

Supplementary Table 2. List of differentially expressed plasma circRNAs identified in T1DM by microarray

circRNA	Regulation	Fold-change	P value	FDR	Chromosome	Type	Gene symbol
hsa_circRNA_059571	Up	3.84	0.000153	0.216501	chr20	Exonic	<i>RALGAPA2</i>
hsa_circRNA_101062	Up	3.78	0.008856	0.379897	chr12	Exonic	<i>CSRNP2</i>
hsa_circRNA_050263	Up	3.78	0.038728	0.430995	chr19	Exonic	<i>ATP13A1</i>
hsa_circRNA_100332	Up	3.66	0.017127	0.385583	chr1	Exonic	<i>PIP5K1A</i>
hsa_circRNA_085129	Up	3.57	0.006404	0.356814	chr8	Exonic	<i>ANKRD46</i>
hsa_circRNA_400229	Up	3.57	0.014918	0.385583	chr1	Exonic	<i>OSBPL9</i>
hsa_circRNA_005178	Up	3.50	0.039998	0.432337	chr14	Exonic	<i>CDC42BPB</i>
hsa_circRNA_103845	Up	3.41	0.047961	0.442261	chr5	Exonic	<i>PDE4D</i>
hsa_circRNA_406276	Up	3.29	0.016040	0.385583	chr3	Exonic	<i>PFKFB4</i>
hsa_circRNA_104480	Up	3.19	0.018735	0.385583	chr7	Exonic	<i>NRF1</i>
hsa_circRNA_100197	Up	3.11	0.014214	0.385583	chr1	Exonic	<i>ERI3</i>
hsa_circRNA_101089	Up	3.05	0.001149	0.268093	chr12	Exonic	<i>MARS</i>
hsa_circRNA_101018	Up	3.03	0.011160	0.379897	chr12	Exonic	<i>ATF7IP</i>
hsa_circRNA_083530	Up	2.94	0.012537	0.383331	chr8	Exonic	<i>XPO7</i>
hsa_circRNA_101175	Up	2.87	0.008487	0.379897	chr12	Exonic	<i>RNF10</i>
hsa_circRNA_000336	Up	2.79	0.000893	0.268093	chr11	Exonic	<i>CPT1A</i>
hsa_circRNA_077582	Up	2.78	0.003337	0.318927	chr6	Exonic	<i>CD164</i>
hsa_circRNA_103567	Up	2.70	0.010986	0.379897	chr3	Exonic	<i>DLG1</i>
hsa_circRNA_009012	Up	2.62	0.000409	0.216501	chr7	Sense overlapping	<i>STX1A</i>
hsa_circRNA_028904	Up	2.62	0.006211	0.356814	chr12	Exonic	<i>RNF10</i>
hsa_circRNA_402893	Up	2.56	0.010260	0.379897	chr3	Exonic	<i>PTPRG</i>
hsa_circRNA_001594	Up	2.54	0.006861	0.368864	chr3	Antisense	<i>PXYLP1</i>
hsa_circRNA_102899	Up	2.51	0.017395	0.385583	chr2	Exonic	<i>PARD3B</i>
hsa_circRNA_001229	Up	2.49	0.000439	0.216501	chr22	Sense overlapping	<i>NOL12</i>
hsa_circRNA_404474	Up	2.44	0.014337	0.385583	chr1	Exonic	<i>TRIM62</i>
hsa_circRNA_091000	Up	2.44	0.027598	0.415878	chrX	Exonic	<i>NONO</i>
hsa_circRNA_016661	Up	2.43	0.006985	0.368864	chr1	Exonic	<i>ENAH</i>
hsa_circRNA_102070	Up	2.42	0.028919	0.415917	chr17	Exonic	<i>NT5C3B</i>
hsa_circRNA_031210	Up	2.38	0.000560	0.216501	chr14	Exonic	<i>DAD1</i>
hsa_circRNA_000590	Up	2.36	0.000584	0.216501	chr15	Sense overlapping	<i>SLC12A6</i>
hsa_circRNA_103126	Up	2.36	0.011317	0.379897	chr21	Exonic	<i>PIGP</i>
hsa_circRNA_400230	Up	2.29	0.047723	0.442261	chr1	Exonic	<i>NRD1</i>
hsa_circRNA_103356	Up	2.24	0.010939	0.379897	chr3	Exonic	<i>SMARCC1</i>
hsa_circRNA_103355	Up	2.24	0.009381	0.379897	chr3	Exonic	<i>SMARCC1</i>
hsa_circRNA_103445	Up	2.21	0.023082	0.404967	chr3	Exonic	<i>HGD</i>
hsa_circRNA_100844	Up	2.21	0.014630	0.385583	chr11	Exonic	<i>RTN3</i>
hsa_circRNA_100387	Up	2.19	0.002648	0.318674	chr1	Exonic	<i>PRRC2C</i>
hsa_circRNA_000585	Up	2.18	0.001283	0.268093	chr14	Sense overlapping	<i>RPPH1</i>
hsa_circRNA_103582	Up	2.18	0.000457	0.216501	chr4	Exonic	<i>WHSC1</i>

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Supplementary Table 2. Continued

circRNA	Regulation	Fold-change	P value	FDR	Chromosome	Type	Gene symbol
hsa_circRNA_020068	Up	2.18	0.028325	0.415917	chr10	Exonic	<i>ABLM1</i>
hsa_circRNA_100789	Up	2.17	0.009954	0.379897	chr11	Exonic	<i>CAPRIN1</i>
hsa_circRNA_404736	Up	2.16	0.020464	0.391289	chr10	Antisense	<i>KIAA1462</i>
hsa_circRNA_100787	Up	2.15	0.012637	0.383331	chr11	Exonic	<i>CAPRIN1</i>
hsa_circRNA_103220	Up	2.14	0.010592	0.379897	chr22	Exonic	<i>CSNK1E</i>
hsa_circRNA_000554	Up	2.14	0.018153	0.385583	chr12	Intronic	<i>PRB4</i>
hsa_circRNA_004090	Up	2.14	0.031267	0.416803	chr17	Exonic	<i>TRIM37</i>
hsa_circRNA_100775	Up	2.12	0.018738	0.385583	chr11	Exonic	<i>MPPED2</i>
hsa_circRNA_101078	Up	2.12	0.016525	0.385583	chr12	Exonic	<i>CS</i>
hsa_circRNA_102781	Up	2.09	0.002735	0.318674	chr2	Exonic	<i>DKFZp667P0924</i>
hsa_circRNA_022920	Up	2.09	0.005341	0.352757	chr11	Exonic	<i>FIBP</i>
hsa_circRNA_406839	Up	2.09	0.001671	0.268093	chr6	Intronic	<i>NCOA7</i>
hsa_circRNA_089921	Up	2.08	0.009127	0.379897	chrX	Exonic	<i>PIR</i>
hsa_circRNA_102817	Up	2.08	0.020459	0.391289	chr2	Exonic	<i>SAP130</i>
hsa_circRNA_100790	Up	2.08	0.010117	0.379897	chr11	Exonic	<i>CAPRIN1</i>
hsa_circRNA_405614	Up	2.07	0.014171	0.385583	chr17	Exonic	<i>MED13</i>
hsa_circRNA_101026	Up	2.06	0.011626	0.379897	chr12	Exonic	<i>RASSF8</i>
hsa_circRNA_063408	Up	2.03	0.033539	0.417038	chr22	Exonic	<i>TNRC6B</i>
hsa_circRNA_104169	Up	2.03	0.018559	0.385583	chr6	Exonic	<i>SOBP</i>
hsa_circRNA_404779	Up	2.02	0.009898	0.379897	chr10	Exonic	<i>KAT6B</i>
hsa_circRNA_400089	Up	2.01	0.013760	0.385583	chr6	Intronic	<i>ITPR3</i>
hsa_circRNA_005310	Up	2.00	0.010914	0.379897	chr12	Exonic	<i>SBNO1</i>
hsa_circRNA_045308	Down	2.61	0.038322	0.429702	chr17	Exonic	<i>CEP95</i>
hsa_circRNA_007221	Down	2.34	0.049739	0.444564	chr10	Exonic	<i>USP54</i>
hsa_circRNA_102993	Down	2.18	0.047826	0.442261	chr20	Exonic	<i>CDS2</i>
hsa_circRNA_042079	Down	2.18	0.044258	0.441855	chr17	Exonic	<i>GAS7</i>
hsa_circRNA_003806	Down	2.16	0.044245	0.441855	chr3	Exonic	<i>VGLL3</i>
hsa_circRNA_008587	Down	2.09	0.024427	0.411248	chr8	Exonic	<i>LOC101929709</i>
hsa_circRNA_022602	Down	2.08	0.045150	0.442261	chr11	Exonic	<i>RTN3</i>

circRNA, circular RNA; T1DM, type 1 diabetes mellitus; FDR, false discovery rate.