

Table S4. Differentially expressed circRNAs in OVM

circRNA_id	circbase_id	Regulation	log2FC	p Value
circRNA_0051 Chr1:13769118_13782831_+	-	Down	#NAME?	0.032
circRNA_0068 Chr1:16564807_16567351_-	-	Down	#NAME?	0.026
circRNA_0309 Chr1:64629355_64641969_+	-	Up	inf	0.049
circRNA_0377 Chr1:83911165_83947282_-	-	Down	#NAME?	0.035
circRNA_0383 Chr1:84865385_84866138_-	hsa_circ_0004390	Up	inf	0.006
circRNA_0398 Chr1:90916640_90918154_-	-	Down	-2.84	0.037
circRNA_0416 Chr1:92605307_92636336_-	hsa_circ_0013167	Down	#NAME?	0.037
circRNA_0421 Chr1:92663420_92704744_-	-	Down	-4.3	0.021
circRNA_0715 Chr1:203707009_203708104_+	hsa_circ_0007167	Down	-2.28	0.038
circRNA_0717 Chr1:204112915_204114605_+	hsa_circ_0004777	Down	#NAME?	0.031
circRNA_0730 Chr1:211353239_211354467_+	hsa_circ_0007234	Down	-1.9	0.005
circRNA_0751 Chr1:213996469_214011715_+	-	Up	inf	0.032
circRNA_0778 Chr1:224189577_224190319_+	-	Down	-2.8	0.049
circRNA_0788 Chr1:224952670_225007544_+	hsa_circ_0016601	Up	3.25	0.024
circRNA_0844 Chr1:236032401_236038253_-	hsa_circ_0017111	Down	#NAME?	0.025
circRNA_0853 Chr1:237369534_237456735_+	-	Down	#NAME?	0.045
circRNA_0854 Chr1:237369534_237469187_+	-	Down	#NAME?	0.032
circRNA_0887 Chr1:247156406_247159813_-	-	Up	1.32	0.041
circRNA_0919 Chr10:7243558_7285954_-	hsa_circ_0017636	Up	2.92	0.05
circRNA_0921 Chr10:7276892_7285954_-	hsa_circ_0000211	Up	3.95	0
circRNA_0956 Chr10:15548455_15586664_-	-	Down	#NAME?	0.006
circRNA_0978 Chr10:17603560_17604047_-	hsa_circ_0006751	Down	#NAME?	0
circRNA_1010 Chr10:27673960_27675554_-	-	Down	#NAME?	0
circRNA_1022 Chr10:29512735_29531288_-	hsa_circ_0018064	Down	-4.34	0
circRNA_1023 Chr10:29512735_29532172_-	-	Down	#NAME?	0.023
circRNA_1098 Chr10:52280789_52290290_+	hsa_circ_0003030	Down	#NAME?	0.022
circRNA_1102 Chr10:60084602_60085253_-	-	Up	inf	0.037
circRNA_1126 Chr10:68487144_68506718_-	hsa_circ_0007778	Down	#NAME?	0.039
circRNA_1141 Chr10:69483691_69485215_+	hsa_circ_0002758	Down	#NAME?	0.006
circRNA_1161 Chr10:73817015_73824084_-	-	Down	#NAME?	0.004
circRNA_1162 Chr10:73817023_73824084_-	-	Down	#NAME?	0
circRNA_1228 Chr10:95339133_95367699_-	-	Down	#NAME?	0.012
circRNA_1237 Chr10:95381685_95410777_-	-	Down	-1.97	0.006
circRNA_1238 Chr10:95395001_95410777_-	-	Down	#NAME?	0.049
circRNA_1296 Chr10:103439746_103440850_+	hsa_circ_0003366	Up	inf	0.05
circRNA_1340 Chr10:124038515_124046724_-	hsa_circ_0000264	Up	inf	0.032
circRNA_1513 Chr11:59658866_59659469_-	hsa_circ_0004162	Down	-3.17	0.049
circRNA_1546 Chr11:66639700_66640123_+	hsa_circ_0000330	Down	#NAME?	0.006
circRNA_1555 Chr11:68438446_68438682_+	-	Down	#NAME?	0.033
circRNA_1580 Chr11:73707420_73718890_-	hsa_circ_0004596	Down	#NAME?	0.012
circRNA_1626 Chr11:85695128_85718843_-	-	Down	#NAME?	0.001
circRNA_1678 Chr11:92352096_92355404_+	hsa_circ_0000348	Down	-2.44	0
circRNA_1698 Chr11:96091892_96093517_-	hsa_circ_0024085	Up	1.66	0.037
circRNA_1708 Chr11:103219915_103223086_+	-	Up	inf	0.019

circRNA_1728 Chr11:108227595_108235834_+	hsa_circ_0003641	Up	inf	0.007
circRNA_1928 Chr12:28225795_28259442_+	hsa_circ_0000386	Up	3.04	0.031
circRNA_1930 Chr12:28255581_28307749_+	-	Up	2.91	0.005
circRNA_1982 Chr12:45836589_45860949_+	hsa_circ_0025953	Down	#NAME?	0.024
circRNA_1991 Chr12:46239679_46243314_-	hsa_circ_0000398	Down	-2.67	0.006
circRNA_2024 Chr12:51073823_51074082_-	hsa_circ_0004538	Down	#NAME?	0.031
circRNA_2037 Chr12:55700899_55701154_-	hsa_circ_0026782	Down	-5.1	0
circRNA_2070 Chr12:65326826_65369026_+	-	Down	#NAME?	0.033
circRNA_2146 Chr12:99772922_99782097_-	hsa_circ_0007294	Down	#NAME?	0
circRNA_2147 Chr12:99772922_99806700_-	-	Down	#NAME?	0.039
circRNA_2189 Chr12:108652272_108654410_-	hsa_circ_0000437	Down	-1.59	0
circRNA_2269 Chr12:120782655_120791557_-	hsa_circ_0004479	Up	4.1	0.012
circRNA_2300 Chr12:131000383_131014340_+	hsa_circ_0029434	Down	#NAME?	0.001
circRNA_2333 Chr13:23353785_23371165_-	hsa_circ_0003408	Down	#NAME?	0.001
circRNA_2488 Chr13:77719532_77753358_+	hsa_circ_0000497	Up	inf	0.043
circRNA_2682 Chr14:54702062_54702580_+	hsa_circ_0004846	Down	-2.3	0.012
circRNA_2725 Chr14:66965191_67058786_+	hsa_circ_0032254	Down	#NAME?	0.047
circRNA_2773 Chr14:76031955_76059373_+	hsa_circ_0004176	Down	#NAME?	0.001
circRNA_2774 Chr14:76058642_76059373_+	-	Down	#NAME?	0.04
circRNA_2793 Chr14:88416711_88437903_+	-	Down	-3.74	0.035
circRNA_2951 Chr15:44615363_44620403_-	hsa_circ_0003784	Up	3.6	0.033
circRNA_2974 Chr15:50586392_50592626_-	-	Up	inf	0.048
circRNA_3001 Chr15:54012648_54015886_+	-	Down	-3.66	0.002
circRNA_3192 Chr15:85113873_85115487_+	hsa_circ_0003856	Up	4.35	0.003
circRNA_3231 Chr15:94356137_94402019_+	hsa_circ_0000660	Up	inf	0.037
circRNA_3272 Chr16:3536122_3536994_+	hsa_circ_0005410	Down	#NAME?	0.039
circRNA_3314 Chr16:15714909_15715081_-	-	Down	#NAME?	0.002
circRNA_3326 Chr16:15822556_15823411_-	-	Down	#NAME?	0.032
circRNA_3393 Chr16:30483827_30484263_+	hsa_circ_0000690	Up	inf	0.014
circRNA_3430 Chr16:53254438_53274302_+	hsa_circ_0000702	Down	#NAME?	0.005
circRNA_3615 Chr17:8569720_8577338_-	hsa_circ_0042049	Down	#NAME?	0.026
circRNA_3627 Chr17:12705128_12723008_+	hsa_circ_0042103	Down	#NAME?	0
circRNA_3640 Chr17:17847639_17850952_-	-	Down	#NAME?	0.006
circRNA_3654 Chr17:20204333_20205912_+	hsa_circ_0000745	Down	-1.18	0.003
circRNA_3677 Chr17:29684563_29703062_-	hsa_circ_0000754	Up	inf	0.013
circRNA_3750 Chr17:42610108_42659552_+	-	Down	-2.7	0.045
circRNA_3949 Chr17:79644137_79646334_-	-	Down	#NAME?	0.001
circRNA_4000 Chr18:8718424_8720496_+	hsa_circ_0000825	Down	#NAME?	0
circRNA_4096 Chr18:44701175_44701832_+	hsa_circ_0006491	Down	-3.02	0.025
circRNA_4152 Chr18:58918271_58920633_+	hsa_circ_0047814	Down	-1.89	0.045
circRNA_4174 Chr18:69010934_69054133_+	hsa_circ_0005094	Up	inf	0.047
circRNA_4361 Chr19:36449399_36450001_-	-	Down	#NAME?	0.05
circRNA_4616 Chr2:36396614_36442735_+	hsa_circ_0002346	Down	-1.48	0.048
circRNA_4617 Chr2:36396614_36464655_+	hsa_circ_0005579	Down	#NAME?	0.008
circRNA_4651 Chr2:40428473_40430304_-	hsa_circ_0000994	Down	-1.4	0
circRNA_4695 Chr2:48580587_48582563_+	-	Down	#NAME?	0.028

circRNA_4697 Chr2:48620851_48671680_+	-	Down	#NAME?	0.029
circRNA_4700 Chr2:48642402_48671680_+	-	Down	-3.39	0.018
circRNA_4834 Chr2:72718103_72733118_-	hsa_circ_0009043	Down	-1.17	0.015
circRNA_4842 Chr2:73447960_73455295_+	-	Down	#NAME?	0.017
circRNA_4861 Chr2:85555484_85556260_-	hsa_circ_0055426	Up	inf	0.043
circRNA_4873 Chr2:95148885_95153259_-	-	Up	1.84	0.038
circRNA_5051 Chr2:168063500_168075231_-	hsa_circ_0003279	Up	inf	0.045
circRNA_5111 Chr2:183128287_183130545_+	hsa_circ_0004820	Up	inf	0.018
circRNA_5172 Chr2:201129729_201136107_+	-	Down	#NAME?	0.012
circRNA_5191 Chr2:202755538_202759353_+	-	Down	#NAME?	0.025
circRNA_5215 Chr2:205440370_205440672_+	hsa_circ_0004575	Down	-2.76	0.02
circRNA_5252 Chr2:214767482_214781509_-	hsa_circ_0001098	Down	-4.06	0.006
circRNA_5303 Chr2:229774097_229788940_-	-	Down	#NAME?	0.002
circRNA_5330 Chr2:237739232_237760205_+	-	Down	#NAME?	0.016
circRNA_5671 Chr22:31097269_31104387_+	-	Down	#NAME?	0
circRNA_5737 Chr22:42890947_42891182_-	hsa_circ_0002610	Down	#NAME?	0.004
circRNA_5860 Chr3:33358967_33364719_+	-	Down	#NAME?	0.036
circRNA_5925 Chr3:48417911_48418363_-	hsa_circ_0065378	Down	#NAME?	0.001
circRNA_5949 Chr3:53178404_53179776_+	hsa_circ_0066157	Down	#NAME?	0.045
circRNA_5956 Chr3:56566594_56567053_+	hsa_circ_0001312	Up	inf	0.009
circRNA_6046 Chr3:99848295_99851070_-	-	Down	#NAME?	0.038
circRNA_6092 Chr3:113488945_113506605_-	hsa_circ_0006163	Up	inf	0.049
circRNA_6233 Chr3:149846011_149921227_+	hsa_circ_0001346	Up	1.24	0.043
circRNA_6297 Chr3:172247533_172285984_+	hsa_circ_0001362	Up	inf	0.002
circRNA_6445 Chr4:7868622_7872080_-	hsa_circ_0069152	Down	-3.19	0.009
circRNA_6458 Chr4:17961903_17972885_-	hsa_circ_0069285	Down	#NAME?	0.045
circRNA_6471 Chr4:30920153_30950215_+	-	Down	#NAME?	0.001
circRNA_6542 Chr4:61497121_61497348_+	hsa_circ_0069859	Down	#NAME?	0.01
circRNA_6553 Chr4:61934840_61936045_+	-	Down	#NAME?	0.016
circRNA_6554 Chr4:61934840_61948276_+	hsa_circ_0069863	Down	-4.56	0
circRNA_6555 Chr4:61934840_61983603_+	hsa_circ_0069864	Down	-3.6	0.023
circRNA_6556 Chr4:61934840_61998265_+	-	Down	-4.12	0
circRNA_6559 Chr4:61996291_62044549_+	-	Down	#NAME?	0.021
circRNA_6574 Chr4:75012425_75013150_+	-	Down	-4.56	0.039
circRNA_6593 Chr4:78826037_78851056_+	hsa_circ_0070190	Up	inf	0.013
circRNA_6678 Chr4:104518577_104519454_-	-	Up	inf	0.037
circRNA_6709 Chr4:119030036_119030179_+	-	Down	#NAME?	0.015
circRNA_6793 Chr4:147854676_147881932_+	-	Down	-3.76	0.031
circRNA_6795 Chr4:147857553_147881932_+	hsa_circ_0071106	Down	-1.46	0.008
circRNA_6810 Chr4:147939825_147966839_+	hsa_circ_0007265	Down	-3.6	0.034
circRNA_6824 Chr4:150761783_150808398_-	hsa_circ_0071185	Down	#NAME?	0.032
circRNA_6847 Chr4:155696756_155722192_+	-	Down	-4.11	0.009
circRNA_6903 Chr5:228185_233645_+	-	Down	#NAME?	0.001
circRNA_6924 Chr5:21491321_21497196_+	-	Down	-2.9	0
circRNA_6963 Chr5:38990949_39003622_-	hsa_circ_0006157	Down	#NAME?	0.028
circRNA_6969 Chr5:39382618_39388852_-	hsa_circ_0002649	Down	#NAME?	0

circRNA_7038 Chr5:64200808_64217396_+	-	Down	#NAME?	0.001
circRNA_7105 Chr5:78089393_78165672_-	-	Down	#NAME?	0.048
circRNA_7140 Chr5:83537007_83555038_+	hsa_circ_0073239	Up	4.08	0.003
circRNA_7182 Chr5:109713520_109716264_+	hsa_circ_0008058	Down	-2.71	0.009
circRNA_7204 Chr5:114404438_114404856_+	-	Down	#NAME?	0.011
circRNA_7216 Chr5:122801869_122803613_+	hsa_circ_0073692	Up	inf	0.033
circRNA_7235 Chr5:131677703_131709272_-	hsa_circ_0001524	Down	-3.18	0.013
circRNA_7260 Chr5:136147832_136154163_+	hsa_circ_0007930	Down	-2.82	0.026
circRNA_7388 Chr5:177209636_177212195_+	hsa_circ_0075161	Down	-1.93	0.029
circRNA_7391 Chr5:177536358_177539147_-	hsa_circ_0002972	Up	2.34	0.019
circRNA_7406 Chr5:179888103_179888312_-	hsa_circ_0075329	Down	#NAME?	0.007
circRNA_7487 Chr6:32520164_32580856_-	-	Down	#NAME?	0.01
circRNA_7537 Chr6:47283938_47286595_-	hsa_circ_0001610	Up	2.56	0.04
circRNA_7568 Chr6:57193842_57210445_-	hsa_circ_0004119	Down	-2.23	0.034
circRNA_7583 Chr6:72295937_72333835_+	-	Down	-1.62	0.018
circRNA_7721 Chr6:125370416_125374321_-	-	Down	#NAME?	0.003
circRNA_7816 Chr6:151348711_151353752_+	hsa_circ_0078299	Down	#NAME?	0
circRNA_7817 Chr6:151348711_151356262_+	-	Down	#NAME?	0.032
circRNA_7847 Chr6:158573420_158589782_+	hsa_circ_0004587	Up	3.29	0.029
circRNA_7859 Chr6:161034259_161049979_+	hsa_circ_0078617	Down	-2.47	0.049
circRNA_7860 Chr6:161048616_161049979_+	hsa_circ_0078619	Down	-3.48	0.015
circRNA_7871 Chr6:170358226_170395579_+	-	Down	#NAME?	0.003
circRNA_7877 Chr7:854920_857957_+	hsa_circ_0079074	Down	-4.34	0.02
circRNA_7890 Chr7:5641154_5652510_-	hsa_circ_0079284	Down	#NAME?	0
circRNA_7934 Chr7:22960256_22991139_-	hsa_circ_0008951	Down	-2.34	0.006
circRNA_7936 Chr7:22976210_22991139_-	hsa_circ_0005251	Down	-1.85	0.043
circRNA_7949 Chr7:24623666_24680520_+	hsa_circ_0001687	Up	4.66	0.013
circRNA_8224 Chr7:128577953_128638897_+	-	Up	4.01	0.029
circRNA_8226 Chr7:128641203_128648982_+	hsa_circ_0005921	Down	#NAME?	0.003
circRNA_8230 Chr7:129205203_129206587_+	hsa_circ_0001742	Up	3.97	0.03
circRNA_8335 Chr7:158759486_158764853_-	hsa_circ_0001776	Down	-2.28	0
circRNA_8389 Chr8:22196680_22197420_+	hsa_circ_0002075	Down	-2.51	0.014
circRNA_8410 Chr8:30474779_30479377_+	hsa_circ_0007409	Down	-4.7	0.004
circRNA_8411 Chr8:30474779_30504436_+	hsa_circ_0006539	Down	-3.29	0.002
circRNA_8417 Chr8:37765526_37766355_+	hsa_circ_0001788	Down	-1.82	0.038
circRNA_8515 Chr8:61618978_61653660_-	hsa_circ_0084606	Down	-3.11	0.05
circRNA_8561 Chr8:71269740_71334174_-	-	Up	inf	0.026
circRNA_8740 Chr8:141253989_141254629_-	hsa_circ_0001829	Down	-1.68	0
circRNA_8802 Chr9:16435555_16437524_-	hsa_circ_0086414	Down	-2.1	0.001
circRNA_8901 Chr9:76629192_76636557_-	hsa_circ_0087236	Down	#NAME?	0.047
circRNA_8903 Chr9:76703337_76713721_-	-	Down	#NAME?	0.011
circRNA_8908 Chr9:77214329_77227485_+	hsa_circ_0087243	Down	-3.29	0.024
circRNA_8912 Chr9:77337255_77371149_+	hsa_circ_0087255	Down	-3.27	0.026
circRNA_8914 Chr9:77381976_77407607_+	hsa_circ_0008075	Down	#NAME?	0.028
circRNA_8952 Chr9:86305192_86310017_-	hsa_circ_0001869	Up	1.88	0.04
circRNA_9133 Chr9:136013199_136016429_-	hsa_circ_0089513	Down	#NAME?	0.044

circRNA_9153 ChrMT:13436_13570_-	-	Up	inf	0.048
circRNA_9177 ChrX:19965044_19970298_-	-	Down	#NAME?	0.048
circRNA_9199 ChrX:32216916_32310276_-	-	Down	#NAME?	0.011
circRNA_9200 ChrX:32287529_32310276_-	-	Down	#NAME?	0.001
circRNA_9208 ChrX:32518008_32573846_-	-	Down	#NAME?	0.009
circRNA_9209 ChrX:32545159_32573846_-	-	Down	#NAME?	0.004
circRNA_9351 ChrX:155415575_155419562_-	hsa_circ_0004666	Down	-2.34	0.017