1	0	1	0	1	1
Contig34983_RC	1	1	1	0	0	1
Contig34985_RC	1	1	1	1	0	0
Contig34986_RC	1	0	1	1	0	1
Contig34989_RC	1	0	1	0	0	0
Contig34993_RC	1	1	1	1	0	1
Contig35088_RC	1	1	1	1	1	1
Contig35096_RC	1	1	1	1	0	1
Contig35138_RC	1	1	1	1	1	1
Contig35186_RC	1	0	1	0	0	1
Contig35241_RC	1	0	1	0	0	0
Contig35251_RC	1	1	1	1	0	0
Contig35271_RC	0	0	0	0	1	1
Contig35288_RC	1	0	1	0	0	0
Contig35292_RC	1	1	1	0	0	1
Contig35294_RC	1	0	1	0	0	1

Contig35298_RC	1	0	1	0	1	1
Contig35321_RC	0	0	0	0	0	1
Contig35326_RC	1	0	1	0	1	1
Contig35333_RC	1	1	1	1	0	0
Contig35400_RC	1	1	1	1	1	1
Contig35416_RC	0	0	0	0	0	1
Contig35424_RC	1	0	1	0	1	1
Contig35425_RC	1	1	1	1	0	1
Contig35435_RC	1	0	1	0	0	0
Contig35455_RC	1	0	1	0	1	1
Contig3546	1	0	1	1	0	0
Contig35464_RC	1	0	1	0	1	1
Contig35510_RC	1	1	1	0	0	0
Contig35522_RC	1	0	1	0	0	1
Contig35526_RC	1	0	1	1	0	1
Contig35537_RC	1	0	0	0	0	0
Contig35582_RC	1	0	0	0	0	1
Contig35608_RC	1	1	1	0	0	1
Contig35644_RC	1	0	1	0	0	0
Contig35657	1	0	1	1	0	0
Contig35659_RC	1	0	1	0	0	1
Contig35672_RC	1	1	1	0	0	1
Contig35673_RC	0	0	0	0	0	1
Contig35700_RC	1	0	1	1	1	1
Contig35702	1	0	1	0	0	1
Contig35749_RC	1	1	1	1	1	1
Contig35768_RC	1	0	1	0	1	1
Contig3576_RC	1	1	1	1	0	1
Contig35799_RC	1	1	1	1	0	0
Contig35808_RC	1	0	1	0	0	1
Contig35814_RC	1	1	1	1	0	0
Contig35822_RC	1	0	0	0	0	1
Contig35866_RC	1	1	1	1	1	1
Contig35874_RC	1	1	1	1	1	1
Contig35878_RC	0	1	0	1	0	0
Contig35896_RC	1	0	1	1	1	1
Contig35927_RC	1	0	0	0	0	0
Contig35935	0	0	0	0	0	1
Contig35947_RC	1	1	1	1	0	0
Contig35949_RC	1	0	1	0	0	1
Contig35984_RC	1	0	1	0	0	1
Contig36042_RC	1	1	1	1	0	1
Contig36052_RC	1	0	1	0	0	0
Contig36061_RC	1	0	1	0	1	1
Contig36062_RC	1	0	1	0	0	1
Contig36071	1	0	1	0	0	1
Contig36078_RC	1	0	1	0	1	0
Contig36081_RC	1	0	1	0	0	0
Contig36101_RC	1	0	1	0	0	0
Contig36104_RC	1	0	1	1	1	1
Contig36122_RC	1	1	1	1	0	1
Contig36123_RC	1	0	1	0	0	1

Contig3612_RC	1	0	1	1	0	1
Contig36172_RC	1	0	1	0	0	1
Contig36178_RC	1	0	1	0	0	1
Contig36233_RC	1	1	0	0	0	1
Contig36261_RC	1	1	1	1	1	1
Contig36267_RC	1	0	1	0	0	0
Contig36285_RC	1	0	1	0	0	0
Contig36307_RC	1	0	1	0	0	0
Contig36326_RC	1	0	1	1	1	1
Contig36350_RC	1	0	1	1	1	1
Contig36355_RC	1	1	1	1	0	1
Contig36363_RC	1	0	1	0	0	1
Contig36364_RC	1	1	1	1	0	1
Contig36381_RC	1	0	0	0	0	0
Contig36385_RC	1	0	1	0	0	1
Contig36412_RC	1	0	1	1	1	1
Contig36419_RC	1	1	1	0	0	1
Contig36420_RC	1	1	1	1	0	0
Contig36421_RC	1	0	1	1	1	0
Contig36432_RC	1	0	1	1	1	1
Contig36447	1	0	1	0	1	1
Contig36448_RC	1	1	1	1	0	0
Contig36454_RC	1	1	1	1	0	0
Contig36457_RC	1	0	1	0	1	0
Contig36502_RC	1	0	1	1	0	0
Contig36511_RC	1	0	0	0	0	1
Contig36512_RC	1	0	1	0	0	0
Contig36517_RC	1	0	1	1	0	1
Contig36522_RC	1	0	1	0	0	0
Contig36533_RC	1	0	1	1	1	1
Contig36539_RC	0	0	1	0	0	0
Contig36574	1	0	1	1	0	0
Contig36577_RC	1	0	1	1	0	1
Contig36590_RC	0	0	1	0	0	0
Contig36606_RC	0	0	1	0	0	0
Contig36614_RC	1	0	1	0	0	0
Contig36638_RC	1	0	1	0	1	1
Contig36688	1	0	1	0	0	1
Contig36707_RC	0	0	0	0	0	1
Contig36720_RC	0	0	0	0	0	1
Contig36722_RC	1	0	1	0	0	0
Contig36728_RC	1	1	1	1	0	1
Contig36729_RC	1	1	1	0	1	1
Contig36735_RC	1	1	1	0	1	1
Contig36744_RC	1	0	1	0	0	0
Contig36794_RC	1	0	1	1	1	1
Contig36809_RC	1	0	1	0	0	0
Contig36810	1	0	1	1	1	1
Contig36825_RC	1	1	1	1	0	0
Contig36832_RC	1	0	0	0	0	1
Contig36836_RC	1	1	1	1	0	1
Contig36843_RC	1	1	1	1	0	1

Contig36872_RC	1	0	1	0	0	1
Contig36888_RC	1	0	1	0	1	0
Contig36904_RC	1	0	1	0	0	0
Contig36963_RC	1	1	1	1	0	0
Contig36977_RC	0	0	0	0	0	1
Contig36980_RC	1	1	1	1	1	0
Contig37025_RC	1	0	1	0	0	1
Contig37027	1	0	1	1	0	1
Contig37037_RC	1	0	1	0	1	1
Contig37042_RC	1	1	1	1	0	0
Contig37046_RC	1	0	0	0	0	0
Contig37063_RC	1	0	1	1	0	1
Contig37072_RC	1	1	1	1	1	1
Contig37104_RC	1	0	0	0	0	0
Contig37117	1	0	1	0	1	1
Contig37141_RC	1	1	1	1	0	1
Contig37142_RC	1	1	1	0	0	1
Contig37188_RC	1	1	1	0	0	0
Contig37200_RC	1	1	1	1	1	0
Contig37202_RC	1	0	1	0	0	1
Contig37236_RC	1	0	0	0	0	1
Contig37262	1	0	1	0	0	1
Contig37267_RC	1	0	1	0	0	1
Contig37281_RC	1	1	1	1	0	1
Contig37287_RC	1	1	1	1	0	0
Contig37295_RC	1	0	1	0	0	0
Contig37299_RC	1	0	1	0	0	1
Contig37300_RC	1	1	1	1	1	1
Contig37346	0	1	1	0	0	1
Contig3734_RC	1	1	1	1	1	0
Contig37371_RC	1	1	1	1	1	1
Contig37397_RC	1	0	1	1	1	1
Contig37439_RC	1	1	1	1	0	1
Contig37513_RC	1	0	1	0	0	1
Contig37540	1	0	1	0	0	1
Contig37562_RC	1	0	1	0	1	1
Contig37577_RC	1	0	1	0	0	1
Contig37598	1	1	1	1	0	1
Contig375_RC	1	1	1	1	0	1
Contig37601_RC	1	0	1	0	0	1
Contig37609_RC	1	0	1	0	0	1
Contig37644_RC	1	0	0	0	0	0
Contig37660_RC	1	0	1	0	0	0
Contig37690_RC	1	0	1	0	0	1
Contig37702_RC	1	0	0	0	0	0
Contig37761	1	0	1	0	1	1
Contig37763_RC	1	0	1	1	1	1
Contig37764_RC	1	0	1	1	0	1
Contig37852_RC	1	1	1	1	0	1
Contig37858_RC	1	0	1	1	0	0
Contig37871_RC	0	0	0	0	0	1
Contig37874_RC	0	0	1	1	0	0



Contig37883_RC	1	1	1	0	0	0
Contig37884_RC	1	1	1	1	0	0
Contig37895_RC	1	1	1	1	0	1
Contig37898_RC	1	1	1	1	0	1
Contig37913_RC	1	0	0	0	0	1
Contig37920_RC	1	0	1	1	0	0
Contig37941_RC	1	1	1	1	1	1
Contig37946_RC	1	1	1	1	0	1
Contig37950_RC	1	1	1	1	1	1
Contig37978_RC	1	0	1	0	0	1
Contig37989_RC	1	0	1	0	1	1
Contig38029_RC	1	0	0	0	0	1
Contig38093_RC	1	1	1	1	0	0
Contig38273_RC	1	1	1	1	1	1
Contig38285_RC	1	1	1	1	1	1
Contig38320_RC	1	0	1	1	0	0
Contig38321_RC	1	0	1	0	1	1
Contig3834_RC	1	0	1	0	0	1
Contig38384_RC	1	1	1	1	0	0
Contig38398_RC	1	1	1	1	0	1
Contig38422_RC	1	1	1	1	0	0
Contig38451_RC	1	1	1	1	0	1
Contig38472_RC	1	0	1	0	0	1
Contig38479_RC	1	0	1	1	0	0
Contig38493_RC	1	1	1	1	1	1
Contig38497_RC	1	1	1	0	1	0
Contig38500_RC	1	0	0	0	0	0
Contig38529_RC	0	0	0	0	0	1
Contig38530_RC	1	0	1	1	0	1
Contig38535_RC	1	0	1	0	1	1
Contig38537_RC	0	0	0	1	1	1
Contig38542_RC	0	0	1	0	0	0
Contig38557_RC	1	0	1	1	1	0
Contig38566_RC	1	0	1	0	1	1
Contig38573_RC	1	0	1	0	0	0
Contig38580_RC	0	0	0	0	0	1
Contig38591_RC	1	0	1	0	0	1
Contig38603_RC	1	1	1	1	1	1
Contig38604_RC	1	0	1	0	1	0
Contig38613_RC	1	1	1	1	0	0
Contig38614_RC	1	0	1	0	1	0
Contig38645_RC	1	1	1	1	1	1
Contig38647_RC	0	0	0	0	0	1
Contig38654_RC	1	0	1	0	0	1
Contig38670_RC	1	0	0	0	0	1
Contig38680_RC	1	1	1	1	1	1
Contig38688_RC	1	1	1	0	1	0
Contig38702_RC	1	1	1	1	0	0
Contig38710_RC	1	0	1	0	0	1
Contig38721_RC	1	0	1	1	1	1
Contig38724_RC	1	1	1	1	1	1
Contig38731_RC	1	0	1	0	0	0

Contig38736_RC	1	1	1	1	0	0
Contig38744_RC	1	0	1	1	0	1
Contig38747_RC	1	1	1	0	0	1
Contig38763_RC	1	1	1	1	1	1
Contig38772_RC	0	0	0	0	0	1
Contig38803_RC	1	0	1	0	0	0
Contig38845_RC	1	0	1	1	0	0
Contig38866_RC	1	0	1	0	0	1
Contig38906_RC	1	0	1	0	0	0
Contig38908_RC	1	0	1	0	0	1
Contig38911_RC	1	0	0	0	0	1
Contig38914_RC	1	0	1	0	0	0
Contig38932_RC	1	0	1	0	0	1
Contig38936_RC	1	0	1	1	0	1
Contig38939_RC	0	0	1	0	0	0
Contig38942_RC	1	0	1	1	0	1
Contig38962_RC	1	1	1	1	0	1
Contig38965_RC	1	0	1	1	0	1
Contig38980_RC	1	1	1	1	1	0
Contig39008_RC	1	1	1	1	1	0
Contig39012_RC	1	0	1	1	0	0
Contig39015_RC	1	0	1	0	0	1
Contig39038_RC	1	0	1	0	0	1
Contig39044_RC	1	0	1	1	1	1
Contig39063_RC	1	0	1	0	0	0
Contig39087_RC	1	0	1	1	1	1
Contig39090_RC	1	0	1	0	1	1
Contig39100_RC	0	0	0	0	0	1
Contig39113_RC	1	0	0	0	0	1
Contig39122_RC	1	1	1	1	0	1
Contig39129_RC	1	1	1	1	0	0
Contig39143_RC	1	0	1	0	0	1
Contig39152_RC	0	1	0	0	0	0
Contig39157_RC	1	0	0	0	0	1
Contig39174_RC	1	1	1	1	1	1
Contig39177_RC	1	0	1	0	0	0
Contig39180_RC	1	0	1	0	0	1
Contig39226_RC	1	0	1	1	1	1
Contig39234	1	1	1	0	0	0
Contig39242_RC	1	0	1	1	0	1
Contig39249	1	1	1	1	0	0
Contig39268_RC	1	1	1	1	0	1
Contig39269	1	1	1	1	0	0
Contig39297_RC	1	0	1	0	1	1
Contig39301_RC	1	0	1	1	0	0
Contig39328	1	0	1	0	0	1
Contig39343_RC	1	0	1	0	0	0
Contig39389_RC	1	1	1	0	0	1
Contig39402_RC	1	0	1	0	0	0
Contig39408_RC	1	1	1	1	0	1
Contig39412_RC	0	0	0	0	0	1
Contig39451	1	1	1	0	0	1

Contig39477_RC	1	1	1	1	1	1
Contig39478_RC	1	0	1	1	0	0
Contig39490_RC	1	0	1	0	0	1
Contig39492_RC	0	0	0	0	0	1
Contig39506_RC	1	0	1	0	0	1
Contig39514_RC	1	0	1	0	1	0
Contig39531_RC	1	0	1	1	0	0
Contig39591_RC	1	1	1	1	1	1
Contig39595_RC	1	0	1	0	0	0
Contig39616_RC	0	1	0	0	0	0
Contig39636_RC	1	0	1	0	1	1
Contig39637_RC	1	0	1	1	0	1
Contig39691_RC	1	0	1	1	0	0
Contig39714_RC	0	0	0	0	0	1
Contig39732_RC	0	0	1	0	0	0
Contig39739_RC	1	0	1	1	0	1
Contig39768_RC	1	0	1	0	1	0
Contig39786_RC	1	0	1	0	1	1
Contig39787_RC	1	0	1	0	0	0
Contig39806_RC	1	1	1	1	0	0
Contig39821	1	0	1	1	1	0
Contig39826_RC	1	0	1	0	0	1
Contig39838_RC	1	1	1	1	0	1
Contig39861_RC	1	0	1	0	0	0
Contig39875	1	1	1	1	1	1
Contig39877_RC	1	0	1	1	0	1
Contig398_RC	1	0	1	0	0	1
Contig39939	1	1	1	1	1	1
Contig39950_RC	1	0	1	0	0	0
Contig39951_RC	1	1	1	1	1	0
Contig39972_RC	1	0	1	0	0	0
Contig39983_RC	1	0	1	0	0	1
Contig40000_RC	1	1	1	0	0	1
Contig40018_RC	1	0	1	1	0	1
Contig40026_RC	1	1	1	1	1	1
Contig40055_RC	1	0	1	0	0	1
Contig40081_RC	1	0	1	0	0	1
Contig40090_RC	1	1	1	1	1	1
Contig40091_RC	1	1	1	1	1	1
Contig40099_RC	1	0	1	1	0	0
Contig40110_RC	1	0	1	0	0	0
Contig40121_RC	1	0	1	0	0	1
Contig40128_RC	1	0	1	0	0	1
Contig40145_RC	1	1	1	1	0	1
Contig40149_RC	1	1	1	1	1	1
Contig40153_RC	1	1	1	1	0	1
Contig40158_RC	1	0	1	0	0	0
Contig40165_RC	1	1	1	1	1	1
Contig40181_RC	1	0	1	0	0	0
Contig40208_RC	1	0	1	0	0	1
Contig40209_RC	1	0	1	0	1	0
Contig40221_RC	1	0	1	1	1	0

Contig40234_RC	1	1	1	1	1	1
Contig40239_RC	1	0	1	0	0	1
Contig40246_RC	1	0	1	0	0	0
Contig40251_RC	1	0	1	0	0	0
Contig40252_RC	1	0	1	1	1	1
Contig40272_RC	1	1	1	1	0	1
Contig40298_RC	1	0	1	0	1	1
Contig40304	1	1	1	0	0	0
Contig40325_RC	1	0	1	0	0	1
Contig40340_RC	1	1	1	1	0	0
Contig40382_RC	1	0	1	0	0	1
Contig40385_RC	1	1	1	0	1	1
Contig40389_RC	1	1	1	1	1	1
Contig404	1	1	1	1	1	1
Contig40418_RC	1	0	1	0	0	0
Contig40478_RC	1	1	1	1	1	1
Contig40516_RC	1	0	1	0	0	0
Contig40527_RC	1	0	1	0	0	1
Contig40530	1	1	1	1	1	1
Contig40549_RC	1	0	1	0	0	1
Contig40585_RC	1	1	1	0	1	1
Contig40600_RC	1	0	1	1	0	0
Contig40613_RC	1	0	1	1	0	1
Contig40616_RC	1	0	0	0	0	1
Contig40651_RC	1	1	1	1	0	1
Contig40664_RC	0	0	0	0	0	1
Contig40676_RC	1	0	1	0	1	1
Contig40695_RC	1	0	0	0	0	0
Contig40740_RC	0	0	1	0	0	1
Contig40743_RC	1	0	1	1	0	0
Contig40764_RC	1	0	1	0	0	1
Contig40765_RC	1	0	1	0	0	0
Contig40785_RC	1	1	1	1	1	1
Contig40831_RC	0	0	1	0	0	1
Contig40832_RC	1	1	1	1	1	1
Contig40845_RC	1	0	1	0	0	1
Contig40867_RC	1	0	1	0	1	0
Contig40887_RC	1	0	1	0	0	0
Contig40903_RC	1	0	1	0	1	1
Contig40916_RC	1	0	0	0	0	1
Contig40920	1	0	1	0	0	0
Contig40954_RC	1	1	1	1	0	1
Contig40964_RC	1	0	1	0	0	1
Contig40967_RC	1	0	0	0	0	1
Contig40997_RC	1	0	1	0	1	0
Contig41005_RC	1	1	1	1	0	1
Contig41012_RC	1	1	1	1	0	0
Contig41035	1	1	1	0	0	1
Contig41041_RC	1	0	1	1	1	1
Contig41075_RC	1	0	1	0	0	0
Contig41078_RC	1	0	1	0	0	1
Contig41079_RC	1	1	0	0	0	1

Contig41086_RC	1	0	1	1	1	1
Contig41095_RC	1	0	1	0	1	1
Contig41106_RC	1	0	1	0	0	0
Contig41121_RC	1	1	1	1	1	1
Contig41154_RC	1	1	0	0	0	1
Contig41156_RC	1	1	1	1	0	0
Contig41169_RC	1	0	1	0	0	0
Contig41195_RC	1	0	1	0	0	0
Contig41198_RC	1	1	1	1	0	0
Contig41210_RC	1	0	1	0	0	0
Contig41228_RC	0	0	0	0	0	1
Contig41244_RC	1	0	1	0	1	1
Contig41275_RC	1	1	1	1	1	1
Contig41277_RC	1	0	1	1	0	1
Contig41291_RC	1	0	1	1	1	0
Contig41302_RC	1	1	1	1	0	1
Contig41328	0	0	0	0	0	1
Contig41352_RC	1	0	1	0	0	1
Contig41363_RC	1	0	1	0	0	0
Contig41377_RC	1	1	1	1	1	1
Contig41384_RC	1	0	1	0	0	1
Contig41385_RC	1	0	1	1	0	0
Contig41392_RC	1	0	1	0	0	0
Contig41398_RC	1	1	1	1	0	1
Contig41404	1	0	0	0	0	1
Contig41413_RC	1	1	1	0	1	1
Contig41476_RC	1	0	1	1	1	1
Contig41496_RC	1	0	1	0	1	1
Contig41498_RC	1	0	1	1	1	1
Contig41516	1	0	1	0	0	1
Contig41524_RC	1	0	1	0	1	1
Contig41560_RC	1	1	1	1	1	1
Contig41578_RC	1	0	1	1	0	1
Contig41585_RC	1	0	1	0	0	1
Contig41587_RC	1	0	1	0	0	1
Contig41618_RC	1	1	1	1	0	1
Contig41635_RC	1	0	1	1	1	1
Contig41656_RC	1	0	1	1	1	1
Contig41726_RC	1	0	1	0	0	1
Contig41750_RC	1	1	1	1	0	0
Contig41766_RC	1	0	0	0	0	0
Contig41774_RC	1	1	1	1	1	1
Contig41798_RC	1	1	1	1	1	0
Contig41804_RC	1	0	0	0	0	1
Contig41817_RC	1	0	1	0	0	0
Contig41828_RC	1	0	1	1	1	1
Contig41850_RC	1	0	1	0	1	1
Contig41852	1	0	1	0	0	0
Contig41869_RC	1	0	1	0	0	0
Contig41877_RC	1	1	1	1	0	1
Contig41883_RC	1	0	1	0	0	1
Contig41905_RC	1	0	1	1	0	0

Contig41954_RC	1	0	1	0	1	1
Contig41973_RC	1	0	1	0	0	1
Contig41983_RC	1	0	1	1	1	0
Contig42006_RC	1	1	1	1	1	1
Contig42012_RC	1	0	1	1	1	1
Contig42022_RC	1	0	1	0	0	1
Contig42026_RC	1	1	1	1	0	1
Contig42038_RC	1	0	1	1	1	1
Contig42058_RC	1	1	1	1	1	1
Contig42141_RC	1	0	0	0	0	1
Contig42146_RC	1	1	1	1	0	1
Contig42153_RC	1	0	1	0	0	0
Contig42161_RC	1	0	1	0	0	0
Contig42213_RC	1	0	1	0	0	1
Contig42215_RC	1	0	1	0	0	0
Contig42220_RC	1	1	1	1	0	1
Contig42253_RC	1	0	1	1	1	1
Contig42256_RC	1	1	1	1	1	1
Contig42263_RC	1	0	1	1	1	1
Contig42270_RC	1	0	1	1	1	1
Contig42274_RC	1	1	1	1	0	0
Contig42297_RC	0	0	1	1	0	0
Contig42306_RC	1	1	1	0	0	1
Contig42328_RC	1	0	1	0	1	1
Contig42330_RC	1	0	1	1	0	0
Contig42342_RC	1	1	1	1	1	1
Contig42354	0	0	0	0	0	1
Contig42355_RC	0	0	0	0	0	1
Contig42395_RC	1	0	1	1	1	1
Contig42427_RC	1	0	1	1	0	1
Contig42428_RC	0	0	0	0	0	1
Contig42430_RC	1	1	1	1	1	1
Contig42437_RC	1	1	1	1	1	0
Contig42475	1	0	1	1	0	0
Contig42476_RC	1	0	1	1	0	0
Contig42490_RC	1	0	1	0	0	1
Contig42515_RC	1	0	1	0	0	1
Contig42518_RC	1	1	1	0	0	0
Contig42531_RC	1	1	1	1	1	1
Contig42547	1	0	1	0	0	1
Contig42593_RC	1	1	0	0	0	1
Contig42597_RC	1	1	1	0	0	0
Contig42599_RC	1	1	1	0	1	1
Contig42603_RC	0	0	1	0	0	0
Contig42617_RC	1	0	1	0	0	0
Contig42631_RC	0	0	0	0	0	1
Contig42647_RC	1	0	1	0	0	1
Contig42649_RC	1	1	1	0	1	1
Contig42661_RC	1	0	1	0	0	0
Contig42671_RC	1	0	1	0	0	1
Contig42694_RC	1	0	1	0	0	0
Contig42711_RC	1	0	1	0	0	0

Contig42728_RC	1	0	1	0	0	1
Contig42740_RC	1	1	1	0	0	1
Contig42770_RC	1	0	1	1	1	0
Contig42854	1	0	1	0	1	1
Contig42867	1	0	1	0	0	1
Contig42882_RC	1	1	1	1	0	1
Contig42884_RC	1	1	1	1	1	1
Contig42898_RC	1	0	1	1	0	0
Contig42919_RC	1	1	1	1	0	0
Contig42930_RC	1	1	1	1	1	1
Contig42933_RC	1	0	1	0	1	1
Contig42962_RC	1	1	1	1	0	1
Contig42977_RC	1	1	1	1	0	1
Contig43009_RC	1	1	1	1	1	1
Contig43027_RC	1	1	1	1	1	1
Contig43034_RC	1	1	1	1	1	1
Contig43039_RC	1	0	1	1	1	1
Contig43083_RC	1	0	1	1	1	0
Contig43096_RC	1	0	1	1	1	0
Contig43167_RC	1	0	1	1	0	1
Contig43187_RC	1	1	1	1	1	1
Contig43189_RC	1	1	1	0	0	0
Contig43195_RC	1	0	0	0	0	0
Contig43199_RC	1	0	1	0	0	1
Contig431_RC	1	0	1	1	1	1
Contig43202_RC	1	1	1	1	0	1
Contig43206_RC	0	0	0	1	0	0
Contig43253_RC	1	1	1	1	1	0
Contig43254_RC	1	1	1	1	1	1
Contig43273_RC	1	1	1	1	0	1
Contig43277_RC	1	1	1	1	1	1
Contig43289_RC	1	1	1	1	0	1
Contig43314_RC	1	0	1	0	1	1
Contig43330_RC	1	0	1	0	0	1
Contig43338_RC	1	0	1	0	0	1
Contig43373_RC	1	0	1	1	0	1
Contig43410_RC	1	0	1	1	0	1
Contig43415_RC	1	0	1	1	1	1
Contig43416_RC	1	1	1	1	0	0
Contig43433_RC	1	0	1	1	1	1
Contig43435_RC	1	1	1	1	0	0
Contig43449_RC	1	0	1	0	0	1
Contig43464_RC	1	0	1	1	0	1
Contig43474_RC	1	1	1	1	0	1
Contig43481_RC	1	0	1	1	1	0
Contig43513_RC	1	0	1	0	1	1
Contig43527	0	0	0	0	0	1
Contig43534	1	0	1	0	0	0
Contig43540_RC	1	0	1	1	0	0
Contig43542_RC	1	0	1	1	1	1
Contig43586_RC	1	0	1	1	0	1
Contig43599_RC	1	0	1	1	1	0

Contig436	1	0	1	1	0	0
Contig43601_RC	0	0	0	0	0	1
Contig43613_RC	1	0	1	0	1	0
Contig43632_RC	1	1	1	1	0	1
Contig43639_RC	0	0	0	0	0	1
Contig43645_RC	1	0	1	0	1	1
Contig4365_RC	1	1	1	1	0	1
Contig43667_RC	1	1	1	1	1	1
Contig43688_RC	1	0	1	0	0	0
Contig43703_RC	1	0	1	1	1	1
Contig43708_RC	0	0	1	0	0	0
Contig43710_RC	1	0	1	0	0	1
Contig43713_RC	1	1	1	1	0	1
Contig43750_RC	1	0	1	0	0	0
Contig43777_RC	1	1	1	1	0	1
Contig43791_RC	1	0	1	0	0	1
Contig43807_RC	1	0	1	1	1	0
Contig43817_RC	1	0	1	0	0	1
Contig43822_RC	1	0	1	0	1	1
Contig43826_RC	1	0	1	0	0	0
Contig4382_RC	1	1	1	1	0	0
Contig43833_RC	0	0	0	1	0	0
Contig43834_RC	1	0	1	0	0	1
Contig43846_RC	1	0	1	1	0	0
Contig43853_RC	1	0	1	0	1	1
Contig43871_RC	1	0	1	0	1	1
Contig438_RC	1	0	1	1	1	1
Contig43905_RC	1	0	1	0	0	0
Contig43923_RC	1	0	1	0	1	0
Contig43927_RC	1	0	1	1	1	1
Contig43944_RC	1	1	0	0	0	0
Contig43973	1	0	1	0	1	1
Contig44010_RC	1	1	1	0	0	0
Contig44040_RC	1	0	1	0	0	1
Contig44054_RC	1	0	1	0	0	1
Contig44068_RC	1	0	1	1	1	1
Contig44076_RC	1	0	1	0	0	0
Contig44111_RC	1	0	0	0	0	0
Contig44124_RC	1	1	1	1	0	1
Contig44145_RC	1	1	1	0	0	0
Contig44159_RC	1	1	1	1	0	0
Contig44168_RC	1	0	1	1	1	1
Contig44180_RC	1	0	1	0	0	1
Contig44186_RC	1	0	1	1	0	1
Contig44192_RC	1	0	1	1	1	1
Contig44211_RC	1	1	1	1	0	0
Contig44236	0	1	0	0	0	0
Contig44251_RC	1	0	1	1	1	1
Contig44254_RC	1	0	1	0	0	0
Contig44260_RC	1	0	1	0	0	0
Contig44265_RC	1	0	1	0	1	0
Contig44269_RC	1	1	1	1	1	1



Contig44271_RC	1	1	1	1	0	1
Contig44324	1	1	1	1	0	1
Contig44325_RC	1	1	1	1	0	0
Contig44331_RC	1	0	1	0	0	0
Contig44382_RC	1	1	1	1	1	1
Contig44383_RC	1	1	1	1	0	1
Contig44384_RC	1	0	1	0	0	1
Contig44415	1	0	1	0	1	1
Contig44425_RC	1	1	1	1	1	0
Contig44431_RC	1	0	1	0	1	1
Contig44451_RC	1	0	1	0	0	0
Contig44492_RC	1	1	1	1	1	0
Contig44534_RC	1	1	1	0	0	1
Contig44538_RC	1	1	1	1	1	1
Contig44548_RC	1	0	1	0	0	1
Contig44568_RC	1	0	1	1	0	0
Contig44593_RC	1	1	1	1	1	1
Contig44604_RC	0	0	1	1	0	1
Contig44605_RC	1	0	1	0	1	1
Contig44611_RC	1	1	1	1	1	1
Contig44622_RC	1	0	1	1	1	1
Contig44641_RC	1	1	1	1	0	1
Contig44656_RC	1	0	1	0	0	1
Contig44659_RC	1	0	1	1	0	1
Contig44682_RC	1	0	0	0	0	1
Contig44690_RC	1	1	1	1	0	1
Contig44694_RC	1	0	1	1	0	0
Contig44707_RC	1	1	1	1	1	1
Contig44712_RC	1	0	1	1	1	1
Contig44729_RC	1	0	1	0	1	1
Contig44758_RC	1	0	1	0	1	1
Contig44782_RC	1	1	1	1	1	0
Contig44799_RC	1	0	1	1	0	0
Contig44805_RC	1	1	1	1	1	1
Contig44829_RC	1	1	1	1	0	1
Contig44867_RC	1	0	0	0	0	0
Contig44877_RC	0	0	0	0	0	1
Contig44886_RC	1	0	1	1	1	1
Contig44890_RC	1	1	1	1	0	0
Contig448_RC	1	1	1	1	1	0
Contig44953_RC	1	1	1	1	0	1
Contig44964_RC	1	1	1	0	0	1
Contig45014_RC	1	0	1	0	1	0
Contig45037_RC	1	0	1	0	0	0
Contig45051_RC	1	0	0	0	0	1
Contig45082_RC	1	0	1	0	1	1
Contig45090_RC	1	1	1	1	0	1
Contig45091_RC	1	0	1	0	0	1
Contig45093_RC	1	0	1	0	0	0
Contig45100_RC	1	0	1	1	0	0
Contig45119_RC	1	0	1	0	0	0
Contig45122_RC	1	0	1	0	1	1

Contig45185_RC	1	1	1	1	0	1
Contig45195_RC	1	0	1	1	1	1
Contig45266	1	1	1	0	0	0
Contig45272_RC	1	0	1	1	0	1
Contig45273_RC	1	1	1	1	1	1
Contig45279_RC	1	0	1	1	0	1
Contig45298_RC	1	0	1	1	0	1
Contig45303_RC	0	0	0	0	0	1
Contig45316_RC	1	0	1	0	0	1
Contig45321	1	0	1	0	1	1
Contig45328_RC	1	1	1	1	0	1
Contig45338_RC	1	1	1	0	0	1
Contig45345_RC	1	0	1	0	0	1
Contig45367_RC	1	0	1	0	1	0
Contig4539	1	1	1	1	0	0
Contig453_RC	1	0	1	0	0	0
Contig45437	1	1	1	1	1	1
Contig45442_RC	1	0	1	0	0	1
Contig45443_RC	1	1	1	1	0	1
Contig45455_RC	1	0	1	0	1	1
Contig45464_RC	1	1	1	0	0	0
Contig45465_RC	1	0	1	1	0	0
Contig45469_RC	1	1	1	1	1	1
Contig45505_RC	0	0	0	0	0	1
Contig45544_RC	1	0	1	0	1	1
Contig45547_RC	1	0	1	0	1	1
Contig45549_RC	1	0	1	0	0	0
Contig45586_RC	1	0	1	0	0	0
Contig45618_RC	1	0	1	0	0	0
Contig45624_RC	1	1	1	1	1	1
Contig45634_RC	1	0	1	1	1	1
Contig45657	1	0	1	1	0	0
Contig45742	1	0	1	0	0	0
Contig45782_RC	1	0	0	0	0	1
Contig45786_RC	1	0	1	0	0	1
Contig45792_RC	1	0	1	0	0	0
Contig45799	1	0	1	0	0	0
Contig45834_RC	1	1	1	0	0	1
Contig45841_RC	1	1	1	1	0	0
Contig45859_RC	1	0	1	1	1	0
Contig45889_RC	0	0	0	0	0	1
Contig45891_RC	1	1	1	1	1	1
Contig45908_RC	1	1	1	0	0	0
Contig45911_RC	1	1	1	1	1	0
Contig45914_RC	1	0	1	1	0	0
Contig4595	1	1	1	0	1	1
Contig45953_RC	0	0	0	0	0	1
Contig45955_RC	1	1	1	1	1	1
Contig45964_RC	0	1	0	0	0	0
Contig45969	1	0	1	1	1	1
Contig45970_RC	1	0	1	1	1	1
Contig45982_RC	1	1	1	1	0	1

Contig45995_RC	1	0	1	0	0	1
Contig46002_RC	1	1	1	1	0	0
Contig46007	1	0	0	0	0	1
Contig46015_RC	1	1	1	0	0	1
Contig46075_RC	1	0	1	0	1	1
Contig46136_RC	1	0	0	0	0	0
Contig46158_RC	1	1	1	1	1	0
Contig46176_RC	1	0	1	0	0	1
Contig46178_RC	1	0	1	0	0	1
Contig46181_RC	1	1	1	1	1	0
Contig46182_RC	1	1	1	1	0	0
Contig46187_RC	1	0	1	1	0	0
Contig461_RC	1	0	1	0	0	1
Contig46201	1	1	1	0	0	0
Contig46202	1	0	1	1	1	1
Contig46217_RC	1	1	1	1	0	1
Contig46218_RC	1	0	1	0	1	1
Contig46223_RC	1	0	0	0	0	1
Contig46224_RC	1	0	0	0	0	1
Contig46241_RC	1	1	1	1	0	1
Contig46243_RC	1	0	1	0	0	1
Contig46244_RC	1	0	1	0	1	1
Contig46254_RC	1	0	1	0	0	0
Contig46288_RC	1	0	1	1	1	1
Contig46289_RC	1	1	1	1	1	1
Contig46324_RC	1	0	1	1	0	0
Contig46341_RC	1	1	1	1	0	0
Contig46351_RC	1	1	1	1	1	0
Contig46362_RC	1	0	1	0	0	0
Contig46375_RC	1	1	1	0	1	1
Contig46376_RC	1	1	1	1	1	1
Contig46409_RC	0	0	1	0	0	0
Contig46411_RC	1	0	1	0	0	0
Contig46414_RC	1	0	1	0	0	0
Contig46421_RC	1	1	1	1	1	0
Contig46452_RC	1	0	1	0	1	1
Contig46464_RC	1	0	1	1	0	0
Contig46468	1	0	1	1	1	1
Contig46525_RC	1	0	1	0	0	1
Contig46553_RC	1	1	1	1	0	0
Contig46563_RC	1	1	1	1	1	1
Contig46564_RC	1	0	1	1	1	1
Contig46589_RC	1	1	1	1	0	0
Contig46590	1	1	1	1	0	1
Contig46591_RC	1	0	1	0	0	1
Contig46595_RC	1	1	1	1	0	1
Contig46597_RC	1	0	0	0	0	0
Contig46598_RC	1	0	1	0	0	0
Contig46602_RC	1	0	1	1	1	1
Contig46609_RC	1	0	1	0	0	0
Contig46615_RC	1	1	1	0	0	1
Contig46631_RC	1	0	1	0	0	0

Contig46646_RC	1	0	1	0	1	0
Contig46653_RC	1	0	1	0	0	1
Contig46668_RC	1	1	1	1	0	0
Contig46677_RC	0	0	0	0	0	1
Contig46680_RC	1	0	1	0	1	1
Contig46697_RC	0	0	0	0	0	1
Contig46732_RC	1	0	1	0	1	1
Contig46747_RC	1	1	1	0	0	1
Contig46756_RC	1	0	1	1	0	1
Contig46773_RC	1	1	1	1	0	0
Contig46782_RC	1	1	1	1	1	1
Contig46789_RC	1	0	1	0	0	0
Contig46816_RC	1	1	1	1	0	0
Contig46817_RC	1	0	1	0	0	0
Contig46823_RC	1	1	1	0	0	1
Contig46868_RC	1	0	1	0	0	0
Contig46881_RC	1	1	1	1	0	0
Contig46911_RC	0	0	1	0	0	0
Contig46913_RC	1	0	1	0	1	1
Contig46918_RC	1	0	1	0	0	1
Contig46925	1	0	1	0	1	1
Contig46954_RC	1	1	1	1	0	1
Contig46989_RC	1	0	1	1	0	0
Contig46991_RC	1	1	1	1	1	0
Contig47005_RC	1	0	1	0	1	1
Contig47065_RC	1	0	1	0	0	0
Contig47071_RC	1	1	1	0	1	0
Contig47078_RC	1	0	1	0	1	1
Contig47081_RC	1	1	1	1	0	1
Contig47102_RC	1	1	1	1	1	1
Contig47128_RC	1	0	1	0	0	0
Contig47129	1	1	1	1	1	1
Contig47146_RC	1	1	1	0	1	0
Contig47150_RC	0	0	0	0	0	1
Contig47178_RC	1	0	1	0	0	0
Contig47179_RC	1	0	1	1	1	1
Contig47184_RC	1	0	1	0	1	1
Contig47196_RC	1	0	1	1	0	1
Contig47220	1	0	1	1	0	0
Contig47221_RC	1	0	1	1	1	0
Contig47222_RC	1	1	1	0	0	1
Contig47225_RC	1	0	1	0	0	1
Contig47247_RC	1	1	1	1	1	1
Contig47252_RC	1	1	1	1	1	1
Contig47267_RC	1	0	1	1	1	1
Contig47294_RC	1	1	1	1	1	1
Contig47297_RC	1	1	1	1	0	1
Contig47301_RC	1	0	1	0	0	0
Contig47304_RC	1	0	1	1	1	0
Contig47308_RC	1	1	1	1	1	1
Contig47326	1	1	1	1	0	1
Contig47339_RC	1	1	1	1	0	0

Contig47381_RC	1	1	1	1	0	1
Contig47416_RC	1	1	1	1	0	0
Contig47441_RC	1	0	1	0	1	1
Contig47462_RC	1	0	1	1	1	1
Contig47463_RC	1	0	1	1	0	0
Contig47483_RC	1	1	1	1	1	1
Contig47493_RC	1	0	1	1	0	1
Contig47495_RC	1	1	1	1	1	1
Contig47512_RC	1	1	1	1	0	0
Contig47519_RC	1	0	1	0	0	0
Contig47539_RC	1	0	1	0	1	1
Contig47555_RC	0	0	0	0	0	1
Contig475_RC	1	0	1	0	0	1
Contig47624_RC	1	1	1	1	1	1
Contig47629_RC	1	1	1	0	0	1
Contig47648_RC	1	0	1	0	0	0
Contig47680_RC	1	0	1	0	0	0
Contig47683_RC	1	0	1	1	1	1
Contig47741_RC	1	0	1	0	0	0
Contig47767_RC	1	1	1	1	0	0
Contig47779_RC	1	1	0	0	0	1
Contig47781_RC	0	0	1	0	0	0
Contig47787_RC	1	0	0	0	0	1
Contig47796_RC	1	0	1	1	1	1
Contig47810_RC	1	1	1	1	1	1
Contig47835_RC	1	1	1	1	0	1
Contig47846_RC	1	1	1	1	0	0
Contig47879_RC	1	1	1	1	0	0
Contig47882_RC	1	0	1	1	0	1
Contig47885_RC	0	0	1	0	0	1
Contig47895_RC	1	0	0	0	0	0
Contig47919_RC	1	0	1	0	0	0
Contig47922_RC	1	0	1	0	0	0
Contig47930_RC	1	0	1	1	1	0
Contig47944	1	0	1	0	1	0
Contig47954_RC	1	0	1	0	0	0
Contig47966_RC	1	0	1	0	0	1
Contig47994_RC	1	1	1	0	0	0
Contig48007_RC	1	1	1	1	0	0
Contig48014_RC	1	0	1	0	0	1
Contig48019_RC	1	0	1	0	0	1
Contig48021_RC	1	1	1	0	1	1
Contig48043_RC	1	1	1	1	1	1
Contig48057_RC	1	0	1	0	0	0
Contig48076_RC	1	0	1	0	0	1
Contig48177_RC	1	1	1	1	0	0
Contig48185_RC	1	0	1	0	1	0
Contig48208_RC	1	1	1	1	1	1
Contig48249_RC	1	0	1	1	1	1
Contig48256_RC	1	0	1	1	0	1
Contig48259_RC	1	0	1	0	0	0
Contig48267_RC	1	0	1	1	1	1

Contig48270_RC	1	0	1	1	0	1
Contig48278_RC	1	1	1	1	1	1
Contig48290_RC	1	0	1	0	0	1
Contig48295_RC	1	0	1	0	0	1
Contig48318_RC	1	1	1	1	0	1
Contig48358_RC	1	0	1	0	0	1
Contig48371	1	1	1	1	1	1
Contig48400_RC	1	0	1	0	0	0
Contig48406_RC	1	1	1	1	0	1
Contig48430_RC	1	0	1	0	1	1
Contig48436_RC	1	1	1	1	0	0
Contig48473_RC	1	0	0	0	0	0
Contig48480_RC	1	1	1	1	1	1
Contig48481	1	1	1	1	1	0
Contig48489_RC	1	0	1	0	0	1
Contig48494_RC	1	0	1	0	0	0
Contig48496_RC	0	0	0	0	0	1
Contig48506_RC	1	0	1	0	1	1
Contig48518_RC	1	0	1	0	0	0
Contig48521_RC	1	1	1	1	0	0
Contig48523_RC	1	0	1	1	0	0
Contig48542_RC	1	0	1	1	0	0
Contig48571_RC	1	0	1	1	0	1
Contig48613_RC	0	0	1	0	0	0
Contig48643_RC	1	0	1	0	1	0
Contig48653_RC	1	1	1	1	0	1
Contig48659_RC	1	0	1	1	1	1
Contig48712_RC	1	0	1	0	0	0
Contig48715_RC	1	1	1	1	1	1
Contig48722_RC	1	0	1	0	0	1
Contig48728_RC	1	0	1	0	1	1
Contig48764_RC	1	0	1	0	0	1
Contig48774_RC	1	1	1	1	1	1
Contig48799_RC	1	0	1	1	1	1
Contig48800_RC	1	0	1	1	1	1
Contig48806_RC	1	1	1	1	1	1
Contig48809_RC	1	1	1	0	0	1
Contig48824_RC	1	1	1	0	0	1
Contig48834_RC	1	0	1	0	1	1
Contig48835_RC	1	1	1	1	1	1
Contig48842_RC	0	0	0	0	0	1
Contig48852_RC	1	1	1	1	1	1
Contig48869_RC	1	0	1	1	1	1
Contig48877_RC	1	0	1	0	0	1
Contig48910_RC	1	0	0	0	0	0
Contig48913_RC	1	0	1	0	1	1
Contig48928_RC	1	0	1	0	0	1
Contig48931_RC	1	1	1	1	1	1
Contig48944_RC	1	1	1	0	0	1
Contig48945_RC	1	1	1	0	0	1
Contig48950_RC	1	0	1	0	1	0
Contig48954_RC	1	1	1	1	0	0

Contig48971_RC	1	0	1	0	0	0
Contig48983_RC	1	1	1	1	1	1
Contig48988_RC	1	1	1	1	0	1
Contig49000_RC	1	0	1	0	0	0
Contig49013_RC	1	1	1	1	0	1
Contig49038_RC	1	0	1	0	1	0
Contig49076_RC	1	1	1	1	0	0
Contig49095_RC	1	0	1	1	1	1
Contig49135_RC	1	0	1	1	0	1
Contig49139_RC	1	0	1	0	0	1
Contig49153	1	0	1	0	0	1
Contig49175_RC	1	0	1	1	1	1
Contig49181_RC	1	1	1	1	1	1
Contig49197_RC	1	0	1	0	0	0
Contig49255_RC	1	0	1	1	1	0
Contig49270_RC	1	1	1	0	1	1
Contig49273_RC	1	1	1	1	0	1
Contig49306_RC	1	1	1	1	1	1
Contig49319_RC	1	0	1	1	1	0
Contig49342_RC	1	1	1	1	1	1
Contig49369_RC	1	1	1	0	0	1
Contig49405_RC	1	0	1	0	0	0
Contig49409	1	0	1	1	1	1
Contig49422_RC	1	1	1	1	1	1
Contig49437_RC	1	0	1	0	0	0
Contig49461_RC	1	1	1	1	0	1
Contig49462_RC	1	0	1	1	1	1
Contig49468_RC	1	0	1	1	1	1
Contig49480_RC	1	0	1	0	0	0
Contig49512_RC	1	0	1	0	1	0
Contig49520_RC	1	1	1	1	1	1
Contig49532_RC	1	0	1	0	1	1
Contig49578_RC	1	0	1	1	0	1
Contig49589_RC	1	1	1	1	0	1
Contig49591_RC	1	1	1	1	0	1
Contig49606_RC	1	0	0	0	0	1
Contig49614_RC	1	0	1	1	1	0
Contig49652_RC	1	1	1	1	1	1
Contig49657_RC	1	0	1	1	0	0
Contig49670_RC	1	1	1	1	0	1
Contig49700_RC	1	1	1	1	0	1
Contig49707_RC	1	0	1	1	1	1
Contig49711_RC	1	1	1	1	1	1
Contig49723_RC	1	0	0	0	0	1
Contig49743_RC	1	0	1	1	1	1
Contig49756_RC	1	1	1	1	1	1
Contig49768_RC	1	0	1	1	1	1
Contig49789_RC	1	0	1	0	0	0
Contig49790_RC	1	0	1	0	1	1
Contig49806_RC	1	1	1	0	1	1
Contig49811_RC	0	1	0	0	0	1
Contig49835_RC	1	1	1	1	1	0

Contig49869_RC	1	0	1	0	0	1
Contig49890_RC	1	1	1	1	1	1
Contig49891_RC	1	0	1	0	1	1
Contig49910_RC	1	0	1	1	0	0
Contig49931_RC	1	0	1	0	0	1
Contig49943_RC	1	1	1	1	0	0
Contig50004_RC	1	1	1	0	1	1
Contig50013_RC	1	1	1	1	0	1
Contig50088_RC	1	1	1	1	1	0
Contig50106_RC	1	1	1	1	1	0
Contig50117_RC	1	0	1	0	1	1
Contig50129_RC	1	0	1	0	1	0
Contig50156_RC	1	0	1	0	0	0
Contig50173_RC	1	0	1	0	0	0
Contig50184_RC	1	1	1	1	1	0
Contig50189_RC	1	0	1	1	0	0
Contig50206_RC	1	0	1	0	0	0
Contig50228_RC	1	0	1	1	1	0
Contig50241_RC	1	1	1	1	1	1
Contig50249_RC	1	1	1	1	0	1
Contig50251_RC	1	0	1	0	0	0
Contig50276_RC	1	1	1	1	0	1
Contig50297_RC	1	1	1	1	0	0
Contig50324_RC	1	0	1	0	1	1
Contig50334_RC	1	1	1	0	1	1
Contig50355_RC	1	1	1	1	0	1
Contig50368	0	0	0	0	0	1
Contig50388_RC	1	0	1	0	0	1
Contig50391_RC	1	0	1	0	1	1
Contig50396_RC	1	1	1	1	1	1
Contig50403_RC	1	0	1	0	0	1
Contig50410	1	1	1	1	0	1
Contig50436_RC	1	0	1	0	0	0
Contig50483	1	1	1	1	0	0
Contig50486_RC	1	0	1	0	1	1
Contig50501_RC	1	1	1	1	1	1
Contig50523_RC	1	0	1	0	1	1
Contig50538_RC	1	1	1	0	1	1
Contig50584_RC	1	0	1	1	0	1
Contig50605_RC	1	1	1	1	0	1
Contig50628_RC	1	0	1	1	0	0
Contig50660_RC	1	0	1	0	1	0
Contig50666_RC	1	0	1	0	0	0
Contig50728_RC	1	1	1	1	1	1
Contig50731_RC	1	0	1	0	0	1
Contig50755_RC	1	0	1	1	0	1
Contig50769_RC	0	0	0	0	0	1
Contig50799_RC	1	0	1	1	0	0
Contig50815_RC	1	0	1	0	0	1
Contig50831_RC	1	1	1	1	0	1
Contig50836_RC	1	1	1	1	0	0
Contig50846_RC	1	1	1	1	0	0



Contig50850_RC	1	0	1	1	0	1
Contig50855_RC	1	0	1	1	0	1
Contig50883_RC	1	1	1	1	0	1
Contig50891_RC	1	0	1	1	1	1
Contig50905_RC	1	1	1	1	0	0
Contig50915_RC	1	0	1	0	0	0
Contig50921_RC	0	1	0	1	0	0
Contig50938_RC	0	0	0	0	0	1
Contig50939_RC	1	0	1	1	1	1
Contig50979_RC	1	1	1	1	1	1
Contig51006_RC	1	0	1	1	1	1
Contig51015_RC	1	0	1	0	1	1
Contig51018_RC	1	1	1	1	0	0
Contig51020_RC	1	0	1	0	1	1
Contig51058_RC	1	0	1	1	1	0
Contig51066_RC	1	1	1	1	0	0
Contig51068_RC	1	1	1	0	1	0
Contig51108_RC	1	1	1	1	0	1
Contig51138_RC	1	0	1	0	0	0
Contig51140_RC	1	0	1	1	0	1
Contig51153_RC	1	1	1	1	0	1
Contig51158_RC	1	0	1	1	0	1
Contig51174_RC	1	1	1	1	0	1
Contig51176_RC	1	1	1	1	1	1
Contig51208	1	0	1	0	0	0
Contig51235_RC	1	1	1	1	0	1
Contig51252	1	1	1	1	1	1
Contig51254_RC	1	1	1	1	0	0
Contig51291_RC	1	0	1	1	1	1
Contig51292_RC	1	1	1	1	0	1
Contig51293_RC	1	0	0	0	0	1
Contig51309_RC	1	0	1	0	0	0
Contig51328_RC	1	0	1	0	0	0
Contig51338_RC	1	0	1	0	0	0
Contig51339_RC	1	1	1	1	0	1
Contig51352_RC	1	0	1	0	0	0
Contig51353_RC	1	0	1	0	0	0
Contig51369_RC	1	1	1	1	1	1
Contig51373_RC	1	0	1	0	0	0
Contig51392_RC	1	0	1	0	1	1
Contig51400_RC	1	0	1	0	1	0
Contig51403_RC	1	1	1	0	0	1
Contig51441_RC	1	0	1	1	1	1
Contig51442_RC	1	0	1	1	1	1
Contig51449_RC	1	1	1	1	1	1
Contig51464_RC	1	1	1	0	1	1
Contig51486_RC	1	1	1	1	0	0
Contig51501_RC	1	1	1	1	0	1
Contig51519_RC	1	0	1	0	1	1
Contig51548_RC	1	0	1	0	1	1
Contig51555_RC	0	0	1	0	0	0
Contig51558_RC	1	0	1	0	0	1

Contig51583_RC	1	0	1	0	1	1
Contig51621_RC	1	0	1	0	1	1
Contig51625_RC	1	0	1	0	0	1
Contig51635_RC	1	0	1	1	0	1
Contig51652_RC	1	0	1	1	0	0
Contig51675_RC	1	0	1	0	0	1
Contig51687_RC	1	0	1	1	1	0
Contig51690_RC	1	0	1	0	0	1
Contig51723_RC	1	0	1	1	1	1
Contig51726_RC	1	1	1	0	1	1
Contig51732_RC	1	1	1	1	1	1
Contig51737_RC	1	0	1	1	1	1
Contig51764_RC	1	1	1	1	0	0
Contig51775_RC	1	0	1	0	1	0
Contig51802_RC	1	0	1	0	0	0
Contig51821_RC	1	1	1	1	0	1
Contig51828_RC	1	0	1	0	1	1
Contig51846_RC	1	1	1	1	0	1
Contig51888_RC	1	1	1	1	0	1
Contig51933_RC	1	0	1	1	1	1
Contig51940_RC	1	0	1	0	0	1
Contig51941_RC	1	1	1	0	0	1
Contig51943_RC	1	0	1	0	1	0
Contig51953_RC	1	0	1	0	0	0
Contig51966_RC	1	0	1	0	0	0
Contig51967_RC	1	1	1	1	0	1
Contig51974_RC	1	0	1	1	0	0
Contig51981_RC	1	1	1	1	1	0
Contig51986_RC	1	0	1	1	0	1
Contig51997_RC	1	0	1	0	0	1
Contig52074_RC	1	0	1	1	1	0
Contig52082_RC	1	1	1	1	0	0
Contig52095_RC	1	0	1	0	0	1
Contig52099_RC	1	0	1	0	1	0
Contig52114_RC	1	0	1	0	0	1
Contig52137_RC	1	1	1	1	1	1
Contig52147_RC	1	0	1	0	0	1
Contig52186_RC	1	0	1	1	1	1
Contig52214_RC	1	0	1	1	0	1
Contig52220_RC	1	0	1	1	0	1
Contig52221_RC	1	1	1	1	1	1
Contig52222_RC	1	0	1	0	0	1
Contig52224_RC	1	0	1	0	0	1
Contig52296_RC	1	0	1	0	0	0
Contig52305_RC	1	1	1	0	1	0
Contig52311_RC	1	1	1	1	1	0
Contig52320	1	0	1	1	0	0
Contig52358_RC	0	0	0	0	0	1
Contig52402_RC	1	1	1	0	0	0
Contig52405_RC	1	1	1	1	1	1
Contig52414_RC	1	0	1	0	0	0
Contig52425_RC	1	0	1	1	0	0

Contig52427_RC	1	1	1	1	0	0
Contig52430_RC	1	0	1	1	0	0
Contig52433_RC	1	1	1	1	0	1
Contig52441_RC	1	0	1	0	0	1
Contig52463_RC	1	1	1	0	1	1
Contig52494_RC	1	0	1	0	1	0
Contig52520_RC	1	1	1	1	1	0
Contig52525_RC	1	1	1	0	0	0
Contig52561_RC	1	1	1	1	1	1
Contig52570_RC	1	0	1	1	0	1
Contig52579_RC	1	0	1	1	0	1
Contig52593_RC	1	1	1	0	0	0
Contig52621_RC	1	1	1	1	1	1
Contig52629_RC	1	0	1	1	0	1
Contig52635_RC	1	0	1	0	0	1
Contig52639_RC	1	1	1	0	1	1
Contig52647_RC	1	1	1	1	0	0
Contig52672_RC	1	0	1	1	0	0
Contig52681_RC	0	0	0	0	0	1
Contig52684	1	0	1	0	0	1
Contig52687_RC	1	0	0	0	0	0
Contig52705_RC	1	1	1	1	0	1
Contig52708_RC	1	1	1	1	0	1
Contig52715_RC	1	1	1	1	1	1
Contig5274_RC	1	0	1	0	0	0
Contig52768_RC	1	1	1	1	1	1
Contig52770_RC	1	0	1	1	0	0
Contig52777_RC	1	1	1	1	0	1
Contig52786_RC	1	0	1	1	1	1
Contig52789_RC	1	0	1	1	0	0
Contig52814_RC	1	0	1	0	0	0
Contig52830_RC	1	1	1	1	1	1
Contig52839_RC	1	0	1	0	0	1
Contig52862_RC	1	0	1	1	0	1
Contig52881_RC	1	0	1	0	1	0
Contig52914_RC	1	1	1	1	1	1
Contig52937_RC	0	0	0	0	0	1
Contig52940_RC	1	1	1	1	0	1
Contig52957_RC	1	1	1	1	1	1
Contig52960_RC	1	0	1	0	0	1
Contig52963_RC	1	1	1	1	0	1
Contig52976_RC	1	0	1	1	1	1
Contig52981_RC	1	0	1	0	1	1
Contig52993_RC	1	1	1	1	1	1
Contig52994_RC	0	0	0	0	0	1
Contig53033_RC	0	0	0	1	0	0
Contig53038_RC	1	0	1	0	1	1
Contig53040_RC	1	0	0	0	0	1
Contig53048_RC	1	0	1	1	1	0
Contig53066_RC	1	0	1	0	1	0
Contig53080_RC	1	1	1	1	0	1
Contig53086_RC	1	0	1	1	1	1

Contig53126_RC	1	0	1	0	0	0
Contig53177_RC	1	0	1	0	1	1
Contig53191_RC	1	1	1	1	1	1
Contig53223	1	0	1	1	1	1
Contig53226_RC	1	1	1	1	1	1
Contig53242_RC	1	0	1	0	1	1
Contig53260_RC	1	0	1	1	1	1
Contig53265_RC	1	1	1	1	0	1
Contig53277_RC	1	1	1	1	0	0
Contig53281_RC	1	1	1	1	0	1
Contig53286_RC	1	1	1	1	0	0
Contig53296_RC	1	1	1	1	1	1
Contig53305_RC	1	0	1	0	0	1
Contig53323	1	1	1	0	1	1
Contig53342_RC	1	1	1	1	1	1
Contig53347_RC	1	0	1	0	0	1
Contig53364_RC	1	0	0	0	0	0
Contig53401_RC	1	1	1	0	0	1
Contig53406_RC	1	0	1	1	0	1
Contig53460_RC	1	0	1	0	1	1
Contig53471_RC	1	1	1	1	0	0
Contig53488	1	1	1	1	0	1
Contig53502_RC	1	0	1	1	1	1
Contig53508_RC	0	0	1	1	0	0
Contig53547_RC	1	0	1	0	0	0
Contig53551_RC	1	0	1	0	1	1
Contig53555_RC	1	1	1	1	1	1
Contig53581_RC	1	0	1	0	0	1
Contig53615_RC	1	1	1	1	0	1
Contig53619_RC	1	0	1	0	0	0
Contig53623_RC	1	0	1	0	1	1
Contig53629_RC	1	0	1	0	0	0
Contig53646_RC	1	1	1	1	1	1
Contig53661_RC	1	1	1	1	0	0
Contig53667_RC	1	0	1	0	1	1
Contig53674_RC	1	0	1	0	0	1
Contig53703_RC	1	0	1	1	0	0
Contig53709_RC	1	0	1	1	0	0
Contig53713_RC	1	1	1	1	1	1
Contig53719_RC	1	0	1	1	1	1
Contig53742_RC	1	1	1	1	0	1
Contig53750_RC	1	1	1	1	0	0
Contig53757_RC	1	0	1	0	1	1
Contig53766_RC	1	0	1	0	0	0
Contig53777_RC	1	1	1	1	1	1
Contig53804_RC	1	1	1	1	1	1
Contig53819_RC	1	0	1	0	0	0
Contig53823_RC	1	0	1	1	1	1
Contig53838_RC	0	0	0	1	0	0
Contig5384_RC	1	0	1	0	1	1
Contig53852_RC	1	1	1	1	1	1
Contig53870_RC	1	0	1	0	0	1

Contig53881_RC	1	1	1	1	0	1
Contig5392_RC	1	1	1	1	0	1
Contig53952_RC	1	0	1	1	1	1
Contig53953_RC	1	0	1	0	0	1
Contig53962_RC	1	0	1	1	1	1
Contig53965_RC	1	0	1	1	1	1
Contig53969_RC	1	1	1	0	1	1
Contig54012_RC	1	0	1	0	0	1
Contig5403_RC	1	0	1	1	0	0
Contig54056_RC	1	1	1	1	0	1
Contig54076_RC	1	0	1	0	1	0
Contig54110_RC	1	0	1	0	1	0
Contig54130_RC	1	1	1	1	1	1
Contig54137_RC	1	0	1	1	1	1
Contig54142_RC	1	0	1	1	0	1
Contig54159_RC	1	0	1	0	0	0
Contig54169_RC	1	1	1	1	0	1
Contig54180	1	0	1	1	0	1
Contig54206_RC	1	1	1	1	0	1
Contig54232_RC	1	0	1	1	1	1
Contig54258_RC	1	1	1	1	0	1
Contig54259_RC	1	1	1	0	0	1
Contig54274_RC	1	0	1	0	1	0
Contig54294_RC	1	0	1	1	0	0
Contig54295_RC	1	1	1	1	1	1
Contig54300_RC	1	0	1	1	1	1
Contig5432_RC	1	1	1	1	1	1
Contig54335_RC	1	0	1	0	1	1
Contig54340_RC	1	0	1	0	1	0
Contig54365_RC	1	0	1	0	0	0
Contig54391_RC	1	1	1	1	0	1
Contig54395_RC	1	0	1	0	0	0
Contig54403	1	0	1	0	1	1
Contig54414_RC	1	1	1	1	0	0
Contig54420_RC	1	0	1	0	1	1
Contig54463_RC	1	0	1	0	1	1
Contig54491_RC	1	1	1	1	1	1
Contig54503_RC	1	0	1	0	1	1
Contig54518_RC	1	0	1	0	0	0
Contig54531_RC	1	0	1	0	0	1
Contig54534_RC	1	0	1	1	0	0
Contig54536	1	1	1	0	0	1
Contig54540_RC	1	0	1	0	0	0
Contig54544_RC	0	0	0	0	0	1
Contig5455_RC	1	1	1	1	1	0
Contig54576_RC	1	1	1	1	0	0
Contig54581_RC	1	0	1	1	0	1
Contig54650_RC	1	0	1	0	0	1
Contig54661_RC	1	1	1	1	0	0
Contig54676_RC	1	1	1	1	1	1
Contig54698_RC	1	1	1	1	0	0
Contig54716_RC	1	0	1	1	1	1

Contig54718_RC	1	1	1	1	1	0
Contig5471_RC	1	0	0	0	0	1
Contig54726_RC	1	1	1	1	0	0
Contig54727_RC	0	0	1	0	0	0
Contig54745_RC	1	1	1	1	0	0
Contig54757_RC	1	1	1	1	0	1
Contig54758_RC	1	0	1	0	0	1
Contig54761_RC	1	1	1	1	1	1
Contig54860_RC	1	0	1	1	1	1
Contig54898_RC	1	0	1	0	1	1
Contig5489_RC	1	1	1	0	0	1
Contig54907_RC	1	1	1	1	1	1
Contig54915_RC	1	0	1	1	1	1
Contig54933_RC	1	0	1	1	1	1
Contig54946_RC	1	0	1	0	1	1
Contig54961_RC	1	1	1	1	0	1
Contig54968_RC	1	1	1	1	0	0
Contig54980_RC	1	1	1	0	0	1
Contig54999_RC	1	0	1	0	1	1
Contig55022_RC	1	1	1	1	1	1
Contig55046_RC	1	0	1	1	0	1
Contig55048_RC	1	0	1	0	0	0
Contig55070_RC	1	0	1	0	1	0
Contig55114_RC	1	0	1	1	1	0
Contig55134_RC	1	0	1	0	1	0
Contig5513_RC	1	0	1	1	0	1
Contig55144_RC	1	0	1	0	0	1
Contig55181_RC	1	0	1	0	0	0
Contig55193_RC	1	1	1	0	1	1
Contig55201_RC	1	0	1	1	0	0
Contig55214_RC	1	0	1	1	1	1
Contig55221_RC	0	0	1	0	0	0
Contig55228_RC	1	1	1	1	0	1
Contig55234_RC	1	1	1	1	0	1
Contig55242_RC	1	0	1	0	0	0
Contig55248_RC	1	1	1	1	0	1
Contig55263_RC	1	1	1	1	0	1
Contig55268_RC	1	0	1	0	0	1
Contig55296_RC	1	0	1	0	0	1
Contig55327_RC	1	0	1	0	1	1
Contig55332_RC	1	0	1	0	1	1
Contig55334_RC	1	1	1	1	0	1
Contig55339_RC	1	0	1	0	1	0
Contig55351_RC	1	0	1	0	0	1
Contig55446_RC	1	0	1	0	0	1
Contig55487_RC	1	1	1	1	1	1
Contig55539_RC	1	1	1	1	1	0
Contig55540_RC	1	0	1	1	1	1
Contig55542_RC	1	0	1	0	1	0
Contig55558_RC	1	1	1	1	0	1
Contig55562_RC	1	0	1	0	0	1
Contig5556_RC	1	0	1	0	0	1

Contig55574_RC	1	1	1	1	1	0
Contig55580_RC	1	0	1	0	1	1
Contig55583_RC	0	1	0	0	0	0
Contig5559_RC	1	0	1	0	0	1
Contig55625_RC	1	0	1	0	0	0
Contig55671_RC	1	0	1	0	1	0
Contig55700_RC	1	1	1	1	0	1
Contig55704_RC	1	0	1	0	0	0
Contig55709_RC	1	0	1	0	1	1
Contig55727_RC	1	1	1	0	0	1
Contig55734_RC	1	0	1	1	1	1
Contig55749_RC	1	0	1	0	0	0
Contig55759_RC	1	0	1	0	0	1
Contig55764_RC	1	1	1	1	0	1
Contig55766_RC	1	0	1	1	1	0
Contig55770_RC	1	0	1	0	0	0
Contig55785_RC	1	0	1	1	0	1
Contig55789_RC	1	0	1	0	0	1
Contig55814_RC	1	1	1	1	0	0
Contig55834_RC	1	0	1	1	1	0
Contig55883_RC	1	1	1	1	1	0
Contig55886_RC	1	0	1	0	0	1
Contig55944_RC	1	0	1	0	1	1
Contig55973_RC	1	0	1	1	1	0
Contig55984_RC	1	1	1	1	1	1
Contig55990_RC	1	0	1	0	0	1
Contig55991_RC	1	0	1	0	1	1
Contig55997_RC	1	1	1	1	1	1
Contig55_RC	1	0	1	1	1	0
Contig56007_RC	1	0	1	1	1	1
Contig56010_RC	1	1	1	0	0	1
Contig56026_RC	1	1	1	1	1	1
Contig56030_RC	1	1	1	1	0	1
Contig56036_RC	1	0	1	1	1	1
Contig56093_RC	1	0	1	0	1	0
Contig56096	1	0	1	1	0	1
Contig56099_RC	1	0	1	0	0	1
Contig56154_RC	1	0	1	0	0	0
Contig56160_RC	1	1	1	1	1	1
Contig5621_RC	1	0	1	0	0	1
Contig56229	1	0	1	1	1	1
Contig56257_RC	1	0	1	0	0	1
Contig56261_RC	1	1	1	1	1	0
Contig56262_RC	1	0	1	1	1	0
Contig56270_RC	1	1	1	1	1	1
Contig56276_RC	1	0	1	0	1	1
Contig56288_RC	1	0	1	1	1	1
Contig56303_RC	1	0	1	1	0	1
Contig56338_RC	1	0	1	0	0	1
Contig5636_RC	0	0	1	0	0	0
Contig56422_RC	1	0	0	0	0	1
Contig56434_RC	0	0	1	0	0	0

Contig56469_RC	1	1	1	1	1	1
Contig56513_RC	1	0	0	0	0	1
Contig56518_RC	1	0	1	1	0	0
Contig56541_RC	1	1	1	1	0	1
Contig56583_RC	1	1	1	1	1	1
Contig565_RC	1	0	1	0	0	0
Contig56611_RC	1	0	1	0	0	1
Contig56619	1	0	1	1	1	1
Contig56670_RC	1	1	1	1	0	1
Contig56678_RC	0	0	0	0	0	1
Contig56689_RC	1	1	1	1	1	1
Contig56699_RC	1	0	1	0	0	0
Contig56735_RC	1	0	1	1	1	1
Contig56768_RC	1	1	1	1	0	0
Contig56777_RC	1	1	1	1	0	1
Contig56848_RC	1	0	1	0	0	1
Contig56857_RC	1	1	1	0	0	0
Contig56888_RC	1	0	1	0	1	0
Contig56959_RC	1	1	1	0	0	1
Contig569_RC	1	1	1	1	1	1
Contig57034_RC	1	1	1	1	0	1
Contig57036_RC	1	1	1	1	0	1
Contig57056_RC	1	0	1	0	1	0
Contig57080_RC	1	0	1	0	1	1
Contig57081_RC	1	1	1	1	1	1
Contig57090_RC	1	1	1	1	1	1
Contig57091_RC	1	0	1	1	0	0
Contig57101_RC	1	0	1	0	1	1
Contig57142_RC	1	0	1	1	0	0
Contig5716_RC	1	1	1	1	0	0
Contig57172_RC	1	0	1	0	1	1
Contig57174_RC	1	1	1	1	0	1
Contig57201_RC	1	1	1	1	1	0
Contig57222_RC	1	0	1	0	0	1
Contig57226_RC	1	0	1	0	0	0
Contig57230_RC	1	0	1	0	0	1
Contig57231_RC	1	1	1	1	0	1
Contig57239_RC	1	1	1	1	0	1
Contig57270_RC	1	0	1	1	1	0
Contig57290_RC	1	0	1	1	0	1
Contig57330_RC	1	0	1	0	0	1
Contig57359_RC	1	0	1	0	0	0
Contig57398_RC	1	1	1	1	0	0
Contig57418_RC	1	0	1	0	0	0
Contig57419_RC	1	1	1	1	1	1
Contig57421_RC	1	0	1	1	1	1
Contig57438_RC	1	1	1	0	1	1
Contig57441_RC	1	0	1	0	1	0
Contig57480_RC	1	0	1	1	1	1
Contig57494_RC	1	0	1	1	0	0
Contig57496_RC	1	0	1	0	0	0
Contig57562_RC	1	0	1	1	0	1



Contig57582_RC	1	1	1	1	1	1
Contig57586_RC	1	0	1	1	0	1
Contig57595	1	0	1	0	0	0
Contig575_RC	1	0	1	0	0	0
Contig57644_RC	1	0	1	0	0	1
Contig57645_RC	1	1	1	1	1	1
Contig57662_RC	1	1	1	1	0	0
Contig57694_RC	1	0	1	1	1	1
Contig57726_RC	1	1	1	1	0	0
Contig57822_RC	1	0	1	1	1	1
Contig57840_RC	1	1	1	1	0	1
Contig57864_RC	1	1	1	1	0	0
Contig57877_RC	1	0	1	0	1	0
Contig57896_RC	1	1	1	1	1	1
Contig57903_RC	1	1	1	1	0	1
Contig57908_RC	1	0	1	1	0	0
Contig57957_RC	1	0	1	0	0	0
Contig58029_RC	1	1	1	1	1	0
Contig58042_RC	1	1	1	1	1	1
Contig58064_RC	1	1	1	1	0	1
Contig58107_RC	1	1	1	0	1	1
Contig58121_RC	1	0	1	1	1	1
Contig58145_RC	1	1	1	1	1	1
Contig58182_RC	1	0	1	1	1	1
Contig58193_RC	1	1	1	1	1	1
Contig58214_RC	1	0	1	0	0	0
Contig58236_RC	1	0	1	1	1	1
Contig58239_RC	1	1	1	1	0	1
Contig58275_RC	1	0	1	0	1	1
Contig58279_RC	1	1	1	1	0	1
Contig58322_RC	1	0	1	0	0	1
Contig58333	1	0	1	0	1	1
Contig58339_RC	1	0	1	0	1	1
Contig58353_RC	1	0	1	1	1	1
Contig58397_RC	1	1	1	1	1	1
Contig58430_RC	1	0	1	0	0	0
Contig58446_RC	1	0	0	0	0	1
Contig58471_RC	1	1	1	1	0	1
Contig58475_RC	1	0	0	0	0	1
Contig58491_RC	1	0	1	0	0	1
Contig58514_RC	1	0	1	1	0	0
Contig58637_RC	1	0	1	1	1	1
Contig58966_RC	1	0	1	1	1	1
Contig59080	1	0	1	1	0	0
Contig59090_RC	1	1	1	1	0	1
Contig59127_RC	1	0	1	0	1	1
Contig59210_RC	1	0	1	0	1	0
Contig59481_RC	1	0	1	1	1	1
Contig5954_RC	1	0	1	0	1	0
Contig59612_RC	1	0	1	0	0	0
Contig598_RC	1	0	1	0	0	0
Contig6013_RC	1	0	1	0	0	0

Contig60150_RC	1	0	1	0	0	0
Contig60157_RC	1	0	1	0	0	0
Contig60194_RC	1	0	1	1	0	1
Contig60301_RC	1	0	1	0	1	1
Contig60553	0	0	0	0	0	1
Contig6064_RC	1	0	1	0	0	1
Contig60864_RC	1	0	1	0	1	1
Contig60981_RC	1	1	1	1	0	1
Contig61139_RC	1	1	1	1	1	1
Contig61113_RC	1	0	1	0	0	1
Contig61229_RC	1	0	1	0	0	0
Contig61254_RC	1	0	1	0	1	1
Contig61265_RC	1	0	1	0	0	0
Contig61320_RC	1	0	1	0	0	1
Contig61325	1	0	1	1	1	1
Contig6146_RC	1	0	1	0	0	1
Contig6164_RC	1	0	1	0	0	1
Contig6167_RC	1	1	1	1	0	1
Contig61770_RC	1	1	1	1	0	1
Contig61815	1	0	1	0	1	0
Contig61824_RC	1	1	1	0	1	0
Contig61848_RC	1	1	1	1	1	1
Contig6200_RC	1	1	0	0	0	0
Contig62149_RC	1	1	1	1	1	1
Contig6238_RC	1	0	1	0	0	1
Contig62588_RC	1	1	1	1	1	1
Contig62675_RC	1	0	1	1	0	1
Contig6270_RC	1	1	1	1	1	1
Contig6273_RC	1	1	1	1	1	1
Contig62901_RC	1	0	1	0	0	0
Contig62923_RC	1	0	1	0	0	0
Contig62964_RC	1	0	1	0	0	0
Contig63026	1	1	1	1	1	0
Contig63036	1	0	1	1	1	1
Contig63171_RC	1	1	1	1	0	1
Contig6323_RC	1	1	1	1	0	1
Contig63300_RC	1	0	1	0	0	1
Contig63302_RC	1	1	1	1	0	1
Contig63304	1	0	1	0	1	0
Contig6333_RC	1	0	1	1	0	1
Contig6352_RC	1	1	1	1	0	1
Contig63566_RC	1	0	1	0	0	1
Contig63625_RC	1	0	1	0	0	0
Contig63649_RC	1	1	1	0	0	0
Contig63683_RC	1	1	1	0	1	1
Contig63748_RC	1	0	0	0	0	0
Contig63754_RC	0	0	0	0	0	1
Contig63811_RC	1	0	1	1	1	1
Contig6382_RC	1	1	1	1	0	1
Contig64477	1	1	1	1	0	0
Contig64502	1	0	1	1	1	1
Contig64539_RC	1	1	1	1	1	1

Contig6456_RC	1	0	1	0	0	1
Contig64775_RC	1	1	1	1	0	1
Contig64828_RC	1	1	1	1	0	1
Contig6498	1	1	1	1	0	0
Contig64_RC	1	1	1	1	0	1
Contig6514_RC	1	1	1	1	1	1
Contig65156_RC	1	0	1	0	0	0
Contig65227	1	0	1	0	1	1
Contig6529_RC	1	0	1	0	0	1
Contig65300_RC	1	1	1	1	1	1
Contig65401_RC	1	1	1	1	0	0
Contig65459_RC	1	0	1	1	0	0
Contig65600_RC	1	0	1	0	0	1
Contig6568_RC	1	0	1	1	1	1
Contig65934_RC	1	0	1	1	0	0
Contig65966_RC	1	1	1	1	0	0
Contig659_RC	1	1	1	1	1	0
Contig66028_RC	1	1	1	1	0	1
Contig66072	1	0	1	1	1	1
Contig6610_RC	1	0	1	0	0	1
Contig6615_RC	0	0	0	0	0	1
Contig6641_RC	1	0	1	1	1	1
Contig6654_RC	1	0	1	0	0	0
Contig66573_RC	1	1	1	1	1	1
Contig66615_RC	1	0	1	0	0	0
Contig66632_RC	1	0	1	1	1	1
Contig667_RC	1	1	1	1	0	0
Contig66868_RC	1	0	1	1	1	1
Contig66916_RC	1	0	1	0	0	1
Contig67169_RC	1	0	1	0	1	1
Contig67174_RC	1	0	1	0	0	1
Contig6719_RC	1	0	1	1	0	0
Contig67230_RC	1	0	1	1	1	1
Contig67249_RC	1	1	1	1	0	1
Contig6742_RC	1	1	1	1	0	0
Contig678_RC	1	1	1	1	1	1
Contig6832_RC	1	0	1	0	0	1
Contig684_RC	1	0	1	0	0	0
Contig6882	1	1	1	1	0	0
Contig688_RC	1	0	1	1	0	1
Contig693_RC	1	0	1	0	0	1
Contig706_RC	0	0	1	0	0	0
Contig718_RC	1	1	1	1	1	1
Contig719_RC	1	0	1	1	0	1
Contig7245_RC	1	1	1	0	0	1
Contig729_RC	1	1	1	0	1	1
Contig7412_RC	1	0	1	0	0	1
Contig7415_RC	1	0	1	0	0	0
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Contig749_RC	1	0	1	0	1	1
Contig753_RC	1	1	1	1	1	1
Contig7545_RC	1	0	0	0	0	1

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Contig773	1	0	1	1	0	0
Contig784_RC	1	0	1	1	1	1
Contig78_RC	1	0	1	1	0	1
Contig7974_RC	1	0	1	1	0	0
Contig8125_RC	1	1	1	1	0	0
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Contig8963_RC	1	0	1	1	0	0
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Contig8985_RC	1	0	1	1	0	1
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Contig9030_RC	1	0	1	1	0	0
Contig9042_RC	1	0	1	0	0	1
Contig9053_RC	1	0	1	0	0	0
Contig9136_RC	1	1	1	1	0	0
Contig9227	1	0	1	0	0	0
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Contig924_RC	1	1	1	1	1	1
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Contig9380_RC	1	0	1	1	0	0
Contig9514_RC	1	0	1	0	0	1
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Contig9714_RC	1	0	1	0	1	1
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Contig9770_RC	1	0	1	0	0	0
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RSE_00000043877	1	1	0	0	0	1
RSE_00000067763	1	1	1	1	0	0
RSE_00000073302	1	0	1	0	0	0
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**Supplementary Table 3**

<b>GO Biological Process</b>	<b>size of GO term</b>	<b>overlap</b>	<b>p_value</b>
induction of apoptosis	719	458	4.70E-09
induction of programmed cell death	722	459	6.94E-09
positive regulation of apoptosis	815	506	5.30E-08
positive regulation of programmed cell death	821	509	1.56E-07
cell activation	721	451	1.59E-07
leukocyte activation	612	384	4.48E-06
positive regulation of developmental process	1031	615	1.56E-05
macromolecule localization	1407	819	2.74E-05
induction of apoptosis by extracellular signals	132	99	2.94E-05
RNA processing	594	369	4.93E-05
cytokine production	417	268	5.57E-05
ribonucleoprotein complex biogenesis and assembly	303	201	9.28E-05
lymphocyte activation	484	305	0.000114
protein localization	1341	773	0.000648
establishment of protein localization	1192	692	0.000702
T cell activation	333	215	0.000785
nucleocytoplasmic transport	336	216	0.001195
protein transport	1164	675	0.001227
nuclear transport	339	217	0.001798
hemopoiesis	630	381	0.001835
immune system development	676	406	0.002263
hemopoietic or lymphoid organ development	651	390	0.005244
RNA modification	60	48	0.007188
regulation of nucleocytoplasmic transport	88	66	0.0076
I-kappaB kinase/NF-kappaB cascade	342	216	0.007792
mRNA metabolic process	388	242	0.00828
protein targeting	486	297	0.008752
intracellular protein transport	737	436	0.008787
intracellular transport	1182	677	0.01194
mitochondrion organization and biogenesis	199	132	0.018546
myeloid leukocyte activation	157	107	0.021234
ncRNA processing	169	114	0.023259
regulation of intracellular transport	101	73	0.023285
regulation of transcription factor import into nucleus	62	48	0.037924
cytokine secretion	97	70	0.038352
regulation of protein import into nucleus	73	55	0.039066
regulation of intracellular protein transport	81	60	0.040692
transcription factor import into nucleus	67	51	0.048169

## Supplementary Table 4

Transcript_ID
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AB040959
AB051484
AB051514
AF052118
AF103458
AF147347
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AK023526
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BC001437
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Contig26674_RC
Contig28226_RC
Contig28319_RC
Contig28762_RC
Contig29509_RC
Contig32137_RC
Contig32322_RC
Contig33760_RC
Contig33979_RC
Contig40530
Contig41560_RC
Contig43534
Contig43613_RC
Contig43703_RC
Contig45195_RC
Contig45786_RC
Contig47308_RC
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Contig52405_RC
Contig52525_RC
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Contig55487_RC
Contig57903_RC
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Contig65401_RC
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NM_145021
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NM_152320
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NM_152542
NM_152765
NM_152860
NM_153000
NM_153236
NM_153252
NM_153706
NM_173625
NM_182566
NM_182686

**Supplementary Table 5a**

Time point	Clinical trait	number of DE	number of correlated genes	overlap	p-value
3	ALAT	1874	367	64	2.96E-05
3	BMI	1874	673	93	0.003167
3	Diastolic	1874	114	25	0.001739
3	Systolic	1874	71	19	0.000777
3	Weight	1874	693	101	0.000166
4	BMI	1880	673	121	5.08E-11
4	HDLCHOL	1880	140	27	0.009365
4	INS	1880	379	63	0.000208
4	LEP	1880	487	88	4.91E-08
4	PBF	1880	401	61	0.004336
4	TAG	1880	149	28	0.011368
4	Weight	1880	693	114	6.26E-08
5	BMI	3571	673	192	8.48E-11
5	INS	3571	379	96	0.005446
5	LEP	3571	487	134	2.11E-06
5	TAG	3571	149	50	0.000105
5	Weight	3571	693	194	2.15E-10
6	ALAT	3589	367	90	0.032124
6	BMI	3589	673	161	0.001478
6	INS	3589	379	97	0.004045
6	LEP	3589	487	122	0.001567
6	TAG	3589	149	49	0.000289
6	Weight	3589	693	164	0.002293
7	ALAT	1260	367	52	1.26E-06
7	BMI	1260	673	95	2.73E-12
7	INS	1260	379	70	2.55E-10
7	LEP	1260	487	63	1.53E-06
7	TAG	1260	149	21	0.017327
7	Weight	1260	693	90	1.24E-09

**Supplementary Table 5b**

<b>Time point</b>	<b>Clinical trait</b>	<b>number of DC</b>	<b>number of correlated genes</b>	<b>overlap</b>	<b>p-value</b>
2	Hip	161	2437	37	0.0035532
3	BFM	3227	2686	799	1.77E-81
3	BLM	3227	2726	813	2.81E-11
3	CRE	3227	798	242	8.44E-10
3	GHR	3227	2431	735	2.15E-77
3	GLR	3227	2504	760	2.31E-81
3	GLUC	3227	357	119	1.84E-14
3	Hip	3227	2437	716	4.62E-69
4	BFM	195	2686	56	5.29E-07
4	BLM	195	2726	55	2.35E-06
4	GHR	195	2431	56	1.10E-08
4	GLR	195	2504	57	1.21E-08
4	Hip	195	2437	52	9.95E-07
7	BFM	840	2686	151	0.003003
7	BLM	840	2726	156	0.0008736
7	GHR	840	2431	136	0.00909632
7	GLR	840	2504	138	0.0155207
7	Hip	840	2437	137	0.00693428

**Supplementary Table 6**

<b>Module</b>	<b>Module size</b>	<b>GO Biological Process</b>
1	721	ubiquitin cycle
2	542	embryonic development
2	542	keratinization
3	586	mRNA metabolic process
3	586	mRNA processing
3	586	ribonucleoprotein complex assembly
3	586	ribonucleoprotein complex biogenesis and assembly
3	586	RNA processing
3	586	RNA splicing
3	586	spliceosome assembly
4	596	RNA processing
7	274	cytokine and chemokine mediated signaling pathway
7	274	defense response
7	274	response to bacterium
9	215	mRNA metabolic process
9	215	mRNA processing
9	215	nuclear mRNA splicing, via spliceosome
9	215	RNA processing
9	215	RNA splicing
9	215	RNA splicing, via transesterification reactions
9	215	RNA splicing, via transesterification reactions with bulged adenosine as nucleophile
10	115	G-protein coupled receptor protein signaling pathway
10	115	negative regulation of secretion
12	161	translation
13	155	negative regulation of transcription
19	23	cellular biosynthetic process
19	23	translation
19	23	translational elongation

size of GO term	overlap	p_value
510	47	0.000971989
541	37	0.0227166
38	8	0.0446116
388	36	0.000143599
325	31	0.000646871
173	19	0.0174332
303	27	0.0135847
594	49	2.81E-05
336	34	4.02E-05
70	12	0.00891987
594	48	0.000127367
246	20	6.64E-06
1136	39	0.0120597
340	20	0.00140139
388	17	0.019182
325	16	0.00821955
175	11	0.0298349
594	23	0.00395624
336	17	0.00279531
175	11	0.0298349
175	11	0.0298349
1054	20	0.0498956
72	6	0.0192168
519	19	0.000991342
837	21	0.0494528
1423	10	0.0141082
519	10	1.03E-06
108	8	1.93E-09

**Supplementary Table 7**

<b>Module</b>	<b>Module size</b>	<b>GO Biological Process</b>	<b>size of GO term</b>
1	1938	establishment of protein localization	1192
1	1938	establishment of RNA localization	113
1	1938	intracellular protein transport	737
1	1938	intracellular protein transport across a membrane	70
1	1938	intracellular transport	1182
1	1938	macromolecule localization	1407
1	1938	mRNA transport	90
1	1938	ncRNA processing	169
1	1938	nuclear transport	339
1	1938	nucleic acid transport	118
1	1938	nucleobase, nucleoside, nucleotide and nucleic acid transport	146
1	1938	nucleocytoplasmic transport	336
1	1938	protein localization	1341
1	1938	protein transport	1164
1	1938	ribonucleoprotein complex biogenesis and assembly	303
1	1938	ribosome biogenesis and assembly	140
1	1938	RNA localization	120
1	1938	RNA processing	594
1	1938	RNA transport	113
1	1938	rRNA metabolic process	93
1	1938	rRNA processing	88
3	636	cell-cell signaling	1038
3	636	neurological system process	1123
3	636	tissue development	524
4	556	cellular biosynthetic process	1423
4	556	ribonucleoprotein complex biogenesis and assembly	303
4	556	T cell activation	333
4	556	translation	519
8	140	ubiquitin cycle	510
12	87	regulation of RNA splicing	25
18	60	membrane budding	33

<b>overlap</b>	<b>p_value</b>
181	0.0423122
39	1.46E-07
129	0.0005995
24	0.0007579
187	0.0021828
224	9.83E-05
29	0.0002227
44	0.0001829
65	0.032012
40	1.42E-07
42	1.56E-05
64	0.0460017
207	0.0032851
179	0.0222567
64	0.0012877
38	0.0004306
41	6.89E-08
113	3.92E-05
39	1.46E-07
29	0.000493
27	0.0018255
74	0.0001123
71	0.0172661
40	0.0322012
83	0.0002623
25	0.0456123
27	0.0294844
52	1.15E-09
15	0.0420748
4	0.0157921
4	0.0112541



**Supplementary Table 8**

<b>module</b>	<b>size</b>	<b>trait name</b>	<b>total correlated genes</b>	<b>correlated genes in the module</b>	<b>corrected p value</b>
1	887	Alanine aminotransferase (ALT)	32	7	0.0063319
2	675	Diastolic Blood Pressure	470	118	6.14E-10
8	246	Max Hip Circumference	22	5	0.00011183
8	246	Diastolic Blood Pressure	470	136	8.72E-11
9	236	Diastolic Blood Pressure	470	19	1.22E-05
10	149	Diastolic Blood Pressure	470	28	7.13E-18

**Supplementary Table 9**

<b>module</b>	<b>size</b>	<b>trait name</b>	<b>total correlated genes</b>	<b>correlated genes in the module</b>	<b>corrected p-value</b>
1	2258	Glucose	22	13	4.82E-07
9	129	Max Waist Circumference	93	6	0.0005084
9	129	Systolic Blood Pressure	151	14	4.42E-12
9	129	Diastolic Blood Pressure	210	11	9.31E-07
11	112	Max Waist Circumference	93	18	7.84E-23
11	112	Systolic Blood Pressure	151	18	7.83E-19
11	112	Diastolic Blood Pressure	210	31	1.44E-10
13	98	Diastolic Blood Pressure	210	11	5.11E-08
15	106	Alanine aminotransferase (ALT)	12	4	7.71E-06
15	106	Max Hip Circumference	15	3	0.0016075
15	106	Systolic Blood Pressure	151	19	7.23E-21
15	106	Diastolic Blood Pressure	210	57	1.01E-09