

Table SI. Oligonucleotides for transfection.

Name	Forward sequence, 5'→3'	Reverse sequence, 5'→3'	Format
miR-185-5p mimic sense	UGGAGAGAAAGGCAGUUCCUGA	UCAGGAACUGCCUUUCUCUCCA-	RNA
miR-185-5p inhibitor	Not applicable	UCAGGAACUGCCUUUCUCUCCA-	RNA
si-Circ#1	TTATTAGAGGCAAAGCACGGA	TCCGTGCTTTGCCTCTAATAA	DNA notation for target site
si-Circ#2	TATTAGAGGCAAAGCACGGAG	CTCCGTGCTTTGCCTCTAATA	DNA notation for target site
si-Circ#3	TTTATTAGAGGCAAAGCACGG	CCGTGCTTTGCCTCTAATAAA	DNA notation for target site
si-NC	UUCUCCGAACGUGUCACGU	ACGUGACACGUUCGGAGAA	RNA
Ad-sh_circRNA_013145	TTATTAGAGGCAAAGCACGGA	TCCGTGCTTTGCCTCTAATAA	Targeting portion, DNA notation
Ad-sh_NC	TTCTCCGAACGTGTCACGT	ACGTGACACGTTCGGAGAA	Targeting portion, DNA notation

For miR-185-5p, the mimic sense strand is identical to the mature miR-185-5p sequence, whereas the mimic antisense strand and inhibitor are reverse-complementary antisense oligonucleotides. For siRNAs, the sequences indicate the circRNA target sites. For Ad-delivered shRNAs, targeting portions are shown. miR, microRNA; si, small interfering; circ, circular; Ad, adenovirus; sh, short hairpin; NC, negative control.

Table SII. Primers for reverse transcription-quantitative PCR.

Name	Forward, 5'→-3'	Reverse, 5'→-3'
rno_circRNA_008695	GACAATGAAGCGCCCGACT	TCCCCATTGACACACAAGC
mmu_circRNA_010964	CATCCATCTGCCTGCCTTAAG	AAAACCTGTGGCCAAGACG
rno_circRNA_013145	GGGACTTCGATGTGGATGATGCC	ACGCAATGACCATGAACCACGTG
mmu_circRNA_31436	AGGATGCTGCTCCTGAGAGT	GAAAGCCACCTTCCCTGTGA
rno_circRNA_013139	TATTTCCACTTGGGGGACGC	GCTTCTTCTTCTTAACTTCACTAGC
rno_circRNA_010502	TCCCCAGTCACTCAGATCCT	CCAAACGCGAAATGCACCAG
mmu_circRNA_26971	GCAGAGATGTTTCAGCAGACG	GTCACTTTTGGACCTATGTTTCGT
rno_circRNA_003748	AGGACCTCACCAGTCCGAA	GGAGGAGTGAGGGTCGTAGA
rno_circRNA_011493	TCACCTTTTCCTCTCTAGCGT	GACCACATCCTCTCTGTCCC
rno_circRNA_012403	GGCCCTTGTTTCATGAAGTTGT	TCCAGAGGAAGGTGAGGACT
miR-185-5p	TGGAGAGAAAGGCAGTTCCTGA	Universal mRQ 3' primer supplied with the Mir-X™ miRNA First-Strand Synthesis Kit
U6 (human/rat)	CTCGCTTCGGCAGCACA	AACGCTTCACGAATTTGCGT
GAPDH (human)	GACAGTCAGCCGCATCTTCT	TTAAAAGCAGCCCTGGTGAC
GAPDH (rat)	GGCACAGTCAAGGCTGAGAATG	ATGGTGGTGAAGACGCCAGTA

miR, microRNA; circ, circular.

Table SIII. Differentially expressed circRNAs in penile tissue samples.

probeID	P-value	FDR	FC (abs)	Regulation	circRNA
ASCRPR000015	0.001923344	0.013203993	5.1445889	up	rno_circRNA_017057
ASCRPR000111	0.000409621	0.005754523	2.2581324	up	rno_circRNA_016072
ASCRPR000150	0.000281976	0.004685524	3.0576186	up	rno_circRNA_016118
ASCRPR000161	0.003419331	0.018488919	2.2366898	up	rno_circRNA_004891
ASCRPR000170	0.008646813	0.033203504	2.4580168	up	rno_circRNA_008699
ASCRPR000193	0.002070823	0.013779463	2.6407377	up	rno_circRNA_001398
ASCRPR000214	8.86562E-05	0.002869893	3.982067	up	rno_circRNA_014729
ASCRPR000240	0.002143271	0.013980617	4.7203798	up	rno_circRNA_017056
ASCRPR000259	2.97241E-06	0.001232923	4.6430312	up	rno_circRNA_017318
ASCRPR000310	0.000102694	0.003020159	4.6422602	up	rno_circRNA_017384
ASCRPR000346	0.002766957	0.016281619	2.0461458	up	rno_circRNA_009384
ASCRPR000411	0.000325037	0.005038446	2.2016618	up	rno_circRNA_007673
ASCRPR000431	0.005766348	0.02566354	2.8749014	up	rno_circRNA_011660
ASCRPR000513	0.000658768	0.007258686	2.2493406	up	rno_circRNA_011229
ASCRPR000535	0.001067826	0.00948939	2.1511088	up	rno_circRNA_013336
ASCRPR000548	0.028959612	0.075852163	2.5420881	up	rno_circRNA_004715
ASCRPR000560	0.003985755	0.020455109	2.3177917	up	rno_circRNA_006281
ASCRPR000610	0.000158555	0.003558463	2.3087845	up	hsa_circRNA_102750
ASCRPR000619	0.01232394	0.042313331	2.1488467	up	rno_circRNA_011765
ASCRPR000661	0.000363999	0.005385003	2.2917418	up	rno_circRNA_005497
ASCRPR000690	1.89498E-05	0.001626664	4.3612297	up	mmu_circRNA_27592
ASCRPR000716	0.000202906	0.004070349	2.2054146	up	rno_circRNA_008222
ASCRPR000763	0.041854181	0.098014229	2.9194759	up	mmu_circRNA_42163
ASCRPR000779	0.000117877	0.003212967	2.3143939	up	mmu_circRNA_37687
ASCRPR000788	0.001395197	0.010944155	2.7073723	up	mmu_circRNA_35148
ASCRPR000834	0.01949645	0.057416034	2.3153546	up	rno_circRNA_005992
ASCRPR000840	0.006060658	0.026430126	2.2455149	up	rno_circRNA_002690
ASCRPR000884	0.036253095	0.088752417	2.745733	up	rno_circRNA_002622
ASCRPR000911	0.042619687	0.099380368	2.0687817	up	rno_circRNA_009194
ASCRPR000914	0.008455878	0.032778243	2.5018786	up	rno_circRNA_005354
ASCRPR000930	0.007805101	0.031122299	2.7196225	up	rno_circRNA_014433
ASCRPR000974	0.005775954	0.025697911	2.0960076	up	rno_circRNA_008054
ASCRPR001002	0.012492203	0.04264418	2.7813883	up	rno_circRNA_004617
ASCRPR001054	4.08003E-05	0.002070884	2.5584706	up	rno_circRNA_004893
ASCRPR001063	0.00121654	0.010212201	3.452781	up	rno_circRNA_015977
ASCRPR001086	7.34774E-06	0.001316009	4.468655	up	rno_circRNA_013609

ASCRPR001106	0.000220508	0.004239381	2.7534228	up	rno_circRNA_015427
ASCRPR001132	0.000257239	0.004484747	2.2334055	up	rno_circRNA_005494
ASCRPR001134	0.000858298	0.008321283	2.8625405	up	rno_circRNA_008180
ASCRPR001141	0.006136058	0.026610505	2.7044945	up	rno_circRNA_012712
ASCRPR001163	0.006960392	0.028947081	2.1780244	up	rno_circRNA_001155
ASCRPR001164	0.002434474	0.015115457	2.4934173	up	rno_circRNA_013194
ASCRPR001180	6.14301E-06	0.001316009	3.2680582	up	rno_circRNA_010688
ASCRPR001185	0.021296237	0.060965786	2.103929	up	rno_circRNA_014216
ASCRPR001214	0.000134514	0.003312096	5.6628555	up	mmu_circRNA_36814
ASCRPR001248	0.000576191	0.006754049	3.0043122	up	rno_circRNA_015415
ASCRPR001262	0.010616051	0.038322057	2.3553333	up	mmu_circRNA_19864
ASCRPR001265	0.000297471	0.004869907	6.5212952	up	mmu_circRNA_23326
ASCRPR001289	0.005745713	0.025613486	2.5523505	up	rno_circRNA_012111
ASCRPR001292	0.000713405	0.007597511	2.5042433	up	rno_circRNA_014069
ASCRPR001296	0.004941479	0.023436445	2.1344742	up	mmu_circRNA_42341
ASCRPR001308	0.00035045	0.005276471	2.6170541	up	rno_circRNA_005254
ASCRPR001309	0.012886804	0.043625843	2.342679	up	rno_circRNA_005253
ASCRPR001311	0.000253539	0.004478693	2.1867753	up	rno_circRNA_010710
ASCRPR001380	0.011080597	0.039354903	2.0033211	up	rno_circRNA_014622
ASCRPR001394	0.002068297	0.01377159	2.0184337	up	rno_circRNA_017281
ASCRPR001465	0.000154423	0.003512797	2.1101398	up	rno_circRNA_011787
ASCRPR001468	4.07491E-05	0.002070884	2.6401323	up	mmu_circRNA_29497
ASCRPR001534	9.68609E-05	0.002931776	2.0174176	up	rno_circRNA_008566
ASCRPR001554	1.49008E-05	0.001507882	2.2979249	up	rno_circRNA_012427
ASCRPR001568	0.000251054	0.004459157	2.1028335	up	rno_circRNA_005387
ASCRPR001574	0.001332067	0.010692088	13.6840758	up	rno_circRNA_004113
ASCRPR001578	0.000056469	0.002352887	8.4977688	up	rno_circRNA_010332
ASCRPR001579	0.041919359	0.098099499	2.2779565	up	mmu_circRNA_23643
ASCRPR001640	0.000224825	0.004277328	2.1598763	up	rno_circRNA_000964
ASCRPR001687	0.002817357	0.016462801	2.197844	up	rno_circRNA_017539
ASCRPR001726	0.006474572	0.027599885	3.4459821	up	rno_circRNA_013393
ASCRPR001731	0.006835825	0.0286123	2.015838	up	rno_circRNA_005161
ASCRPR001741	0.002290925	0.014626	12.2197967	up	mmu_circRNA_44625
ASCRPR001742	0.006657833	0.028108791	6.3047514	up	rno_circRNA_008976
ASCRPR001744	0.031206986	0.080140497	2.180497	up	rno_circRNA_008316
ASCRPR001748	0.000157664	0.003554864	11.0255879	up	rno_circRNA_006193
ASCRPR001789	0.000923374	0.008681191	2.0186731	up	rno_circRNA_007879
ASCRPR001816	0.000914333	0.008656822	2.2092487	up	rno_circRNA_011261
ASCRPR001861	0.006012769	0.026313824	2.0463835	up	rno_circRNA_005589

ASCRPR001903	0.006095464	0.026514101	9.5306198	up	rno_circRNA_017723
ASCRPR001916	9.6872E-05	0.002931776	10.2799534	up	rno_circRNA_013140
ASCRPR001934	0.000967735	0.008967987	5.092294	up	rno_circRNA_017545
ASCRPR001942	0.001147251	0.009892324	2.1535764	up	mmu_circRNA_26465
ASCRPR002000	0.023350057	0.065270107	2.3592674	up	rno_circRNA_001405
ASCRPR002024	9.1168E-06	0.001317081	7.6939826	up	rno_circRNA_011166
ASCRPR002038	0.000194558	0.00396707	2.9168534	up	rno_circRNA_009882
ASCRPR002071	0.012511127	0.042671727	2.9983137	up	rno_circRNA_009036
ASCRPR002091	0.005248138	0.024254465	3.2396796	up	rno_circRNA_008134
ASCRPR002106	0.000107705	0.003067234	2.062503	up	rno_circRNA_001223
ASCRPR002107	8.3216E-07	0.001175494	6.1580551	up	rno_circRNA_009320
ASCRPR002118	0.005179863	0.024107307	2.1805655	up	rno_circRNA_017148
ASCRPR002151	0.000134033	0.003312096	2.1753774	up	rno_circRNA_017289
ASCRPR002185	0.007347012	0.029934467	2.477404	up	rno_circRNA_012895
ASCRPR002196	0.001868496	0.013017445	3.7932428	up	mmu_circRNA_31565
ASCRPR002198	0.008958499	0.033964116	5.8438762	up	rno_circRNA_015418
ASCRPR002224	0.000338029	0.00515202	3.3667531	up	hsa_circRNA_027612
ASCRPR002233	0.000546462	0.006590512	3.236369	up	rno_circRNA_007562
ASCRPR002275	0.004394619	0.021696343	2.2249703	up	rno_circRNA_007492
ASCRPR002278	0.001604204	0.011918813	2.1712798	up	rno_circRNA_008096
ASCRPR002306	0.000298255	0.004869907	2.2585482	up	rno_circRNA_005772
ASCRPR002308	7.79199E-05	0.002718471	3.9300289	up	rno_circRNA_006496
ASCRPR002350	0.00189903	0.013142093	2.5363558	up	mmu_circRNA_21450
ASCRPR002352	4.53616E-05	0.002160771	8.7570801	up	rno_circRNA_011577
ASCRPR002388	0.001768601	0.012578457	2.9275784	up	rno_circRNA_002716
ASCRPR002408	0.00206116	0.01377159	2.1360288	up	rno_circRNA_007335
ASCRPR002419	0.004893457	0.023299002	2.2987969	up	rno_circRNA_007034
ASCRPR002422	0.008610627	0.033152006	2.8174327	up	mmu_circRNA_36241
ASCRPR002444	0.000611978	0.00697993	3.7231036	up	rno_circRNA_009512
ASCRPR002450	0.001762687	0.012548622	5.2966527	up	mmu_circRNA_27660
ASCRPR002471	8.32041E-05	0.002835413	3.337854	up	rno_circRNA_005694
ASCRPR002528	4.04134E-05	0.002070884	2.4125059	up	rno_circRNA_009992
ASCRPR002536	0.000716809	0.007597511	2.5750524	up	rno_circRNA_008447
ASCRPR002537	0.000234352	0.004379171	2.3010324	up	rno_circRNA_017277
ASCRPR002539	0.000672202	0.00735288	2.4531334	up	rno_circRNA_012657
ASCRPR002597	1.26208E-05	0.00146213	2.1449628	up	rno_circRNA_004568
ASCRPR002609	0.002241153	0.014434537	2.8576035	up	rno_circRNA_011341
ASCRPR002619	0.000124277	0.00323057	2.2991151	up	rno_circRNA_007234
ASCRPR002628	7.82564E-06	0.001317081	4.3670717	up	rno_circRNA_004853

ASCRPR002644	0.014584844	0.047256973	2.0399144	up	mmu_circRNA_26211
ASCRPR002649	0.004590574	0.022300577	2.8228876	up	rno_circRNA_007664
ASCRPR002672	0.00797189	0.031530672	2.0834906	up	rno_circRNA_013523
ASCRPR002684	0.001541607	0.011575862	2.2875012	up	rno_circRNA_003384
ASCRPR002694	1.31781E-05	0.00146213	2.0784849	up	rno_circRNA_008735
ASCRPR002753	0.012354539	0.042354427	2.0331665	up	rno_circRNA_009431
ASCRPR002765	0.027117616	0.072560102	3.00601	up	mmu_circRNA_26038
ASCRPR002783	1.37921E-05	0.001481401	3.8363369	up	rno_circRNA_000621
ASCRPR002784	8.99458E-05	0.002869893	3.2562032	up	rno_circRNA_000622
ASCRPR002789	4.21043E-05	0.002092638	4.6532384	up	rno_circRNA_001818
ASCRPR002808	0.001518869	0.011500657	2.1551652	up	rno_circRNA_010716
ASCRPR002825	3.85038E-05	0.002036965	2.2862045	up	rno_circRNA_004351
ASCRPR002832	0.005034774	0.023681992	2.245028	up	rno_circRNA_001308
ASCRPR002834	0.038577011	0.092678586	2.8783346	up	rno_circRNA_014128
ASCRPR002845	0.020114792	0.058479821	2.8236473	up	rno_circRNA_003722
ASCRPR002851	0.030770068	0.079344897	3.0956751	up	rno_circRNA_009886
ASCRPR002874	6.08509E-05	0.00243507	3.6580102	up	rno_circRNA_002092
ASCRPR002883	3.37557E-05	0.001966727	2.4456096	up	rno_circRNA_015281
ASCRPR002893	0.000256239	0.004481231	2.1840781	up	rno_circRNA_015924
ASCRPR002894	0.005714552	0.025527437	3.796301	up	rno_circRNA_012827
ASCRPR002899	2.37313E-06	0.001232923	3.8410966	up	mmu_circRNA_42793
ASCRPR002900	0.045783595	0.104770009	2.0573909	up	rno_circRNA_005760
ASCRPR002904	0.001899876	0.013142093	2.5624915	up	rno_circRNA_010422
ASCRPR002907	0.020478797	0.059197134	2.2688578	up	rno_circRNA_004061
ASCRPR003029	0.000327531	0.005059851	2.0902077	up	rno_circRNA_013491
ASCRPR003085	3.43012E-05	0.001982636	2.577049	up	rno_circRNA_005974
ASCRPR003126	0.001439645	0.011139076	7.1543896	up	rno_circRNA_012736
ASCRPR003176	1.24737E-05	0.00146213	8.1430227	up	rno_circRNA_000663
ASCRPR003179	0.000469427	0.006096953	2.8108685	up	mmu_circRNA_004781
ASCRPR003191	0.000306551	0.004937028	2.6464396	up	rno_circRNA_003478
ASCRPR003196	2.42705E-05	0.001779966	2.1222684	up	rno_circRNA_010834
ASCRPR003219	0.006435691	0.027512248	3.0441461	up	rno_circRNA_011304
ASCRPR003266	0.000184409	0.003834632	4.181475	up	rno_circRNA_014594
ASCRPR003269	0.003173527	0.017822183	3.0053234	up	rno_circRNA_007846
ASCRPR003308	0.007691028	0.030820599	2.8599852	up	rno_circRNA_015978
ASCRPR003344	0.011428661	0.04012828	2.2220944	up	rno_circRNA_011639
ASCRPR003378	0.001259294	0.010374932	2.3852624	up	rno_circRNA_014440
ASCRPR003423	0.038158557	0.092046131	2.0515246	up	rno_circRNA_004371
ASCRPR003431	1.53943E-06	0.001232923	3.6494399	up	rno_circRNA_009733

ASCRPR003438	0.000259977	0.004489054	3.3965547	up	rno_circRNA_012699
ASCRPR003444	0.000242781	0.00443344	2.1126448	up	mmu_circRNA_44127
ASCRPR003506	1.48075E-05	0.001507882	4.0082921	up	rno_circRNA_010792
ASCRPR003525	0.005528412	0.025004331	2.0613934	up	rno_circRNA_001294
ASCRPR003530	0.00107184	0.009506481	2.6678611	up	rno_circRNA_008533
ASCRPR003562	0.000839724	0.008252816	2.9208091	up	rno_circRNA_015447
ASCRPR003584	0.016010932	0.05026585	2.3687009	up	rno_circRNA_011788
ASCRPR003603	9.7313E-06	0.001317081	2.7378331	up	mmu_circRNA_37521
ASCRPR003604	5.74074E-05	0.002373015	2.3879345	up	rno_circRNA_012426
ASCRPR003621	0.038863007	0.093212851	3.3496783	up	rno_circRNA_010568
ASCRPR003633	0.000128065	0.003243328	3.9585816	up	rno_circRNA_005821
ASCRPR003648	0.000207556	0.004120329	2.3546216	up	rno_circRNA_006443
ASCRPR003649	0.017869956	0.054205931	3.1536639	up	rno_circRNA_001734
ASCRPR003668	0.000238715	0.004412528	3.3789341	up	mmu_circRNA_003344
ASCRPR003669	0.000167804	0.003650746	2.9914389	up	rno_circRNA_001732
ASCRPR003744	0.001389222	0.010933977	3.4071684	up	rno_circRNA_006209
ASCRPR003759	4.09006E-05	0.002070884	5.7064601	up	rno_circRNA_007792
ASCRPR003760	1.83256E-05	0.001626664	5.2637521	up	rno_circRNA_007793
ASCRPR003762	2.29582E-05	0.001759395	2.1294815	up	mmu_circRNA_28571
ASCRPR003781	0.04825002	0.10884381	2.0611912	up	rno_circRNA_001622
ASCRPR003846	0.000369302	0.005428498	3.7615055	up	rno_circRNA_001129
ASCRPR003866	0.009937519	0.036637216	2.0260052	up	mmu_circRNA_29075
ASCRPR003880	0.020468821	0.059189351	2.9724358	up	rno_circRNA_011563
ASCRPR003925	8.80633E-05	0.002869893	3.0580767	up	mmu_circRNA_001265
ASCRPR003948	0.00016336	0.00359998	29.608131	up	mmu_circRNA_005252
ASCRPR003958	0.000333359	0.005120508	6.2246212	up	hsa_circRNA_103683
ASCRPR004000	0.001537818	0.011564152	2.8281376	up	rno_circRNA_004566
ASCRPR004044	0.002559266	0.015571344	16.4290409	up	rno_circRNA_002187
ASCRPR004050	9.67002E-05	0.002931776	3.4027277	up	rno_circRNA_000484
ASCRPR004071	0.000839741	0.008252816	2.4887393	up	rno_circRNA_007849
ASCRPR004099	0.005670383	0.025443979	2.03983	up	rno_circRNA_005231
ASCRPR004103	0.012271406	0.042178266	2.3090509	up	mmu_circRNA_28833
ASCRPR004135	0.046862781	0.106489287	2.1918362	up	rno_circRNA_001797
ASCRPR004139	0.00001887	0.001626664	2.0016607	up	rno_circRNA_006979
ASCRPR004147	7.30445E-06	0.001316009	2.3222218	up	rno_circRNA_002263
ASCRPR004159	0.013300157	0.044440877	2.9223573	up	rno_circRNA_015226
ASCRPR004187	0.008582205	0.033098545	2.3020507	up	rno_circRNA_006417
ASCRPR004192	0.000626926	0.007064624	2.5162821	up	rno_circRNA_012521
ASCRPR004194	0.000217787	0.004230591	5.891838	up	rno_circRNA_016122

ASCRPR004200	0.018820725	0.055908865	2.3381205	up	rno_circRNA_004475
ASCRPR004239	0.021266459	0.060906104	3.7453342	up	rno_circRNA_005731
ASCRPR004292	0.001681634	0.012247287	2.3630974	up	mmu_circRNA_014737
ASCRPR004307	1.80875E-05	0.001626664	2.4096334	up	rno_circRNA_011545
ASCRPR004309	0.000287311	0.004728241	2.5927223	up	rno_circRNA_003347
ASCRPR004313	0.000142112	0.003383147	4.0377342	up	rno_circRNA_007027
ASCRPR004330	0.00018007	0.00378246	2.2236494	up	rno_circRNA_015747
ASCRPR004370	0.013120637	0.044061697	2.0991289	up	rno_circRNA_014227
ASCRPR004391	0.013986436	0.04596217	2.8438169	up	rno_circRNA_014299
ASCRPR004490	0.000873568	0.0084155	5.8187188	up	rno_circRNA_012360
ASCRPR004523	0.012363348	0.042363333	2.4698182	up	rno_circRNA_013858
ASCRPR004619	0.000716133	0.007597511	3.0627168	up	rno_circRNA_011614
ASCRPR004646	0.018635888	0.055541216	2.4272164	up	rno_circRNA_001016
ASCRPR004663	0.01500294	0.048119664	2.1591279	up	rno_circRNA_010546
ASCRPR004680	0.000242085	0.00443115	3.687901	up	rno_circRNA_014969
ASCRPR004688	0.000116955	0.003212967	3.4089395	up	rno_circRNA_011850
ASCRPR004726	0.004255562	0.021264118	2.9446725	up	rno_circRNA_011301
ASCRPR004754	0.00580627	0.025773945	2.0532579	up	mmu_circRNA_34861
ASCRPR004757	0.034186717	0.085316686	2.8455142	up	rno_circRNA_004922
ASCRPR004805	0.000162061	0.003585513	2.0540179	up	rno_circRNA_010412
ASCRPR004806	0.000169916	0.003679082	2.138171	up	rno_circRNA_011111
ASCRPR004831	0.004353281	0.021578165	2.2263623	up	rno_circRNA_012563
ASCRPR004847	0.004184061	0.021053036	2.0025201	up	rno_circRNA_010728
ASCRPR004870	0.014140982	0.046339394	2.8597712	up	rno_circRNA_013073
ASCRPR004871	0.000595184	0.006880433	2.0867584	up	rno_circRNA_015442
ASCRPR004884	9.88141E-05	0.002963367	2.242435	up	rno_circRNA_015367
ASCRPR004889	0.001502993	0.011447419	2.0742041	up	rno_circRNA_015640
ASCRPR005020	0.000694217	0.007501198	2.4240849	up	rno_circRNA_010180
ASCRPR005043	3.24204E-05	0.001951418	3.0330972	up	rno_circRNA_007447
ASCRPR005050	1.28503E-05	0.00146213	2.7626861	up	rno_circRNA_009160
ASCRPR005065	1.03844E-06	0.001175494	5.0942412	up	rno_circRNA_004133
ASCRPR005067	0.000655407	0.007245059	3.4673112	up	rno_circRNA_008769
ASCRPR005089	0.0057925	0.025737945	3.7152003	up	rno_circRNA_006918
ASCRPR005105	0.000982798	0.009052231	3.5367528	up	rno_circRNA_013572
ASCRPR005146	0.000196682	0.003986539	2.4861364	up	rno_circRNA_003115
ASCRPR005150	0.039680868	0.094514882	2.4726195	up	rno_circRNA_014496
ASCRPR005154	0.000523426	0.006441214	5.4192774	up	rno_circRNA_011176
ASCRPR005176	9.49212E-05	0.002931776	19.4804529	up	rno_circRNA_013139
ASCRPR005198	0.001725562	0.012441008	3.6937353	up	rno_circRNA_016395

ASCRPR005226	3.49826E-05	0.002008967	7.8047257	up	rno_circRNA_013313
ASCRPR005251	7.87136E-05	0.002732143	2.4717151	up	mmu_circRNA_32640
ASCRPR005261	0.001905445	0.013157969	2.5991166	up	rno_circRNA_008875
ASCRPR005268	0.027648078	0.07346074	3.3003344	up	mmu_circRNA_21046
ASCRPR005269	0.00422891	0.021166043	2.1018339	up	mmu_circRNA_45861
ASCRPR005282	0.000662396	0.007281328	3.3575687	up	rno_circRNA_003107
ASCRPR005293	0.0026675	0.015945382	3.7534206	up	rno_circRNA_016468
ASCRPR005320	0.001976885	0.013436315	2.3448215	up	rno_circRNA_013518
ASCRPR005322	9.68985E-06	0.001317081	3.8438824	up	rno_circRNA_003480
ASCRPR005419	0.000444149	0.005963221	2.4043299	up	mmu_circRNA_44799
ASCRPR005445	0.011493673	0.040294319	4.2847729	up	rno_circRNA_013687
ASCRPR005461	0.004545389	0.022180824	5.54742	up	rno_circRNA_005949
ASCRPR005514	0.049983652	0.111355055	2.53005	up	rno_circRNA_013695
ASCRPR005519	0.000484532	0.006206103	2.5570761	up	rno_circRNA_014022
ASCRPR005545	0.001723908	0.012439487	2.100482	up	rno_circRNA_009876
ASCRPR005566	0.012264977	0.042174579	3.773673	up	rno_circRNA_016397
ASCRPR005572	0.017433232	0.053319892	2.4117621	up	rno_circRNA_014577
ASCRPR005592	0.041632983	0.097714301	2.3335682	up	rno_circRNA_016427
ASCRPR005593	0.021182204	0.060703036	2.2060104	up	rno_circRNA_016431
ASCRPR005605	0.000324752	0.005038446	2.7085056	up	rno_circRNA_005504
ASCRPR005663	9.51101E-05	0.002931776	2.0589785	up	rno_circRNA_000590
ASCRPR005691	0.000259869	0.004489054	2.1029188	up	mmu_circRNA_31674
ASCRPR005693	0.009101683	0.034306731	2.1718407	up	mmu_circRNA_33991
ASCRPR005760	0.007862672	0.031315241	2.4871201	up	rno_circRNA_007828
ASCRPR005763	0.000309343	0.00494115	13.8657502	up	rno_circRNA_014557
ASCRPR005764	0.039390367	0.094019948	2.5429082	up	rno_circRNA_001210
ASCRPR005789	0.019223435	0.056771353	2.5644553	up	rno_circRNA_011414
ASCRPR005804	0.00613991	0.026610505	2.8519871	up	rno_circRNA_012561
ASCRPR005806	0.000195015	0.003970145	2.243513	up	rno_circRNA_013019
ASCRPR005832	1.99013E-06	0.001232923	2.1821997	up	rno_circRNA_004584
ASCRPR005857	0.000142153	0.003383147	4.2059973	up	rno_circRNA_014288
ASCRPR005877	0.000788229	0.007965627	2.6770481	up	rno_circRNA_006073
ASCRPR005882	0.002561421	0.015577505	2.9988341	up	rno_circRNA_009494
ASCRPR005886	4.21872E-05	0.002092638	2.1640219	up	rno_circRNA_016780
ASCRPR005894	0.000152261	0.003502519	2.623289	up	mmu_circRNA_017142
ASCRPR005931	0.000117488	0.003212967	2.7407249	up	mmu_circRNA_26867
ASCRPR005935	0.000032927	0.001951418	2.453534	up	rno_circRNA_011357
ASCRPR005944	0.000633487	0.007102712	2.17488	up	mmu_circRNA_32131
ASCRPR005956	0.03759288	0.091112817	3.4001392	up	rno_circRNA_007953

ASCRPR005988	0.019493442	0.057416034	2.0406348	up	rno_circRNA_016117
ASCRPR006089	0.004278589	0.021316374	2.1252823	up	rno_circRNA_013020
ASCRPR006102	0.000774606	0.007899893	2.1254145	up	rno_circRNA_011217
ASCRPR006126	0.000199275	0.004009311	2.2199308	up	rno_circRNA_001915
ASCRPR006155	0.001856317	0.012965704	8.8666231	up	mmu_circRNA_23305
ASCRPR006157	0.028648989	0.075309653	2.500854	up	rno_circRNA_014763
ASCRPR006160	8.37652E-05	0.002835413	3.7158702	up	rno_circRNA_000983
ASCRPR006175	7.29484E-06	0.001316009	6.0395073	up	rno_circRNA_009244
ASCRPR006238	0.031752914	0.081148857	2.2553634	up	rno_circRNA_012507
ASCRPR006267	0.002426816	0.015101617	2.3122904	up	rno_circRNA_013994
ASCRPR006271	0.000255387	0.004478693	3.414403	up	rno_circRNA_002371
ASCRPR006272	5.33778E-05	0.002333737	2.1220991	up	rno_circRNA_006875
ASCRPR006302	0.000584819	0.006791442	2.1313901	up	rno_circRNA_005926
ASCRPR006419	0.009027665	0.034112571	2.8081162	up	rno_circRNA_013072
ASCRPR006438	0.015570767	0.049303813	8.0674759	up	rno_circRNA_008066
ASCRPR006443	0.000361498	0.005359994	2.3713452	up	rno_circRNA_008717
ASCRPR006445	3.89853E-06	0.00130808	2.0794365	up	rno_circRNA_004758
ASCRPR006460	0.008997775	0.034031923	2.2279571	up	rno_circRNA_000004
ASCRPR006485	0.002766979	0.016281619	5.6306889	up	mmu_circRNA_31709
ASCRPR006511	0.00312785	0.017638281	2.0322257	up	rno_circRNA_016199
ASCRPR006556	0.024197573	0.066871776	2.8972249	up	rno_circRNA_010033
ASCRPR006578	0.008340608	0.03247315	2.9087487	up	rno_circRNA_010308
ASCRPR006657	0.007122555	0.029442054	7.3891046	up	rno_circRNA_001911
ASCRPR006675	5.25462E-06	0.00130808	7.2347508	up	rno_circRNA_000740
ASCRPR006692	3.22883E-05	0.001951418	2.8611427	up	rno_circRNA_017823
ASCRPR006710	2.59631E-05	0.00184891	3.0289924	up	rno_circRNA_002821
ASCRPR006729	9.36152E-05	0.002928911	2.6166512	up	rno_circRNA_008890
ASCRPR006740	2.38284E-05	0.001776191	3.6517052	up	rno_circRNA_000222
ASCRPR006743	6.72633E-05	0.002555816	2.4745114	up	rno_circRNA_013700
ASCRPR006888	0.001705586	0.012355764	2.0674198	up	rno_circRNA_013739
ASCRPR006891	0.00639921	0.027424323	2.3307698	up	rno_circRNA_005347
ASCRPR006893	1.00234E-06	0.001175494	2.4414848	up	rno_circRNA_006252
ASCRPR006901	0.001104546	0.009658407	13.5672954	up	rno_circRNA_005571
ASCRPR006902	0.001090918	0.009613183	2.1074622	up	rno_circRNA_017403
ASCRPR006924	0.005033298	0.023681992	2.0260405	up	rno_circRNA_001296
ASCRPR006944	0.020283174	0.058797568	2.0089835	up	hsa_circRNA_001066
ASCRPR006951	0.00017784	0.003780907	2.9580501	up	mmu_circRNA_30283
ASCRPR007004	0.016042047	0.050305646	2.0361554	up	rno_circRNA_013052
ASCRPR007007	0.014670072	0.047465479	3.8893736	up	rno_circRNA_013685

ASCRPR007047	0.00259873	0.015713332	2.1845701	up	mmu_circRNA_26575
ASCRPR007053	0.000432425	0.005913246	2.5539522	up	rno_circRNA_017922
ASCRPR007069	0.005080058	0.023801794	2.1027991	up	rno_circRNA_008577
ASCRPR007226	1.68835E-05	0.001626664	2.3600658	up	rno_circRNA_011505
ASCRPR007407	0.018597722	0.055500225	2.5062251	up	rno_circRNA_017527
ASCRPR007446	2.12216E-06	0.001232923	6.5994998	up	rno_circRNA_005722
ASCRPR007449	0.018897072	0.05605022	2.7446219	up	rno_circRNA_000664
ASCRPR007469	0.002614751	0.015782133	2.156422	up	mmu_circRNA_23253
ASCRPR007482	0.004106731	0.020852747	4.1175486	up	rno_circRNA_009632
ASCRPR007491	0.022016095	0.062462885	2.5656461	up	rno_circRNA_001971
ASCRPR007524	8.56891E-05	0.002845359	12.4410797	up	rno_circRNA_008728
ASCRPR007546	5.10513E-05	0.002283247	3.0268152	up	rno_circRNA_002701
ASCRPR007556	0.00393526	0.020310589	2.5721962	up	rno_circRNA_011050
ASCRPR007569	0.003543707	0.018919653	2.1789107	up	rno_circRNA_011565
ASCRPR007579	2.24292E-05	0.001742964	2.1284846	up	rno_circRNA_000692
ASCRPR007619	0.033906266	0.084880781	2.2050565	up	rno_circRNA_013714
ASCRPR007713	0.001273856	0.010430171	3.655147	up	mmu_circRNA_18949
ASCRPR007751	0.02626627	0.070964189	2.3238949	up	rno_circRNA_010305
ASCRPR007781	0.001207893	0.010170907	2.2387777	up	rno_circRNA_009899
ASCRPR007792	1.29109E-05	0.00146213	3.2010043	up	rno_circRNA_005329
ASCRPR007794	0.002289849	0.014626	2.0206738	up	rno_circRNA_005449
ASCRPR007808	0.000316629	0.004978925	2.916542	up	rno_circRNA_001183
ASCRPR007820	0.001033595	0.009352749	2.7155961	up	rno_circRNA_007535
ASCRPR007847	0.03415466	0.085299105	2.2773581	up	rno_circRNA_012287
ASCRPR007859	0.000654688	0.007243773	3.695437	up	mmu_circRNA_38684
ASCRPR007863	0.000384634	0.005567405	2.9240869	up	rno_circRNA_010915
ASCRPR007886	3.88318E-05	0.002045192	3.9758542	up	rno_circRNA_010360
ASCRPR007908	1.99124E-05	0.001687112	40.1095226	up	rno_circRNA_013145
ASCRPR007931	0.026446617	0.0713102	3.0981066	up	rno_circRNA_000596
ASCRPR008019	0.000336032	0.005130876	2.5318547	up	rno_circRNA_011227
ASCRPR008023	0.042900664	0.099881883	3.6747173	up	rno_circRNA_004528
ASCRPR008031	0.002675846	0.015953325	2.1512779	up	rno_circRNA_012552
ASCRPR008048	0.000103344	0.003020159	2.0389636	up	rno_circRNA_005565
ASCRPR008050	5.53709E-06	0.001316009	5.7418799	up	rno_circRNA_008630
ASCRPR008055	0.004189856	0.02105799	5.7512193	up	rno_circRNA_003518
ASCRPR008081	0.001446388	0.011175514	2.1699376	up	rno_circRNA_008098
ASCRPR008095	0.000460505	0.00604595	3.6714398	up	rno_circRNA_013876
ASCRPR008127	1.59617E-05	0.001590761	3.7953466	up	rno_circRNA_011302
ASCRPR008157	2.60238E-05	0.00184891	3.3357933	up	rno_circRNA_003873

ASCRPR008184	0.004405792	0.021720059	2.1585052	up	rno_circRNA_003570
ASCRPR008187	0.00625302	0.026924206	3.1635134	up	rno_circRNA_011534
ASCRPR008215	0.000566314	0.006686279	2.0285659	up	rno_circRNA_010240
ASCRPR008234	0.019709599	0.057794204	2.479821	up	rno_circRNA_006664
ASCRPR008272	0.021337512	0.061032713	2.4884029	up	mmu_circRNA_38697
ASCRPR008307	0.001655245	0.012132829	4.0923701	up	rno_circRNA_001860
ASCRPR008311	0.000812119	0.008115195	3.4656729	up	mmu_circRNA_23739
ASCRPR008339	0.001155362	0.009924616	2.3907003	up	rno_circRNA_009403
ASCRPR008416	3.70994E-05	0.002036965	5.2658639	up	rno_circRNA_008706
ASCRPR008452	0.000115048	0.003200732	3.8951475	up	mmu_circRNA_31710
ASCRPR008461	0.004547167	0.022180824	2.033271	up	mmu_circRNA_19423
ASCRPR008477	1.7523E-05	0.001626664	3.3613255	up	rno_circRNA_010173
ASCRPR008501	3.30416E-05	0.001951418	6.0676135	up	mmu_circRNA_25559
ASCRPR008503	0.000121742	0.003212967	3.7855318	up	rno_circRNA_015529
ASCRPR008508	0.005861048	0.025902679	2.040193	up	mmu_circRNA_016530
ASCRPR008526	0.003144269	0.017710455	2.1888444	up	mmu_circRNA_24900
ASCRPR008551	9.95523E-05	0.002976163	2.7726284	up	rno_circRNA_001955
ASCRPR008563	1.67221E-06	0.001232923	11.1940662	up	mmu_circRNA_24927
ASCRPR008565	0.010414555	0.03779328	2.0811623	up	rno_circRNA_004438
ASCRPR008579	8.6977E-05	0.002865828	72.6138668	up	rno_circRNA_008695
ASCRPR008595	2.67912E-05	0.001865458	4.8376546	up	rno_circRNA_011109
ASCRPR008649	0.000339633	0.005167003	2.6191857	up	rno_circRNA_009451
ASCRPR008672	0.002121132	0.013928731	2.188156	up	rno_circRNA_015291
ASCRPR008705	0.036190717	0.088689653	2.1422532	up	rno_circRNA_009976
ASCRPR008751	0.031755194	0.081148857	2.0141909	up	rno_circRNA_002896
ASCRPR008771	0.018596168	0.055500225	2.5478011	up	rno_circRNA_003508
ASCRPR008775	0.010043182	0.036956849	2.1175384	up	rno_circRNA_017025
ASCRPR008778	8.731E-05	0.002867764	3.4765375	up	rno_circRNA_000107
ASCRPR008788	0.002709536	0.016071745	2.1880649	up	rno_circRNA_005386
ASCRPR008789	7.76963E-06	0.001317081	2.7098893	up	rno_circRNA_008670
ASCRPR008800	0.000616481	0.007001752	6.3721158	up	rno_circRNA_012696
ASCRPR008819	0.007997701	0.031572856	2.1836865	up	rno_circRNA_011590
ASCRPR008852	0.001280206	0.010469598	2.3099872	up	rno_circRNA_004806
ASCRPR008861	3.12153E-05	0.001944328	2.4386695	up	hsa_circRNA_405248
ASCRPR008895	0.039487975	0.094161003	3.0527339	up	rno_circRNA_014301
ASCRPR008909	0.001042222	0.009377939	2.2084389	up	rno_circRNA_005314
ASCRPR008921	1.04443E-05	0.001369907	2.0024117	up	rno_circRNA_002270
ASCRPR008922	0.028623237	0.075303679	2.6142544	up	rno_circRNA_013346
ASCRPR008968	0.000841766	0.008254991	8.4984141	up	mmu_circRNA_35121

ASCRPR008969	0.000392028	0.005628352	36.8118039	up	mmu_circRNA_31436
ASCRPR008979	7.6863E-07	0.001175494	4.4047229	up	mmu_circRNA_30782
ASCRPR009085	0.000436869	0.005926778	2.9212263	up	rno_circRNA_007464
ASCRPR009091	0.019925389	0.058089811	2.776635	up	rno_circRNA_014341
ASCRPR009150	0.003612492	0.019190448	5.212334	up	rno_circRNA_002457
ASCRPR009153	0.01913175	0.056574075	3.1272293	up	rno_circRNA_012390
ASCRPR009155	0.000130811	0.003280138	2.2845817	up	mmu_circRNA_36341
ASCRPR009157	0.000647811	0.007190227	2.2106061	up	rno_circRNA_008294
ASCRPR009159	0.000429144	0.005901159	2.100019	up	rno_circRNA_009852
ASCRPR009179	6.52812E-05	0.002529537	3.2514969	up	mmu_circRNA_25882
ASCRPR009184	0.036408327	0.089100463	3.2620297	up	rno_circRNA_005417
ASCRPR009186	0.002935074	0.016921954	3.5971779	up	rno_circRNA_007057
ASCRPR009188	0.000722672	0.007630003	2.1309885	up	rno_circRNA_000985
ASCRPR009198	0.000627172	0.007064624	2.2316203	up	rno_circRNA_011698
ASCRPR009200	0.003326869	0.018195557	2.2188322	up	rno_circRNA_013838
ASCRPR009381	0.00150529	0.011449095	4.1085981	up	rno_circRNA_007851
ASCRPR009397	5.39401E-05	0.002335994	3.1020339	up	rno_circRNA_003101
ASCRPR009421	0.000822424	0.008162818	2.0934647	up	rno_circRNA_005508
ASCRPR009433	0.000779056	0.007921329	3.6126042	up	rno_circRNA_007850
ASCRPR009440	0.004485109	0.021983682	2.2917182	up	rno_circRNA_011303
ASCRPR009461	0.000313955	0.004974061	9.7038838	up	rno_circRNA_017386
ASCRPR009491	3.82835E-05	0.002036965	2.7023923	up	rno_circRNA_002879
ASCRPR009503	0.000392388	0.005628352	2.4936928	up	rno_circRNA_011744
ASCRPR009514	0.00404887	0.020670147	2.6026112	up	mmu_circRNA_35822
ASCRPR009525	0.000121466	0.003212967	2.2804773	up	rno_circRNA_006331
ASCRPR009530	3.23424E-05	0.001951418	2.2659343	up	rno_circRNA_014016
ASCRPR009575	0.000208618	0.004124279	3.5555149	up	rno_circRNA_004334
ASCRPR009584	0.000109128	0.0030963	4.9185153	up	rno_circRNA_011975
ASCRPR009589	0.000255438	0.004478693	3.7409524	up	rno_circRNA_002266
ASCRPR009610	0.026527368	0.071443205	2.6916023	up	rno_circRNA_004910
ASCRPR009611	4.42968E-05	0.002150346	6.3302643	up	rno_circRNA_005195
ASCRPR009621	0.000341641	0.005183902	2.0909875	up	rno_circRNA_002319
ASCRPR009622	0.026873546	0.072090864	2.0141153	up	rno_circRNA_012300
ASCRPR009636	0.000137924	0.003355091	2.4712966	up	rno_circRNA_012235
ASCRPR009650	0.005205006	0.024164804	2.967103	up	rno_circRNA_008446
ASCRPR009679	0.000450887	0.005991011	5.6491186	up	rno_circRNA_010022
ASCRPR009685	0.01260287	0.042906951	2.3302494	up	mmu_circRNA_38575
ASCRPR009691	9.5019E-07	0.001175494	2.7082829	up	rno_circRNA_015914
ASCRPR009711	0.002077741	0.013791018	2.6074406	up	mmu_circRNA_35948

ASCRPR009722	7.36334E-06	0.001316009	5.5248459	up	rno_circRNA_002238
ASCRPR009754	0.000263668	0.004518468	2.6698853	up	rno_circRNA_013018
ASCRPR009755	0.011154351	0.039459674	6.0245626	up	mmu_circRNA_20121
ASCRPR009758	0.000240747	0.004430926	2.9231538	up	rno_circRNA_014481
ASCRPR009774	0.000502395	0.006295589	2.6964773	up	rno_circRNA_009513
ASCRPR009783	0.013515928	0.044815452	2.4422346	up	rno_circRNA_014300
ASCRPR009813	0.008041036	0.031683353	2.0323891	up	rno_circRNA_000487
ASCRPR009832	0.000829839	0.008211539	2.0376094	up	rno_circRNA_000787
ASCRPR009839	0.020295145	0.058815821	2.1036117	up	rno_circRNA_001917
ASCRPR009843	0.013135569	0.044090132	2.6899651	up	rno_circRNA_009861
ASCRPR009902	0.000454038	0.006007308	5.6664472	up	rno_circRNA_004496
ASCRPR009903	7.29409E-05	0.002625296	5.2163988	up	rno_circRNA_004508
ASCRPR009919	0.039899838	0.0948212	2.6515342	up	rno_circRNA_001434
ASCRPR009920	0.013662478	0.045136802	2.1413134	up	rno_circRNA_010673
ASCRPR009926	0.000278614	0.004680507	2.6212094	up	rno_circRNA_003947
ASCRPR009927	0.007926777	0.031423733	2.1306622	up	rno_circRNA_010625
ASCRPR009944	0.001067311	0.00948939	2.4931515	up	rno_circRNA_007765
ASCRPR009948	0.004174458	0.021031919	3.1040406	up	rno_circRNA_004163
ASCRPR009958	0.006138788	0.026610505	2.8045799	up	rno_circRNA_008178
ASCRPR009991	0.002673018	0.015953325	2.2908891	up	rno_circRNA_014274
ASCRPR010018	0.020569037	0.059357359	2.1201805	up	rno_circRNA_016040
ASCRPR010020	0.000147008	0.003433786	3.6462275	up	rno_circRNA_004062
ASCRPR010055	3.96309E-05	0.002060386	2.2994092	up	rno_circRNA_010357
ASCRPR010061	5.55246E-05	0.00235221	2.8320688	up	rno_circRNA_012519
ASCRPR010105	0.012515914	0.042671727	2.2903231	up	rno_circRNA_007429
ASCRPR010146	0.005363322	0.024520667	2.2724269	up	rno_circRNA_013035
ASCRPR010171	0.000311291	0.004949094	2.5663832	up	rno_circRNA_016419
ASCRPR010184	0.004814079	0.023025542	2.7211509	up	mmu_circRNA_016001
ASCRPR010192	0.041209122	0.097103754	3.555644	up	rno_circRNA_014845
ASCRPR010233	0.001965938	0.013408176	2.7936692	up	rno_circRNA_008565
ASCRPR010249	0.000488663	0.006223956	2.4169896	up	rno_circRNA_008883
ASCRPR010274	0.020460497	0.059181859	2.1445054	up	rno_circRNA_009132
ASCRPR010289	0.000795999	0.008010916	2.0153029	up	rno_circRNA_013034
ASCRPR010300	1.10592E-06	0.001175494	3.3195863	up	rno_circRNA_008983
ASCRPR010301	2.01316E-05	0.001695159	4.6468393	up	rno_circRNA_011971
ASCRPR010306	0.011291457	0.039718093	2.645422	up	rno_circRNA_001293
ASCRPR010326	0.001649567	0.012110736	2.5896048	up	mmu_circRNA_37089
ASCRPR010361	4.24112E-05	0.002096128	6.9882811	up	rno_circRNA_006547
ASCRPR010369	0.024893314	0.068186687	2.9434255	up	rno_circRNA_014797

ASCRPR010389	0.0007155	0.007597511	3.9249192	up	rno_circRNA_008170
ASCRPR010408	6.25008E-06	0.001316009	2.0028897	up	mmu_circRNA_41289
ASCRPR010449	1.7328E-05	0.001626664	2.6641504	up	rno_circRNA_010871
ASCRPR010472	4.9798E-07	0.001175494	2.1955959	up	rno_circRNA_012623
ASCRPR010483	0.006599645	0.027966994	2.8790133	up	rno_circRNA_007648
ASCRPR010484	0.005953355	0.026171353	2.5929751	up	rno_circRNA_013860
ASCRPR010488	0.002429245	0.015101617	2.0408388	up	rno_circRNA_004426
ASCRPR010510	2.58909E-05	0.00184891	2.0067237	up	mmu_circRNA_32095
ASCRPR010523	0.034878059	0.086410948	2.0333917	up	rno_circRNA_010932
ASCRPR010527	0.00056367	0.006674502	3.2865395	up	rno_circRNA_002503
ASCRPR010549	0.017148987	0.052704736	2.5185733	up	rno_circRNA_015669
ASCRPR010572	0.033173099	0.083683366	2.2203463	up	rno_circRNA_016937
ASCRPR010575	0.001277812	0.010456288	2.2383689	up	mmu_circRNA_34911
ASCRPR010624	0.000427701	0.005898748	2.1589869	up	rno_circRNA_012944
ASCRPR010626	0.000750127	0.007775444	2.8961771	up	rno_circRNA_016229
ASCRPR010656	9.66458E-06	0.001317081	2.2136526	up	rno_circRNA_009033
ASCRPR010719	0.00104804	0.009399283	2.3663364	up	rno_circRNA_006853
ASCRPR010730	0.041465108	0.097437647	2.0233047	up	rno_circRNA_004918
ASCRPR010742	0.007984095	0.031550127	4.0471945	up	rno_circRNA_004920
ASCRPR010744	0.035282329	0.087069965	2.0263468	up	rno_circRNA_016054
ASCRPR010795	0.002701548	0.016036475	3.9869892	up	rno_circRNA_013009
ASCRPR010802	0.008171577	0.032068031	2.7408584	up	rno_circRNA_009734
ASCRPR010808	0.00031313	0.004966754	2.2308601	up	rno_circRNA_000998
ASCRPR010848	1.2821E-05	0.00146213	6.2229423	up	rno_circRNA_012306
ASCRPR010890	0.022710686	0.063915094	2.2207798	up	rno_circRNA_001924
ASCRPR010921	0.008098182	0.031844133	2.0825636	up	rno_circRNA_000929
ASCRPR010927	0.000177855	0.003780907	2.3862705	up	rno_circRNA_017558
ASCRPR010928	3.11547E-05	0.001944328	2.6348841	up	rno_circRNA_016183
ASCRPR010939	0.00310801	0.017569883	2.7947839	up	rno_circRNA_004183
ASCRPR010941	0.023731466	0.066052016	2.3295987	up	rno_circRNA_006742
ASCRPR010944	0.00112919	0.009781494	2.0527855	up	rno_circRNA_000973
ASCRPR010948	0.000287348	0.004728241	2.597067	up	rno_circRNA_016680
ASCRPR011005	0.001409057	0.011019408	6.1281034	up	hsa_circRNA_103198
ASCRPR011011	1.16353E-05	0.00146213	2.0535374	up	rno_circRNA_004430
ASCRPR011020	0.000922747	0.008681191	2.1569877	up	rno_circRNA_010898
ASCRPR011034	0.005039766	0.023681992	2.6708435	up	rno_circRNA_000363
ASCRPR011045	0.000922158	0.008681191	2.197458	up	rno_circRNA_004363
ASCRPR011049	0.001534862	0.011550318	2.2164136	up	rno_circRNA_005385
ASCRPR011055	0.001057948	0.009438241	2.2908663	up	rno_circRNA_008815

ASCRPR011085	0.002175274	0.014120059	6.2263726	up	mmu_circRNA_34414
ASCRPR011099	0.001058611	0.009438241	2.2516484	up	mmu_circRNA_45030
ASCRPR011108	0.005938703	0.026132208	2.5709776	up	rno_circRNA_018054
ASCRPR011119	0.00236382	0.014873151	2.8983789	up	rno_circRNA_012116
ASCRPR011124	0.000046898	0.002205985	3.1642008	up	rno_circRNA_017503
ASCRPR011138	0.000785028	0.007949159	12.9580724	up	rno_circRNA_005765
ASCRPR011146	0.001724439	0.012439487	2.3806035	up	rno_circRNA_009524
ASCRPR011147	0.004146817	0.020973946	2.2061506	up	rno_circRNA_013230
ASCRPR011180	0.000788515	0.007965627	2.922629	up	rno_circRNA_006108
ASCRPR011199	0.034476373	0.085819746	2.3225275	up	rno_circRNA_013348
ASCRPR011208	6.11973E-05	0.00243507	3.1514716	up	rno_circRNA_012520
ASCRPR011226	0.000244007	0.004439023	2.1174879	up	rno_circRNA_012284
ASCRPR011253	0.00334284	0.018239874	2.0181714	up	rno_circRNA_004765
ASCRPR011270	6.62008E-05	0.002529537	2.1084713	up	rno_circRNA_008379
ASCRPR011273	0.000386636	0.005575158	2.9861489	up	rno_circRNA_012107
ASCRPR011276	1.6399E-07	0.001118494	16.3139119	up	mmu_circRNA_32201
ASCRPR011288	0.000226547	0.00429796	2.658351	up	rno_circRNA_004805
ASCRPR011297	0.001719309	0.012434103	2.0313985	up	rno_circRNA_005342
ASCRPR011316	0.041361451	0.09729463	2.0856293	up	rno_circRNA_017375
ASCRPR011323	0.002099075	0.013872813	2.8654643	up	rno_circRNA_014603
ASCRPR011325	0.00794412	0.031455949	2.6747562	up	rno_circRNA_016783
ASCRPR011387	0.000354378	0.005294715	2.1528522	up	mmu_circRNA_45384
ASCRPR011393	0.001477065	0.011319462	3.5512185	up	rno_circRNA_005400
ASCRPR011493	0.000478302	0.006155207	7.9143326	up	rno_circRNA_011562
ASCRPR011505	0.001391894	0.010937113	4.519575	up	rno_circRNA_005166
ASCRPR011533	0.006622307	0.028027426	2.016591	up	rno_circRNA_001832
ASCRPR011538	0.001227307	0.010258387	3.0348707	up	rno_circRNA_001923
ASCRPR011599	0.001200867	0.010153491	2.2169328	up	rno_circRNA_002378
ASCRPR011601	0.000478117	0.006155207	2.1059674	up	rno_circRNA_006088
ASCRPR011609	0.000119101	0.003212967	3.8291016	up	rno_circRNA_012221
ASCRPR011629	0.014749898	0.047642817	2.8834439	up	rno_circRNA_015824
ASCRPR011655	0.023750966	0.066086593	3.9449565	up	rno_circRNA_013258
ASCRPR011689	4.54616E-05	0.002160771	2.5936356	up	rno_circRNA_000849
ASCRPR011698	0.000553706	0.006626362	2.0865047	up	rno_circRNA_013023
ASCRPR011769	0.000547881	0.006590512	2.0184075	up	rno_circRNA_016676
ASCRPR011819	0.00014559	0.003408127	7.4017609	up	rno_circRNA_000601
ASCRPR011882	0.00621076	0.026827413	2.64298	up	rno_circRNA_005353
ASCRPR011900	4.33937E-06	0.00130808	2.9391488	up	rno_circRNA_012891
ASCRPR011947	0.005099032	0.023853186	2.77453	up	mmu_circRNA_29775

ASCRPR011956	0.000755442	0.007812729	2.8745496	up	rno_circRNA_007080
ASCRPR011971	0.002444997	0.015132576	2.2776226	up	rno_circRNA_011384
ASCRPR011984	0.036756907	0.089583878	2.0566252	up	rno_circRNA_013124
ASCRPR012001	0.000640941	0.00713462	3.8849196	up	rno_circRNA_008768
ASCRPR012009	0.011242739	0.039618237	2.2024975	up	rno_circRNA_009596
ASCRPR012040	0.001156625	0.009929214	2.3486142	up	rno_circRNA_012614
ASCRPR012050	0.007744741	0.030963073	6.3304465	up	mmu_circRNA_011174
ASCRPR012096	0.002144084	0.013980617	8.2000653	up	rno_circRNA_012731
ASCRPR012106	0.002181454	0.014149885	5.0312861	up	rno_circRNA_001993
ASCRPR012136	0.000566626	0.006686279	3.0304482	up	rno_circRNA_003348
ASCRPR012153	0.000181088	0.003788677	3.3325911	up	rno_circRNA_001985
ASCRPR012170	1.26606E-05	0.00146213	3.0438518	up	rno_circRNA_015630
ASCRPR012191	0.000364979	0.005385003	2.9730825	up	rno_circRNA_015362
ASCRPR012193	0.004107132	0.020852747	2.1706802	up	rno_circRNA_003210
ASCRPR012238	7.7999E-05	0.002718471	2.4680427	up	rno_circRNA_006092
ASCRPR012248	0.022911071	0.064266898	4.3522633	up	rno_circRNA_017231
ASCRPR012251	0.004470826	0.021945497	2.6208345	up	rno_circRNA_001043
ASCRPR012262	0.031985827	0.081554891	3.9721541	up	rno_circRNA_007164
ASCRPR012271	0.012949246	0.043712115	3.2649111	up	rno_circRNA_012927
ASCRPR012272	0.021153758	0.060646997	2.1239365	up	rno_circRNA_007567
ASCRPR012325	0.001214353	0.010206398	3.3755769	up	mmu_circRNA_24239
ASCRPR012333	0.008648343	0.033203504	2.1742132	up	rno_circRNA_001108
ASCRPR012344	0.022520584	0.06357684	2.2670139	up	rno_circRNA_011307
ASCRPR012369	3.23455E-05	0.001951418	3.5030376	up	rno_circRNA_015498
ASCRPR012381	0.002065308	0.01377159	2.6564232	up	rno_circRNA_001928
ASCRPR012410	0.000143765	0.003398795	3.0569876	up	rno_circRNA_004815
ASCRPR012505	0.020299559	0.058816118	3.4021679	up	mmu_circRNA_45697
ASCRPR012588	0.004198388	0.021086236	2.3949324	up	rno_circRNA_009115
ASCRPR012589	0.000258343	0.004484747	2.2901748	up	mmu_circRNA_40902
ASCRPR012626	0.000117548	0.003212967	2.6589035	up	rno_circRNA_011637
ASCRPR012654	0.002491242	0.01531498	5.4773504	up	rno_circRNA_007538
ASCRPR012670	6.59443E-05	0.002529537	4.5975737	up	mmu_circRNA_24703
ASCRPR012672	0.002444622	0.015132576	4.4355072	up	rno_circRNA_013223
ASCRPR012673	5.8277E-07	0.001175494	5.7279274	up	mmu_circRNA_36457
ASCRPR012696	3.84029E-05	0.002036965	5.3545509	up	rno_circRNA_012091
ASCRPR012703	0.004201206	0.021092619	2.3954955	up	rno_circRNA_003039
ASCRPR012731	0.006271257	0.02698619	2.2099094	up	rno_circRNA_015476
ASCRPR012782	0.036728715	0.089547167	2.0218221	up	rno_circRNA_009851
ASCRPR012812	0.000160719	0.003568041	2.6356434	up	rno_circRNA_001735

ASCRPR012834	1.3991E-05	0.001491021	2.4161635	up	rno_circRNA_015663
ASCRPR012869	0.020182733	0.058602098	2.1289383	up	rno_circRNA_014831
ASCRPR012870	0.000952343	0.008873572	2.2398176	up	rno_circRNA_003033
ASCRPR012875	0.000485557	0.006211648	2.1977683	up	rno_circRNA_003158
ASCRPR012876	0.000285835	0.004720428	2.2646879	up	rno_circRNA_017502
ASCRPR012941	0.009674942	0.03592158	2.3358351	up	rno_circRNA_007253
ASCRPR012977	0.003036766	0.01729397	14.4553978	up	rno_circRNA_002186
ASCRPR013007	0.000830717	0.008211539	2.4276293	up	mmu_circRNA_009095
ASCRPR013031	0.03190645	0.081398145	2.6128585	up	rno_circRNA_016922
ASCRPR013057	0.002119199	0.013928731	2.3939056	up	rno_circRNA_009147
ASCRPR013061	0.002593063	0.015691543	2.0673629	up	rno_circRNA_017346
ASCRPR013079	0.015742582	0.04962897	2.3110575	up	rno_circRNA_005251
ASCRPR013090	0.000262336	0.004516852	3.0341109	up	rno_circRNA_010908
ASCRPR013099	9.68501E-05	0.002931776	3.0284691	up	rno_circRNA_015306
ASCRPR013118	0.000239787	0.004420182	6.6292059	up	rno_circRNA_017376
ASCRPR013136	0.000961565	0.008922928	2.5561641	up	rno_circRNA_000604
ASCRPR013141	0.000162177	0.003585513	6.9312045	up	mmu_circRNA_21243
ASCRPR013161	0.001921087	0.01319514	4.3426809	up	rno_circRNA_001215
ASCRPR013170	0.004979924	0.023562656	3.6688467	up	rno_circRNA_015981
ASCRPR013171	0.001126948	0.009781494	2.9829754	up	rno_circRNA_015979
ASCRPR013248	0.000472245	0.00610606	3.8429273	up	rno_circRNA_008771
ASCRPR013264	0.035784785	0.0879714	2.5671601	up	mmu_circRNA_23866
ASCRPR013277	6.03786E-05	0.00243507	4.9369796	up	rno_circRNA_008770
ASCRPR013311	0.013086317	0.04398976	2.4304988	up	rno_circRNA_009350
ASCRPR013319	0.000464507	0.006069294	10.5772605	up	hsa_circRNA_102025
ASCRPR013331	7.79029E-05	0.002718471	2.4489407	up	rno_circRNA_005984
ASCRPR013349	0.0008283	0.008211368	2.7963611	up	mmu_circRNA_19481
ASCRPR013358	0.017631781	0.053770427	3.2700831	up	rno_circRNA_016940
ASCRPR013368	0.039261095	0.093842755	2.4213923	up	mmu_circRNA_014539
ASCRPR013402	0.000495859	0.006258894	3.4156873	up	rno_circRNA_011068
ASCRPR013420	0.00068038	0.007407072	5.3206316	up	rno_circRNA_009552
ASCRPR013429	3.92745E-05	0.002052657	3.8129408	up	rno_circRNA_002265
ASCRPR013438	7.19486E-05	0.002625296	2.1179213	up	rno_circRNA_017912
ASCRPR013460	0.004483774	0.021983682	2.6805615	up	rno_circRNA_013362
ASCRPR013486	0.001189898	0.010106721	2.0186491	up	mmu_circRNA_18938
ASCRPR013493	0.000158606	0.003558463	2.5108025	up	rno_circRNA_013109
ASCRPR013528	0.007133226	0.029477231	2.0912676	up	rno_circRNA_017712
ASCRPR013550	0.030248418	0.078376683	2.5615454	up	mmu_circRNA_45797
ASCRPR013597	0.000105729	0.003043304	3.1523586	up	rno_circRNA_008193

ASCRPR013650	0.000115869	0.003212548	4.6293125	up	rno_circRNA_008727
ASCRPR013684	0.000180183	0.00378246	2.9592352	up	rno_circRNA_007177
ASCRPR013717	0.000180487	0.00378246	4.2675774	up	rno_circRNA_014657
ASCRPR013724	0.000178222	0.003780907	4.7720801	up	rno_circRNA_008767
ASCRPR013728	3.40259E-06	0.00130808	2.3702787	up	mmu_circRNA_24109
ASCRPR013743	0.001643513	0.012099678	44.6341874	up	mmu_circRNA_010964
ASCRPR013768	1.18566E-06	0.001175494	2.2966393	up	rno_circRNA_013774
ASCRPR013789	0.003931852	0.020308364	8.6535686	up	rno_circRNA_004148
ASCRPR013810	0.001338747	0.010708991	2.3331178	up	mmu_circRNA_011775
ASCRPR013813	9.57804E-06	0.001317081	3.2515401	up	rno_circRNA_013546
ASCRPR013864	0.037879954	0.09160086	4.9277188	up	rno_circRNA_016014
ASCRPR013912	0.016657877	0.051584076	2.4192696	up	rno_circRNA_006919
ASCRPR013964	0.044201486	0.102056952	2.6343877	up	rno_circRNA_010117
ASCRPR013979	0.003178268	0.017826859	2.7055641	up	rno_circRNA_002547
ASCRPR014039	2.64811E-05	0.001862006	5.0623836	up	rno_circRNA_000677
ASCRPR014042	0.00152148	0.011500657	2.3642235	up	rno_circRNA_017097
ASCRPR014054	0.008809915	0.033598211	2.5589544	up	rno_circRNA_014485
ASCRPR014060	0.001099292	0.009646051	2.3545614	up	rno_circRNA_009328
ASCRPR014135	0.001342444	0.010711922	2.4593188	up	rno_circRNA_017395
ASCRPR014140	0.000090112	0.002869893	2.2390365	up	rno_circRNA_004873
ASCRPR000010	0.000191918	0.003930865	2.9664615	down	rno_circRNA_012825
ASCRPR000011	0.045263775	0.103876708	2.3210456	down	rno_circRNA_003330
ASCRPR000034	4.26519E-05	0.002100415	2.0917991	down	rno_circRNA_003105
ASCRPR000039	0.008778137	0.033528667	3.29204	down	rno_circRNA_002010
ASCRPR000093	0.013452979	0.044682756	2.2207177	down	rno_circRNA_016152
ASCRPR000109	0.000154511	0.003512797	2.4560673	down	rno_circRNA_004767
ASCRPR000117	0.014803505	0.047727395	3.7012603	down	rno_circRNA_014987
ASCRPR000129	0.01242139	0.042461485	2.166257	down	rno_circRNA_004190
ASCRPR000147	0.001612229	0.011951374	2.3616683	down	rno_circRNA_007926
ASCRPR000182	0.008742375	0.033470315	2.2670048	down	mmu_circRNA_009319
ASCRPR000228	0.001294178	0.010539632	2.0820763	down	rno_circRNA_008473
ASCRPR000253	0.000298456	0.004869907	2.1552652	down	rno_circRNA_008605
ASCRPR000255	0.041220839	0.097114195	3.3104884	down	rno_circRNA_008209
ASCRPR000258	0.002116893	0.013928731	2.1478464	down	rno_circRNA_003578
ASCRPR000275	0.001379263	0.010881738	2.2766338	down	rno_circRNA_006149
ASCRPR000357	0.001332397	0.010692088	2.7940557	down	rno_circRNA_017654
ASCRPR000366	0.002792545	0.016384132	2.0772764	down	rno_circRNA_006139
ASCRPR000370	0.002025584	0.013638198	2.2467155	down	rno_circRNA_000225
ASCRPR000373	0.020150362	0.058545492	2.1272643	down	rno_circRNA_006785

ASCRPR000408	5.96997E-06	0.001316009	2.9862695	down	rno_circRNA_001547
ASCRPR000410	8.37058E-05	0.002835413	2.8314989	down	rno_circRNA_006580
ASCRPR000421	0.000452653	0.006000765	2.8903849	down	rno_circRNA_002521
ASCRPR000439	0.000114037	0.003200732	2.8800918	down	rno_circRNA_011115
ASCRPR000469	0.034787591	0.086263866	2.2222172	down	rno_circRNA_012538
ASCRPR000477	0.005996077	0.02625762	2.1818235	down	hsa_circRNA_038815
ASCRPR000498	4.10509E-06	0.00130808	2.898777	down	rno_circRNA_001748
ASCRPR000537	0.002623167	0.015805043	3.050934	down	mmu_circRNA_20240
ASCRPR000675	7.79936E-05	0.002718471	2.4147447	down	mmu_circRNA_22734
ASCRPR000678	0.001669303	0.012175834	2.0003359	down	rno_circRNA_013664
ASCRPR000685	0.000699869	0.007535052	2.5413373	down	rno_circRNA_001407
ASCRPR000747	0.026209044	0.07086763	2.2118503	down	rno_circRNA_013099
ASCRPR000771	9.43345E-05	0.002931776	2.0717567	down	rno_circRNA_000466
ASCRPR000875	0.002837826	0.016536004	2.166805	down	mmu_circRNA_24196
ASCRPR000889	0.005386586	0.024591173	2.44748	down	rno_circRNA_005371
ASCRPR000910	0.001176854	0.010032557	2.7253763	down	rno_circRNA_013299
ASCRPR000926	0.013013524	0.043842739	3.3508447	down	rno_circRNA_004858
ASCRPR000932	0.014694053	0.047531795	2.5060232	down	rno_circRNA_000269
ASCRPR000975	0.000276086	0.004666778	3.8514853	down	mmu_circRNA_002279
ASCRPR000976	0.000155339	0.003521546	2.1824396	down	rno_circRNA_005986
ASCRPR000979	0.000565882	0.006686279	2.1263525	down	rno_circRNA_003234
ASCRPR000997	0.043628158	0.10111292	2.3844235	down	hsa_circRNA_004988
ASCRPR001008	4.50859E-05	0.002157954	2.5350873	down	rno_circRNA_001453
ASCRPR001028	0.001243906	0.010327525	3.3997384	down	rno_circRNA_000774
ASCRPR001034	0.000432624	0.005913246	2.1723774	down	rno_circRNA_012198
ASCRPR001051	4.61645E-05	0.002186564	7.5541253	down	rno_circRNA_010502
ASCRPR001056	0.000405324	0.005736617	2.1212727	down	rno_circRNA_009706
ASCRPR001104	0.000105817	0.003043304	2.2147188	down	mmu_circRNA_25200
ASCRPR001160	0.000372688	0.005449632	2.4204695	down	rno_circRNA_001041
ASCRPR001165	0.014911988	0.047941182	2.7832311	down	rno_circRNA_011037
ASCRPR001206	0.00033037	0.005092179	2.2141463	down	rno_circRNA_000801
ASCRPR001312	0.005919637	0.026065127	2.1007382	down	rno_circRNA_000394
ASCRPR001321	0.007405608	0.030067756	2.0822013	down	rno_circRNA_011379
ASCRPR001403	0.001623092	0.011990431	2.3907827	down	rno_circRNA_001397
ASCRPR001412	0.020778641	0.059791737	2.04632	down	rno_circRNA_015405
ASCRPR001423	4.65008E-05	0.002194868	4.162001	down	rno_circRNA_001026
ASCRPR001447	0.000185026	0.003839365	2.0769392	down	mmu_circRNA_19026
ASCRPR001488	0.002344923	0.014836314	2.362651	down	rno_circRNA_008343
ASCRPR001513	9.63912E-05	0.002931776	5.8137491	down	rno_circRNA_001888

ASCRPR001544	0.000125898	0.003243328	2.0925971	down	rno_circRNA_005763
ASCRPR001545	0.000103991	0.003031081	2.4428509	down	rno_circRNA_017911
ASCRPR001607	4.84482E-05	0.00223271	2.1587021	down	rno_circRNA_007294
ASCRPR001629	2.88903E-06	0.001232923	2.0427724	down	rno_circRNA_017997
ASCRPR001680	0.007667806	0.030745601	2.2693862	down	mmu_circRNA_35771
ASCRPR001693	0.027492118	0.073194325	2.3592428	down	rno_circRNA_009357
ASCRPR001718	0.000502595	0.006295589	5.4766234	down	rno_circRNA_016244
ASCRPR001727	0.002491309	0.01531498	2.1045117	down	mmu_circRNA_45756
ASCRPR001754	0.000447271	0.005984211	2.3891738	down	rno_circRNA_002299
ASCRPR001772	9.04008E-05	0.002869893	2.1224232	down	rno_circRNA_010020
ASCRPR001811	0.002382587	0.014956681	2.2575208	down	rno_circRNA_011209
ASCRPR001813	0.001209853	0.010180162	3.0520352	down	rno_circRNA_015119
ASCRPR001826	0.000358127	0.005333197	2.7834814	down	rno_circRNA_000716
ASCRPR001869	0.007307419	0.029853399	4.4220246	down	mmu_circRNA_32218
ASCRPR001874	6.85834E-05	0.002591541	3.543588	down	rno_circRNA_005352
ASCRPR001935	1.89605E-05	0.001626664	3.2683367	down	rno_circRNA_017544
ASCRPR001952	0.01824211	0.05481071	2.0539257	down	mmu_circRNA_36330
ASCRPR001960	7.97349E-06	0.001317081	5.1539848	down	mmu_circRNA_35046
ASCRPR001964	0.003217809	0.017937939	2.0909566	down	rno_circRNA_002954
ASCRPR002005	0.000219377	0.004230591	2.3402628	down	rno_circRNA_011721
ASCRPR002062	0.000263082	0.004516852	7.7904565	down	rno_circRNA_011493
ASCRPR002094	0.000183711	0.003825952	2.0048689	down	rno_circRNA_007643
ASCRPR002121	0.042942808	0.099962943	2.6150145	down	rno_circRNA_002002
ASCRPR002158	0.000160316	0.003568041	3.1049897	down	rno_circRNA_015396
ASCRPR002209	0.000440884	0.005948125	2.0894096	down	rno_circRNA_015872
ASCRPR002229	0.000601558	0.00692428	4.0047794	down	rno_circRNA_014717
ASCRPR002252	0.000567463	0.006690376	2.2339788	down	rno_circRNA_009836
ASCRPR002285	0.000555719	0.006626362	2.148764	down	rno_circRNA_012597
ASCRPR002294	0.001233198	0.010288721	2.2136209	down	rno_circRNA_015429
ASCRPR002299	0.000245651	0.004439023	4.0901522	down	rno_circRNA_007945
ASCRPR002301	0.002444554	0.015132576	3.930392	down	rno_circRNA_013564
ASCRPR002326	0.001130601	0.009785869	6.1367818	down	mmu_circRNA_27047
ASCRPR002446	0.00113187	0.009790643	2.0411877	down	rno_circRNA_012645
ASCRPR002543	2.68238E-05	0.001865458	3.8526627	down	mmu_circRNA_30550
ASCRPR002576	0.000134801	0.003313184	3.3964884	down	rno_circRNA_015485
ASCRPR002638	0.001441344	0.011145904	2.1271993	down	rno_circRNA_000578
ASCRPR002639	0.00024704	0.004439023	2.0606567	down	rno_circRNA_000572
ASCRPR002653	0.002415413	0.015065684	4.3724851	down	rno_circRNA_000904
ASCRPR002670	0.000132078	0.003293742	2.0559004	down	rno_circRNA_010855

ASCRPR002677	5.13755E-06	0.00130808	3.3424089	down	mmu_circRNA_30887
ASCRPR002689	0.000330211	0.005092179	2.0086536	down	mmu_circRNA_26083
ASCRPR002701	0.000352975	0.005285333	2.0576286	down	mmu_circRNA_45818
ASCRPR002708	0.000404424	0.005734659	2.1253228	down	rno_circRNA_014468
ASCRPR002734	0.000244751	0.004439023	2.8869252	down	rno_circRNA_011724
ASCRPR002740	0.000284283	0.004711917	5.8223522	down	rno_circRNA_014486
ASCRPR002761	5.46538E-05	0.002335994	2.5209541	down	mmu_circRNA_34441
ASCRPR002780	0.000585015	0.006791442	3.8311978	down	rno_circRNA_007941
ASCRPR002816	0.006042898	0.02638642	4.0658034	down	rno_circRNA_004760
ASCRPR002839	0.001447122	0.011175514	2.0621175	down	rno_circRNA_007101
ASCRPR002854	2.8381E-05	0.001888512	2.2702166	down	rno_circRNA_001507
ASCRPR002891	4.47468E-05	0.002150346	2.6047415	down	rno_circRNA_011746
ASCRPR002896	0.002904488	0.016815737	2.1023463	down	rno_circRNA_002490
ASCRPR002926	0.00081265	0.008115195	4.8377805	down	mmu_circRNA_25585
ASCRPR002931	0.000145659	0.003408127	2.8391302	down	rno_circRNA_000020
ASCRPR002936	0.040033933	0.094990933	2.0800311	down	mmu_circRNA_39001
ASCRPR002937	0.000407013	0.005749538	2.2907602	down	rno_circRNA_002533
ASCRPR002938	0.003049156	0.017306056	2.0100089	down	rno_circRNA_013803
ASCRPR002946	0.010088346	0.037063057	2.051955	down	mmu_circRNA_23218
ASCRPR002951	0.002023364	0.013638198	2.0232297	down	rno_circRNA_001737
ASCRPR002954	0.000734534	0.007677993	2.6016891	down	rno_circRNA_013965
ASCRPR002965	4.80215E-06	0.00130808	3.9300456	down	rno_circRNA_004196
ASCRPR003055	0.003367569	0.01832028	2.8265792	down	rno_circRNA_005746
ASCRPR003065	6.07855E-05	0.00243507	2.7435263	down	mmu_circRNA_24701
ASCRPR003072	4.73641E-05	0.002220251	4.2303748	down	rno_circRNA_015168
ASCRPR003087	0.000175464	0.00375746	2.8333759	down	rno_circRNA_010447
ASCRPR003093	0.000128778	0.003253079	2.2626168	down	rno_circRNA_009223
ASCRPR003117	0.001234055	0.010289576	3.691074	down	rno_circRNA_003309
ASCRPR003124	0.000183017	0.003817324	2.1892261	down	rno_circRNA_009361
ASCRPR003132	8.35092E-05	0.002835413	3.0166347	down	rno_circRNA_011740
ASCRPR003133	4.06817E-05	0.002070884	3.536588	down	rno_circRNA_005752
ASCRPR003149	0.000413594	0.005792444	2.1166657	down	rno_circRNA_017655
ASCRPR003169	0.000578016	0.006756398	5.8718892	down	rno_circRNA_003696
ASCRPR003171	0.019154207	0.056615933	2.8120043	down	rno_circRNA_016868
ASCRPR003174	0.001978034	0.013437429	3.1771686	down	rno_circRNA_015555
ASCRPR003207	0.000309989	0.004945684	2.6587546	down	mmu_circRNA_24601
ASCRPR003264	0.001340096	0.010708991	2.1747762	down	rno_circRNA_001166
ASCRPR003277	5.6132E-05	0.002352649	2.6054397	down	rno_circRNA_011768
ASCRPR003317	0.000228005	0.004307771	4.8964815	down	rno_circRNA_006154

ASCRPR003337	0.001794461	0.012689599	4.7174034	down	mmu_circRNA_34138
ASCRPR003342	0.001952799	0.013338826	2.6548929	down	rno_circRNA_014124
ASCRPR003381	0.002997443	0.017151056	3.4830538	down	rno_circRNA_008522
ASCRPR003384	0.000008357	0.001317081	2.1378401	down	rno_circRNA_008914
ASCRPR003394	6.91057E-05	0.002604065	2.5373376	down	rno_circRNA_013064
ASCRPR003435	0.021728515	0.061852813	2.4525188	down	rno_circRNA_009314
ASCRPR003448	0.000139419	0.003366033	3.641574	down	rno_circRNA_000719
ASCRPR003461	0.000726574	0.007647526	2.7748128	down	rno_circRNA_010301
ASCRPR003470	0.012382499	0.04239258	7.2276087	down	rno_circRNA_003031
ASCRPR003491	0.005827401	0.025817338	3.1839409	down	rno_circRNA_002042
ASCRPR003493	0.019789964	0.057855744	2.678681	down	rno_circRNA_002043
ASCRPR003512	0.001480562	0.011333529	2.4743067	down	rno_circRNA_006738
ASCRPR003557	0.002480905	0.01529793	2.1759439	down	mmu_circRNA_24152
ASCRPR003573	8.67669E-05	0.002865827	3.4328342	down	rno_circRNA_009775
ASCRPR003576	0.000219335	0.004230591	2.3621346	down	mmu_circRNA_33253
ASCRPR003580	0.004165007	0.021030986	2.2075831	down	rno_circRNA_006793
ASCRPR003663	5.62249E-05	0.002352649	2.1864313	down	rno_circRNA_008407
ASCRPR003686	0.000118303	0.003212967	3.5653906	down	rno_circRNA_003559
ASCRPR003701	0.000121596	0.003212967	2.2111413	down	rno_circRNA_013728
ASCRPR003709	0.00033977	0.005167003	2.3050379	down	rno_circRNA_001648
ASCRPR003711	0.00035387	0.005292921	3.1952327	down	rno_circRNA_008937
ASCRPR003796	0.010357356	0.037665872	3.5118429	down	rno_circRNA_012789
ASCRPR003871	8.411E-05	0.002835413	2.4738564	down	rno_circRNA_005155
ASCRPR003929	0.002074846	0.013779463	2.024668	down	rno_circRNA_012864
ASCRPR003963	0.015921979	0.050055706	2.0000935	down	rno_circRNA_013578
ASCRPR003986	0.000166374	0.003637023	2.1170542	down	rno_circRNA_005235
ASCRPR003998	0.000335522	0.005130876	2.3151003	down	mmu_circRNA_43201
ASCRPR004026	0.000187668	0.003872887	2.6329979	down	rno_circRNA_001904
ASCRPR004027	0.003903855	0.020202007	2.1976149	down	rno_circRNA_011789
ASCRPR004030	0.001591842	0.011865746	3.7332478	down	mmu_circRNA_21620
ASCRPR004031	0.001008811	0.009210973	2.4773704	down	rno_circRNA_004640
ASCRPR004046	0.008365062	0.032537157	4.2489948	down	rno_circRNA_008740
ASCRPR004077	0.002104921	0.01389103	2.2085023	down	rno_circRNA_010594
ASCRPR004080	0.002000299	0.013568411	2.8001708	down	rno_circRNA_010152
ASCRPR004095	1.30876E-05	0.00146213	2.7519	down	rno_circRNA_007072
ASCRPR004133	0.02339638	0.065372802	2.056835	down	rno_circRNA_005021
ASCRPR004160	0.001541544	0.011575862	2.3884238	down	rno_circRNA_011400
ASCRPR004175	2.82124E-05	0.001886495	2.1355586	down	rno_circRNA_009374
ASCRPR004180	0.011766433	0.04098721	5.1124949	down	rno_circRNA_004127

ASCRPR004219	0.000671496	0.007351426	2.1574184	down	rno_circRNA_003324
ASCRPR004220	0.016129721	0.050479714	2.1517029	down	rno_circRNA_017176
ASCRPR004221	1.23831E-05	0.00146213	2.1093995	down	rno_circRNA_006181
ASCRPR004224	0.001307894	0.010599783	2.4043524	down	rno_circRNA_017302
ASCRPR004226	8.89772E-05	0.002869893	4.9016082	down	rno_circRNA_011604
ASCRPR004248	0.002082045	0.013794	2.1369881	down	rno_circRNA_015775
ASCRPR004268	0.00028011	0.004685524	2.6436468	down	mmu_circRNA_19219
ASCRPR004273	0.000513835	0.006372024	2.0541904	down	rno_circRNA_018072
ASCRPR004274	0.021032512	0.060375526	2.4541142	down	rno_circRNA_008642
ASCRPR004283	0.004929023	0.023402996	2.1191632	down	rno_circRNA_002750
ASCRPR004293	0.030744849	0.07930985	2.304744	down	rno_circRNA_001638
ASCRPR004323	6.1164E-05	0.00243507	4.3284114	down	rno_circRNA_014705
ASCRPR004339	6.4028E-06	0.001316009	2.0163144	down	rno_circRNA_009415
ASCRPR004346	0.005756561	0.025639254	2.0710158	down	mmu_circRNA_30060
ASCRPR004377	0.003396715	0.018423297	2.8642549	down	rno_circRNA_001286
ASCRPR004410	0.001735162	0.012477254	2.6449701	down	rno_circRNA_009157
ASCRPR004425	0.000767326	0.007883333	5.3325543	down	rno_circRNA_002815
ASCRPR004429	0.001436333	0.011139076	3.4120074	down	mmu_circRNA_38423
ASCRPR004436	0.000310495	0.004947967	4.9188387	down	rno_circRNA_000823
ASCRPR004437	0.000248645	0.004439489	5.7315729	down	rno_circRNA_008665
ASCRPR004483	0.00054846	0.006591673	3.9845714	down	rno_circRNA_002630
ASCRPR004497	8.60167E-05	0.002847947	2.0335674	down	rno_circRNA_000477
ASCRPR004515	0.000282004	0.004685524	2.1158292	down	rno_circRNA_001850
ASCRPR004521	0.006119156	0.026583249	2.3248106	down	rno_circRNA_002526
ASCRPR004542	0.000135931	0.003328964	4.905728	down	rno_circRNA_005096
ASCRPR004548	0.002053586	0.013758826	2.1174212	down	rno_circRNA_010393
ASCRPR004574	0.008225063	0.032222311	3.3833092	down	rno_circRNA_013676
ASCRPR004609	0.007625857	0.03065419	2.859824	down	rno_circRNA_009963
ASCRPR004621	0.005145726	0.024013974	2.206693	down	rno_circRNA_001757
ASCRPR004642	0.00012975	0.003264494	4.0044236	down	mmu_circRNA_29995
ASCRPR004651	0.004742933	0.022778734	2.4069249	down	rno_circRNA_009678
ASCRPR004656	0.000411249	0.005767905	3.5070248	down	rno_circRNA_001164
ASCRPR004691	0.002806316	0.016429594	2.436939	down	rno_circRNA_007607
ASCRPR004698	0.001817746	0.012774795	2.8569991	down	mmu_circRNA_36027
ASCRPR004711	0.013057694	0.043936852	2.4196459	down	rno_circRNA_010424
ASCRPR004719	0.013344312	0.044516937	3.0084797	down	mmu_circRNA_22256
ASCRPR004740	9.88441E-05	0.002963367	2.3794677	down	rno_circRNA_001609
ASCRPR004744	0.045453244	0.104188826	3.5346731	down	rno_circRNA_013008
ASCRPR004750	3.74023E-05	0.002036965	2.7767786	down	rno_circRNA_013175

ASCRPR004751	0.007200365	0.029579281	2.3277073	down	rno_circRNA_003841
ASCRPR004763	0.000224734	0.004277328	3.5787732	down	rno_circRNA_011926
ASCRPR004798	0.000739214	0.007710843	2.7710526	down	rno_circRNA_007776
ASCRPR004812	0.003750597	0.019685225	2.1956943	down	rno_circRNA_009997
ASCRPR004828	0.003431806	0.018503269	3.6265401	down	rno_circRNA_011483
ASCRPR004904	0.000134475	0.003312096	2.4196189	down	rno_circRNA_007503
ASCRPR004941	7.8202E-06	0.001317081	3.3363777	down	rno_circRNA_002044
ASCRPR004945	3.01774E-05	0.001930063	4.2963619	down	mmu_circRNA_34004
ASCRPR004950	0.042801587	0.099752944	2.2878073	down	rno_circRNA_008938
ASCRPR004967	0.00355889	0.01897869	2.182212	down	mmu_circRNA_017949
ASCRPR004969	0.000105338	0.003043304	2.5009923	down	rno_circRNA_011912
ASCRPR004982	0.000740301	0.007710843	2.0159334	down	rno_circRNA_008176
ASCRPR004992	0.000004336	0.00130808	2.059311	down	rno_circRNA_009920
ASCRPR005035	2.94453E-06	0.001232923	2.081687	down	rno_circRNA_007395
ASCRPR005071	0.001251266	0.010356357	2.7321199	down	mmu_circRNA_37643
ASCRPR005135	0.000319603	0.004993937	7.117629	down	rno_circRNA_013620
ASCRPR005147	0.008228109	0.03222499	2.0348507	down	rno_circRNA_000124
ASCRPR005190	0.000453257	0.006002801	5.9546018	down	rno_circRNA_003461
ASCRPR005197	0.000796335	0.008010916	2.1960963	down	rno_circRNA_002551
ASCRPR005211	0.001429624	0.011105638	4.0749605	down	mmu_circRNA_39018
ASCRPR005212	0.001095337	0.009630001	2.0052948	down	mmu_circRNA_015187
ASCRPR005215	0.008777389	0.033528667	2.1250441	down	rno_circRNA_001167
ASCRPR005237	0.000129318	0.003260666	2.5118045	down	mmu_circRNA_42344
ASCRPR005266	0.000995347	0.009147707	2.8576813	down	mmu_circRNA_38577
ASCRPR005396	0.026589457	0.071553911	2.0847567	down	rno_circRNA_005170
ASCRPR005408	0.002130034	0.013942316	2.3747325	down	rno_circRNA_005080
ASCRPR005409	0.00304145	0.01729397	2.8143241	down	rno_circRNA_003387
ASCRPR005416	1.30004E-05	0.00146213	4.2363333	down	rno_circRNA_010960
ASCRPR005424	7.9507E-07	0.001175494	2.4914729	down	rno_circRNA_006239
ASCRPR005477	5.65755E-05	0.002352887	8.1569205	down	rno_circRNA_003748
ASCRPR005538	0.000512641	0.0063688	2.1611262	down	rno_circRNA_004090
ASCRPR005568	1.94014E-05	0.001654088	2.720171	down	rno_circRNA_014715
ASCRPR005569	0.00690358	0.028765429	2.2982339	down	rno_circRNA_016480
ASCRPR005581	0.000439595	0.005943032	2.126459	down	mmu_circRNA_37684
ASCRPR005634	0.000677687	0.007395467	2.8109663	down	rno_circRNA_012674
ASCRPR005648	0.0048795	0.023253077	2.7530941	down	rno_circRNA_000900
ASCRPR005672	0.00570312	0.025498612	2.6846764	down	mmu_circRNA_37874
ASCRPR005695	0.00164927	0.012110736	2.0522843	down	rno_circRNA_001093
ASCRPR005696	0.000417197	0.005819008	7.6830988	down	rno_circRNA_012403

ASCRPR005711	0.002058324	0.01377159	2.197868	down	rno_circRNA_001938
ASCRPR005723	0.000102642	0.003020159	2.5569785	down	rno_circRNA_004285
ASCRPR005742	0.000714925	0.007597511	2.6575174	down	rno_circRNA_017064
ASCRPR005765	0.002775729	0.01630651	2.3920856	down	rno_circRNA_000048
ASCRPR005776	7.76396E-05	0.002718471	2.5192568	down	rno_circRNA_013054
ASCRPR005780	0.003771983	0.019774643	2.5272015	down	rno_circRNA_015213
ASCRPR005799	0.000574162	0.006740226	2.9382258	down	rno_circRNA_003767
ASCRPR005811	1.32589E-05	0.00146213	2.3152678	down	rno_circRNA_004456
ASCRPR005814	0.001847361	0.012909758	2.1498667	down	rno_circRNA_001892
ASCRPR005828	0.011054701	0.039307234	2.4143641	down	rno_circRNA_007109
ASCRPR005835	0.003113874	0.017573999	2.6993805	down	rno_circRNA_004598
ASCRPR005854	9.71456E-05	0.002931776	11.6260613	down	mmu_circRNA_018654
ASCRPR005940	0.000131524	0.003291955	4.2682481	down	rno_circRNA_007942
ASCRPR005941	0.000153966	0.003512797	6.4996174	down	rno_circRNA_007943
ASCRPR005987	0.011132735	0.039421092	2.4467868	down	rno_circRNA_013171
ASCRPR006022	3.11965E-05	0.001944328	2.6039748	down	rno_circRNA_009936
ASCRPR006024	0.000450685	0.005991011	3.7089129	down	rno_circRNA_007681
ASCRPR006032	0.016028629	0.050294642	2.3522166	down	rno_circRNA_008327
ASCRPR006040	0.000690246	0.007466812	2.4168486	down	rno_circRNA_016375
ASCRPR006059	0.022256913	0.063041228	2.5075694	down	rno_circRNA_001356
ASCRPR006072	0.00013997	0.00337338	2.4471578	down	rno_circRNA_017439
ASCRPR006087	0.000140406	0.003377913	3.8495704	down	rno_circRNA_008851
ASCRPR006100	0.000293399	0.004816195	2.0570051	down	mmu_circRNA_21615
ASCRPR006125	0.002334117	0.014790633	2.1402441	down	rno_circRNA_011771
ASCRPR006142	0.001011748	0.009213124	2.8189602	down	rno_circRNA_006313
ASCRPR006144	0.038022733	0.091799665	2.1919477	down	mmu_circRNA_41248
ASCRPR006147	0.012870017	0.04358488	2.2695706	down	rno_circRNA_010484
ASCRPR006166	5.09405E-05	0.002283247	2.3832502	down	rno_circRNA_005115
ASCRPR006169	0.000163115	0.00359998	5.0094037	down	rno_circRNA_015614
ASCRPR006173	0.016675539	0.051607668	2.3246182	down	rno_circRNA_016918
ASCRPR006201	0.005466633	0.024822086	2.362005	down	rno_circRNA_008575
ASCRPR006250	0.001886303	0.013094685	3.3182457	down	rno_circRNA_007795
ASCRPR006260	0.006036184	0.026379809	2.2510731	down	rno_circRNA_007059
ASCRPR006313	9.77354E-06	0.001317081	2.3133086	down	rno_circRNA_009168
ASCRPR006328	0.000819977	0.008149008	2.3677568	down	rno_circRNA_002467
ASCRPR006333	8.93977E-05	0.002869893	2.1881933	down	rno_circRNA_017362
ASCRPR006350	0.010053225	0.036983831	2.4442615	down	rno_circRNA_010807
ASCRPR006356	0.008034142	0.031665335	3.6075885	down	rno_circRNA_004724
ASCRPR006358	2.14745E-05	0.001713063	2.1941256	down	rno_circRNA_011642

ASCRPR006367	0.043942321	0.101647821	2.6349945	down	rno_circRNA_006804
ASCRPR006370	0.000737624	0.007704384	2.1606721	down	mmu_circRNA_45845
ASCRPR006379	0.01125249	0.039637491	2.2208395	down	rno_circRNA_014036
ASCRPR006388	0.009503437	0.035431771	2.629169	down	rno_circRNA_010439
ASCRPR006406	0.000137922	0.003355091	2.9914886	down	mmu_circRNA_42852
ASCRPR006408	0.005707361	0.02550921	3.1872952	down	rno_circRNA_008026
ASCRPR006442	0.000556462	0.006629432	2.1349401	down	rno_circRNA_014817
ASCRPR006450	0.000397258	0.00568464	2.3694705	down	rno_circRNA_012974
ASCRPR006464	1.35055E-05	0.00146213	2.5628098	down	rno_circRNA_015211
ASCRPR006472	0.005361139	0.024520667	2.5237262	down	rno_circRNA_000006
ASCRPR006486	0.046146858	0.105290789	2.3505281	down	rno_circRNA_012451
ASCRPR006487	0.008670274	0.033259621	2.3725546	down	rno_circRNA_009587
ASCRPR006488	0.000512176	0.0063688	2.4446901	down	rno_circRNA_014469
ASCRPR006491	0.00142829	0.011105638	2.3250236	down	rno_circRNA_011196
ASCRPR006553	0.004488275	0.021983682	2.9389877	down	mmu_circRNA_015445
ASCRPR006584	5.78514E-05	0.002376961	2.0317082	down	rno_circRNA_010543
ASCRPR006603	0.017515325	0.053534965	2.3627175	down	rno_circRNA_005171
ASCRPR006614	6.96776E-05	0.002607751	3.1605834	down	rno_circRNA_017570
ASCRPR006637	2.23002E-05	0.001742964	2.0218018	down	rno_circRNA_016201
ASCRPR006640	0.007480545	0.030270657	2.0264418	down	rno_circRNA_015706
ASCRPR006641	0.010236909	0.037389905	2.0627518	down	rno_circRNA_015705
ASCRPR006658	0.008305567	0.032444514	2.0759388	down	rno_circRNA_002441
ASCRPR006700	0.021857895	0.06213035	2.1310431	down	rno_circRNA_004385
ASCRPR006704	5.54134E-06	0.001316009	2.6835372	down	rno_circRNA_012364
ASCRPR006731	0.009624584	0.035795163	2.830685	down	mmu_circRNA_25951
ASCRPR006752	9.81596E-06	0.001317081	5.5204969	down	rno_circRNA_015686
ASCRPR006756	2.53736E-06	0.001232923	4.0597087	down	rno_circRNA_011989
ASCRPR006761	0.018017853	0.05441256	4.9299052	down	mmu_circRNA_33227
ASCRPR006768	0.003790423	0.019856052	2.1777162	down	rno_circRNA_002489
ASCRPR006781	3.60292E-05	0.002036965	2.402862	down	rno_circRNA_009980
ASCRPR006787	0.000690114	0.007466812	2.481982	down	rno_circRNA_009935
ASCRPR006797	0.046338474	0.105632206	2.1444508	down	rno_circRNA_011382
ASCRPR006799	4.69697E-06	0.00130808	2.4649652	down	rno_circRNA_016565
ASCRPR006808	0.000529841	0.006470516	2.4253346	down	rno_circRNA_015820
ASCRPR006810	0.008745534	0.033473015	2.453014	down	rno_circRNA_011570
ASCRPR006867	0.000107293	0.003061894	3.4010134	down	rno_circRNA_002677
ASCRPR006921	0.011059392	0.039307234	2.1029973	down	rno_circRNA_003412
ASCRPR006950	0.000311853	0.004952253	2.0096193	down	rno_circRNA_006437
ASCRPR006974	0.001200295	0.010153491	4.3774898	down	rno_circRNA_000128

ASCRPR006980	0.015864811	0.049922003	2.7137704	down	rno_circRNA_004557
ASCRPR006999	0.002648857	0.015889647	2.0336836	down	rno_circRNA_013639
ASCRPR007009	0.00239559	0.014981332	2.4592744	down	rno_circRNA_007483
ASCRPR007010	7.01594E-05	0.002607751	3.1784763	down	mmu_circRNA_28075
ASCRPR007025	0.020780927	0.059791737	2.0358321	down	rno_circRNA_015417
ASCRPR007037	0.002674008	0.015953325	2.3458808	down	rno_circRNA_002753
ASCRPR007039	0.003043672	0.01729397	2.0875	down	rno_circRNA_012407
ASCRPR007076	0.006078494	0.026474052	2.0226283	down	rno_circRNA_006376
ASCRPR007077	0.004107568	0.020852747	2.7386795	down	rno_circRNA_015780
ASCRPR007100	0.007267228	0.029747651	3.7509649	down	mmu_circRNA_30323
ASCRPR007101	0.001409638	0.011019408	2.3611078	down	rno_circRNA_003755
ASCRPR007105	0.011841096	0.041121785	2.2020195	down	rno_circRNA_017202
ASCRPR007139	0.002559167	0.015571344	3.234008	down	rno_circRNA_016323
ASCRPR007140	0.000577543	0.006756398	2.2198267	down	rno_circRNA_005393
ASCRPR007204	0.004486245	0.021983682	3.5123423	down	mmu_circRNA_33750
ASCRPR007206	4.6173E-06	0.00130808	2.2402343	down	rno_circRNA_012840
ASCRPR007228	0.001896884	0.013141392	2.3053434	down	rno_circRNA_012074
ASCRPR007237	0.005972551	0.026213502	2.7260312	down	rno_circRNA_016294
ASCRPR007242	5.93506E-05	0.002423955	2.254583	down	rno_circRNA_010159
ASCRPR007243	0.008437196	0.032720647	2.1783211	down	rno_circRNA_010157
ASCRPR007277	0.00139384	0.010944155	2.8056365	down	rno_circRNA_005740
ASCRPR007280	0.002354956	0.014844714	2.1342637	down	rno_circRNA_009846
ASCRPR007285	0.004615657	0.022382572	2.0223009	down	rno_circRNA_007318
ASCRPR007321	0.008339651	0.03247315	3.0591721	down	rno_circRNA_010169
ASCRPR007322	3.85263E-05	0.002036965	2.2751171	down	rno_circRNA_005213
ASCRPR007369	3.37055E-05	0.001966727	2.2262152	down	rno_circRNA_009579
ASCRPR007372	0.022909344	0.064266898	2.2013598	down	rno_circRNA_000699
ASCRPR007416	0.043415132	0.100819226	2.4491225	down	rno_circRNA_002953
ASCRPR007448	2.79961E-05	0.001886495	2.011312	down	rno_circRNA_002340
ASCRPR007455	0.00276416	0.016280618	2.0412587	down	mmu_circRNA_30845
ASCRPR007472	0.001458647	0.011235123	2.9846604	down	mmu_circRNA_24113
ASCRPR007476	0.000491068	0.006225518	2.2235725	down	rno_circRNA_015964
ASCRPR007481	6.51226E-05	0.002529537	2.1329782	down	rno_circRNA_007383
ASCRPR007504	7.19801E-05	0.002625296	3.2355437	down	rno_circRNA_016174
ASCRPR007517	6.60482E-05	0.002529537	4.7145842	down	rno_circRNA_007151
ASCRPR007528	0.00019593	0.00397721	3.0916182	down	rno_circRNA_002425
ASCRPR007625	0.000352396	0.005285333	2.2158173	down	rno_circRNA_004576
ASCRPR007626	0.000210196	0.004131532	2.7660381	down	rno_circRNA_002984
ASCRPR007661	0.002828273	0.016497632	2.0935917	down	rno_circRNA_002470

ASCRPR007674	0.00016487	0.00361938	4.0889132	down	rno_circRNA_001163
ASCRPR007675	9.58194E-05	0.002931776	2.1830239	down	rno_circRNA_002444
ASCRPR007718	0.002558163	0.015571344	3.2563923	down	rno_circRNA_017612
ASCRPR007757	2.40737E-05	0.001779966	2.66071	down	rno_circRNA_005590
ASCRPR007765	0.001400613	0.010974013	2.0790429	down	rno_circRNA_003793
ASCRPR007767	0.010172504	0.03728187	2.2277515	down	rno_circRNA_010827
ASCRPR007787	0.005834704	0.025825982	2.3205054	down	rno_circRNA_003225
ASCRPR007796	0.001423362	0.011088569	2.2372892	down	mmu_circRNA_26077
ASCRPR007798	7.46592E-05	0.002659075	3.1492501	down	rno_circRNA_005771
ASCRPR007801	0.003715589	0.019580131	2.1728822	down	mmu_circRNA_21095
ASCRPR007803	0.001420603	0.01107585	2.5219768	down	rno_circRNA_008301
ASCRPR007804	0.000707987	0.007568695	2.5289842	down	rno_circRNA_007488
ASCRPR007806	4.91559E-06	0.00130808	3.2935978	down	rno_circRNA_011207
ASCRPR007861	0.001264636	0.010385851	2.2697125	down	rno_circRNA_016217
ASCRPR007877	5.25854E-05	0.002313928	2.2363979	down	mmu_circRNA_33652
ASCRPR007909	0.002006684	0.0135847	2.3382076	down	rno_circRNA_015212
ASCRPR007921	0.000702337	0.007537826	2.9376022	down	mmu_circRNA_23891
ASCRPR008017	0.000654759	0.007243773	6.8402108	down	rno_circRNA_003457
ASCRPR008024	0.004166598	0.021030986	2.8303022	down	rno_circRNA_012951
ASCRPR008029	0.001745179	0.012492872	2.0633021	down	rno_circRNA_006357
ASCRPR008038	0.011641633	0.040666713	2.4666614	down	rno_circRNA_016123
ASCRPR008069	1.65054E-05	0.001608213	2.2108922	down	rno_circRNA_006743
ASCRPR008126	0.007972069	0.031530672	2.0096099	down	rno_circRNA_011982
ASCRPR008158	0.001315741	0.010626421	2.2713135	down	rno_circRNA_017913
ASCRPR008209	0.003615531	0.019190448	2.146088	down	rno_circRNA_002244
ASCRPR008219	1.34818E-05	0.00146213	2.5417466	down	rno_circRNA_000975
ASCRPR008263	0.002734667	0.016149265	4.1290732	down	rno_circRNA_002357
ASCRPR008267	0.000157472	0.003554864	2.123524	down	rno_circRNA_016720
ASCRPR008275	1.75538E-05	0.001626664	3.6070011	down	rno_circRNA_004044
ASCRPR008301	0.02036646	0.058959865	2.0234298	down	rno_circRNA_005024
ASCRPR008314	0.006640573	0.028070672	2.0221452	down	rno_circRNA_013237
ASCRPR008336	0.000611712	0.00697993	2.8397992	down	mmu_circRNA_24227
ASCRPR008351	0.018524244	0.055365733	2.6065941	down	rno_circRNA_005621
ASCRPR008360	0.003931644	0.020308364	2.2043758	down	rno_circRNA_006409
ASCRPR008373	7.00346E-05	0.002607751	2.2937998	down	rno_circRNA_014839
ASCRPR008380	0.000569436	0.006701692	2.0518887	down	rno_circRNA_001619
ASCRPR008396	0.000256054	0.004481231	2.3490832	down	rno_circRNA_008474
ASCRPR008413	0.000346826	0.005233461	6.3318675	down	rno_circRNA_008863
ASCRPR008423	5.54755E-05	0.00235221	3.4153018	down	rno_circRNA_004094

ASCRPR008430	0.000283736	0.004708567	2.8658847	down	rno_circRNA_009674
ASCRPR008431	0.000255319	0.004478693	2.6352005	down	rno_circRNA_001697
ASCRPR008451	0.001070975	0.00950499	2.3402042	down	rno_circRNA_002549
ASCRPR008479	0.002297135	0.014642623	2.2930198	down	rno_circRNA_000818
ASCRPR008527	0.002062342	0.01377159	2.1434794	down	rno_circRNA_011353
ASCRPR008549	0.000958826	0.00890964	2.3117908	down	mmu_circRNA_30236
ASCRPR008555	2.26968E-05	0.001749193	7.0881407	down	rno_circRNA_011401
ASCRPR008570	0.00225693	0.014509911	2.0398177	down	rno_circRNA_002208
ASCRPR008580	1.78858E-05	0.001626664	2.7632897	down	rno_circRNA_006317
ASCRPR008586	8.95323E-05	0.002869893	2.6780164	down	rno_circRNA_013727
ASCRPR008589	0.005225597	0.024212762	4.1600154	down	rno_circRNA_011769
ASCRPR008616	0.000250237	0.004451679	5.9000635	down	rno_circRNA_003037
ASCRPR008646	0.000554464	0.006626362	2.6443165	down	rno_circRNA_015344
ASCRPR008659	0.010794548	0.038769992	2.1114946	down	rno_circRNA_010006
ASCRPR008690	0.000487663	0.006223956	2.5644926	down	rno_circRNA_011345
ASCRPR008743	0.003614481	0.019190448	2.183461	down	rno_circRNA_009675
ASCRPR008756	0.000636745	0.007116209	2.6964738	down	mmu_circRNA_35239
ASCRPR008802	0.033393889	0.084107467	2.0384547	down	rno_circRNA_006593
ASCRPR008804	0.004381794	0.021648698	2.897375	down	rno_circRNA_010820
ASCRPR008857	0.023863388	0.066215367	2.635646	down	mmu_circRNA_23602
ASCRPR008859	0.003493851	0.018712831	2.1458359	down	rno_circRNA_005107
ASCRPR008872	7.26487E-06	0.001316009	2.5308298	down	rno_circRNA_005158
ASCRPR008874	0.009884907	0.036522213	2.1923027	down	rno_circRNA_006870
ASCRPR008879	2.24882E-05	0.001742964	2.2019557	down	rno_circRNA_002522
ASCRPR008881	0.003880801	0.02009795	3.0695216	down	rno_circRNA_000018
ASCRPR008898	0.003749254	0.019685225	2.2731976	down	rno_circRNA_017282
ASCRPR008919	0.000190004	0.003909277	2.1291753	down	rno_circRNA_014460
ASCRPR008930	0.004030076	0.020605048	2.6947883	down	rno_circRNA_014974
ASCRPR008943	0.002148305	0.01400145	2.6091188	down	rno_circRNA_006430
ASCRPR008944	0.000597834	0.006905206	4.939111	down	rno_circRNA_000893
ASCRPR008992	0.013151922	0.044101616	2.1922069	down	rno_circRNA_006952
ASCRPR008998	0.020842354	0.059930555	2.4531661	down	rno_circRNA_011597
ASCRPR009031	3.04203E-05	0.001930063	2.0911068	down	rno_circRNA_001804
ASCRPR009046	4.45608E-06	0.00130808	2.0062378	down	rno_circRNA_012992
ASCRPR009105	0.000149837	0.003465435	4.0882067	down	rno_circRNA_005243
ASCRPR009114	0.000742298	0.007722553	2.0654317	down	rno_circRNA_005273
ASCRPR009142	0.000106222	0.003044073	2.5195606	down	rno_circRNA_001693
ASCRPR009172	0.002424233	0.01509998	3.8079831	down	rno_circRNA_012801
ASCRPR009185	0.000810265	0.008110318	2.1392248	down	rno_circRNA_009954

ASCRPR009223	0.003389974	0.018408695	2.1480457	down	rno_circRNA_016203
ASCRPR009254	0.001590836	0.011865746	2.4143455	down	mmu_circRNA_26225
ASCRPR009291	0.00527675	0.024292994	3.1787122	down	rno_circRNA_001668
ASCRPR009299	0.001350904	0.010732491	6.8092736	down	rno_circRNA_011350
ASCRPR009320	0.000030153	0.001930063	2.3728595	down	rno_circRNA_017109
ASCRPR009326	0.000979428	0.009049467	2.1366694	down	rno_circRNA_012966
ASCRPR009342	7.01428E-05	0.002607751	2.4447458	down	rno_circRNA_001528
ASCRPR009371	0.000446738	0.005984211	2.1476627	down	rno_circRNA_012444
ASCRPR009385	0.012345046	0.042346334	2.6366409	down	rno_circRNA_013316
ASCRPR009386	0.000452664	0.006000765	2.2620904	down	rno_circRNA_011489
ASCRPR009390	0.010425974	0.037824657	3.6332145	down	rno_circRNA_010789
ASCRPR009399	0.020100396	0.058475048	2.6434636	down	rno_circRNA_000137
ASCRPR009406	0.029566517	0.077146685	2.4865254	down	hsa_circRNA_103759
ASCRPR009463	0.001772589	0.012600254	2.3134925	down	rno_circRNA_015881
ASCRPR009471	0.009036545	0.034136669	2.2469998	down	rno_circRNA_006441
ASCRPR009482	6.29728E-05	0.00248989	4.6107913	down	rno_circRNA_016970
ASCRPR009484	0.030250952	0.078376683	2.1459094	down	rno_circRNA_003535
ASCRPR009505	0.001514022	0.011486383	2.4087558	down	rno_circRNA_014459
ASCRPR009539	3.62276E-05	0.002036965	4.9261453	down	rno_circRNA_014716
ASCRPR009582	0.002295861	0.014642623	2.3047128	down	rno_circRNA_000535
ASCRPR009592	0.018936523	0.056130618	2.6732696	down	rno_circRNA_008328
ASCRPR009648	0.00043557	0.005926778	2.0900627	down	rno_circRNA_008920
ASCRPR009750	0.000175793	0.003758612	2.2357969	down	rno_circRNA_012708
ASCRPR009763	2.69405E-05	0.001865458	4.1039913	down	rno_circRNA_001025
ASCRPR009892	0.001645028	0.012102748	2.2019882	down	rno_circRNA_014371
ASCRPR009900	0.000185573	0.003839365	4.3398923	down	rno_circRNA_008929
ASCRPR009923	0.00088876	0.008507776	2.0665743	down	rno_circRNA_007035
ASCRPR009936	3.79965E-05	0.002036965	2.5953451	down	rno_circRNA_005750
ASCRPR009941	0.000861213	0.008336988	3.1036184	down	hsa_circRNA_103070
ASCRPR009942	0.00020973	0.004131532	2.1917998	down	mmu_circRNA_36681
ASCRPR009956	0.000471096	0.006096985	2.5135674	down	rno_circRNA_010217
ASCRPR009967	0.000635362	0.0071099	2.2643993	down	rno_circRNA_013921
ASCRPR009970	0.006805455	0.028555281	2.032203	down	rno_circRNA_009989
ASCRPR010031	0.006653494	0.028107871	3.7824247	down	rno_circRNA_006642
ASCRPR010034	1.13458E-05	0.00146213	2.2483886	down	rno_circRNA_000972
ASCRPR010072	0.003817793	0.019911126	2.0349826	down	rno_circRNA_011185
ASCRPR010087	9.99254E-05	0.002976163	3.809995	down	rno_circRNA_016193
ASCRPR010092	0.005956028	0.026174669	2.7556455	down	rno_circRNA_010770
ASCRPR010125	0.000116529	0.003212967	2.4966258	down	rno_circRNA_002387

ASCRPR010135	0.001737452	0.012480558	2.03953	down	mmu_circRNA_36400
ASCRPR010142	0.000258042	0.004484747	2.2828079	down	mmu_circRNA_43403
ASCRPR010262	0.001447631	0.011175514	2.4545452	down	mmu_circRNA_008958
ASCRPR010266	0.001356242	0.01074985	2.7547204	down	rno_circRNA_016541
ASCRPR010281	0.006885929	0.028742645	2.4280827	down	rno_circRNA_013619
ASCRPR010284	0.00402198	0.020586805	3.7218265	down	rno_circRNA_009424
ASCRPR010308	0.002615893	0.015782133	2.1553905	down	rno_circRNA_010014
ASCRPR010363	0.006536695	0.027769247	2.1133696	down	rno_circRNA_006202
ASCRPR010410	6.3996E-06	0.001316009	2.5011688	down	rno_circRNA_003510
ASCRPR010421	0.00012676	0.003243328	4.0514779	down	rno_circRNA_001574
ASCRPR010453	8.95795E-05	0.002869893	2.4450087	down	rno_circRNA_014295
ASCRPR010503	0.001215741	0.010211779	4.7556001	down	rno_circRNA_000275
ASCRPR010576	0.000373694	0.005451935	3.9618937	down	mmu_circRNA_015633
ASCRPR010631	0.002208001	0.014288115	2.4918218	down	rno_circRNA_005357
ASCRPR010635	0.000305947	0.004937028	2.7081416	down	rno_circRNA_008736
ASCRPR010638	0.00065605	0.007246298	2.3666568	down	rno_circRNA_013529
ASCRPR010653	0.000600323	0.006916853	2.1864745	down	rno_circRNA_013411
ASCRPR010676	0.000158894	0.00355906	2.3211758	down	rno_circRNA_000588
ASCRPR010680	0.001347189	0.010721708	5.4741232	down	rno_circRNA_010343
ASCRPR010693	0.000279075	0.00468249	3.2304448	down	rno_circRNA_008676
ASCRPR010697	0.00280349	0.016420097	2.4099133	down	rno_circRNA_007487
ASCRPR010778	6.17953E-06	0.001316009	3.3103734	down	rno_circRNA_014698
ASCRPR010781	0.000529662	0.006470516	2.2615926	down	rno_circRNA_009621
ASCRPR010823	0.000504497	0.006313622	2.0488859	down	rno_circRNA_016181
ASCRPR010855	0.000585005	0.006791442	4.1353958	down	rno_circRNA_007680
ASCRPR010926	0.01587218	0.049933673	2.1403712	down	rno_circRNA_004757
ASCRPR010934	0.013330182	0.04449156	3.168112	down	rno_circRNA_014329
ASCRPR011061	0.00247377	0.015269096	2.1220704	down	rno_circRNA_015793
ASCRPR011072	0.003895918	0.020168583	2.3181497	down	rno_circRNA_005097
ASCRPR011101	0.000120633	0.003212967	2.4796503	down	rno_circRNA_002561
ASCRPR011110	0.003543248	0.018919653	2.3546412	down	rno_circRNA_010182
ASCRPR011120	0.000509468	0.006352521	2.0159315	down	rno_circRNA_008645
ASCRPR011121	0.001721312	0.012436665	2.9458373	down	rno_circRNA_012395
ASCRPR011139	0.000701392	0.007537826	2.4557333	down	rno_circRNA_011053
ASCRPR011140	0.019622183	0.057653485	2.2547203	down	rno_circRNA_002778
ASCRPR011143	0.000758404	0.007831597	2.0823845	down	hsa_circRNA_104667
ASCRPR011155	0.001087994	0.009608273	2.079602	down	rno_circRNA_005941
ASCRPR011162	0.00012248	0.003212967	2.1948796	down	rno_circRNA_000915
ASCRPR011218	0.006216164	0.026837982	2.0689591	down	rno_circRNA_014133

ASCRPR011232	0.007216338	0.029606734	2.5861307	down	rno_circRNA_009323
ASCRPR011234	0.040431212	0.095683928	2.050861	down	rno_circRNA_002904
ASCRPR011254	7.22674E-05	0.002625296	2.986862	down	rno_circRNA_004108
ASCRPR011267	0.020521881	0.059243758	2.7602308	down	rno_circRNA_003113
ASCRPR011302	0.000167582	0.003650746	2.5259134	down	rno_circRNA_017325
ASCRPR011308	0.003407062	0.018450072	2.7081383	down	rno_circRNA_009460
ASCRPR011337	0.000459772	0.00604595	3.6185568	down	rno_circRNA_003147
ASCRPR011354	0.000820218	0.008149008	3.3373188	down	rno_circRNA_011770
ASCRPR011365	0.000513786	0.006372024	2.2494092	down	mmu_circRNA_39402
ASCRPR011369	0.002625316	0.015811006	2.2622629	down	rno_circRNA_016374
ASCRPR011377	0.00022352	0.004264389	3.7084119	down	hsa_circRNA_044375
ASCRPR011380	0.000426551	0.005896825	2.4084584	down	rno_circRNA_014377
ASCRPR011416	0.008919864	0.033844914	3.1221901	down	rno_circRNA_009919
ASCRPR011433	0.003776844	0.01979252	2.202297	down	mmu_circRNA_42464
ASCRPR011468	0.000258036	0.004484747	3.2435588	down	rno_circRNA_007220
ASCRPR011470	0.000148177	0.003455184	2.6949829	down	mmu_circRNA_37466
ASCRPR011536	0.007063844	0.029278423	2.1257739	down	rno_circRNA_004288
ASCRPR011563	0.000372602	0.005449632	2.0745921	down	rno_circRNA_013225
ASCRPR011592	0.041511337	0.097512683	2.1694479	down	rno_circRNA_018042
ASCRPR011593	0.004978231	0.023562656	2.5598141	down	rno_circRNA_012347
ASCRPR011598	4.19029E-05	0.002092638	2.5610659	down	rno_circRNA_016882
ASCRPR011649	0.01866095	0.055603761	2.7851648	down	rno_circRNA_001165
ASCRPR011678	0.000150369	0.003470691	2.4465516	down	rno_circRNA_004395
ASCRPR011680	0.000204694	0.004088613	2.4361171	down	hsa_circRNA_405159
ASCRPR011686	0.000245155	0.004439023	2.0223864	down	rno_circRNA_007179
ASCRPR011762	0.000470651	0.006096985	2.2620106	down	rno_circRNA_008400
ASCRPR011773	0.002937386	0.01692813	2.3219667	down	rno_circRNA_000055
ASCRPR011834	0.022057739	0.062568021	2.00641	down	rno_circRNA_011194
ASCRPR011843	2.72455E-05	0.001876185	3.2934621	down	rno_circRNA_008705
ASCRPR011864	0.013583316	0.044951484	2.2330707	down	rno_circRNA_018049
ASCRPR011926	0.010692417	0.038528553	2.133348	down	rno_circRNA_007560
ASCRPR011932	0.032600003	0.082571396	2.01921	down	rno_circRNA_006124
ASCRPR011945	0.000281175	0.004685524	3.2851219	down	rno_circRNA_002011
ASCRPR011973	0.02335733	0.065277063	3.0043682	down	rno_circRNA_013923
ASCRPR012077	0.000555335	0.006626362	2.4742943	down	hsa_circRNA_073270
ASCRPR012088	0.014196539	0.046428912	3.5800267	down	rno_circRNA_011516
ASCRPR012110	0.000638729	0.007124203	2.1987834	down	rno_circRNA_014028
ASCRPR012116	0.000702197	0.007537826	2.491206	down	rno_circRNA_003914
ASCRPR012130	1.43468E-05	0.00150542	2.6479061	down	rno_circRNA_010029

ASCRPR012138	4.21024E-05	0.002092638	2.7614723	down	rno_circRNA_015043
ASCRPR012139	0.001177435	0.010032557	2.2396579	down	rno_circRNA_011374
ASCRPR012142	0.001799174	0.012709752	2.0548702	down	rno_circRNA_008033
ASCRPR012145	0.004912707	0.023359738	2.2083444	down	rno_circRNA_004504
ASCRPR012188	2.313E-05	0.001762658	3.1912916	down	rno_circRNA_014670
ASCRPR012197	0.000435859	0.005926778	2.1995195	down	rno_circRNA_014025
ASCRPR012207	0.006337639	0.027203187	2.3025299	down	rno_circRNA_010882
ASCRPR012237	0.023968193	0.066399293	2.2921961	down	rno_circRNA_015205
ASCRPR012242	0.007893523	0.031373993	3.2136511	down	mmu_circRNA_20811
ASCRPR012267	0.000480844	0.006171978	2.3226829	down	rno_circRNA_009219
ASCRPR012270	0.014956005	0.048014794	3.1613108	down	rno_circRNA_014828
ASCRPR012279	0.000608521	0.006957953	7.3094787	down	rno_circRNA_000648
ASCRPR012280	0.000352841	0.005285333	2.4331352	down	rno_circRNA_000887
ASCRPR012322	0.004442367	0.021860869	2.2138169	down	rno_circRNA_010476
ASCRPR012351	0.000156163	0.003532706	2.5658807	down	rno_circRNA_015613
ASCRPR012358	0.004403608	0.021717141	2.1130225	down	rno_circRNA_008969
ASCRPR012402	1.63098E-05	0.001600587	4.8600644	down	rno_circRNA_010962
ASCRPR012427	0.000426667	0.005896825	3.1180369	down	rno_circRNA_005897
ASCRPR012574	0.001162309	0.009959208	2.8469254	down	rno_circRNA_014158
ASCRPR012680	0.02761106	0.073433898	5.0151304	down	rno_circRNA_000101
ASCRPR012688	0.019050805	0.056413097	2.0239305	down	rno_circRNA_001913
ASCRPR012699	0.000928105	0.008686092	2.5596914	down	rno_circRNA_017764
ASCRPR012723	0.000843464	0.008254991	3.1184316	down	rno_circRNA_003569
ASCRPR012787	0.000247607	0.004439023	3.7581655	down	mmu_circRNA_29591
ASCRPR012789	0.000120324	0.003212967	2.1798175	down	rno_circRNA_012203
ASCRPR012878	0.004449794	0.021889518	2.1245589	down	rno_circRNA_015854
ASCRPR012896	0.0009203	0.008681191	2.0915744	down	rno_circRNA_009780
ASCRPR012973	0.014395322	0.046861751	2.576772	down	rno_circRNA_001795
ASCRPR012993	2.08784E-05	0.001713063	2.6514243	down	rno_circRNA_015657
ASCRPR013013	0.003325116	0.018195557	2.0206926	down	rno_circRNA_004977
ASCRPR013114	0.000772182	0.007894027	2.0299734	down	rno_circRNA_005516
ASCRPR013175	0.002366866	0.014885395	2.7413893	down	rno_circRNA_004262
ASCRPR013257	3.97245E-05	0.002060386	4.8180932	down	rno_circRNA_001022
ASCRPR013375	0.000420858	0.005843528	2.0452443	down	rno_circRNA_003499
ASCRPR013392	0.000195291	0.003970145	2.0610918	down	rno_circRNA_008057
ASCRPR013400	0.0315776	0.080833696	2.1640656	down	rno_circRNA_003757
ASCRPR013458	1.80512E-05	0.001626664	2.2572991	down	rno_circRNA_017705
ASCRPR013475	0.000204715	0.004088613	2.4276889	down	mmu_circRNA_32116
ASCRPR013482	2.98266E-06	0.001232923	2.2978969	down	mmu_circRNA_45716

ASCRPR013523	0.001343249	0.010711922	2.1564151	down	rno_circRNA_006205
ASCRPR013533	0.002065865	0.01377159	2.3201545	down	rno_circRNA_003322
ASCRPR013541	0.012013557	0.041557887	2.5873758	down	mmu_circRNA_36502
ASCRPR013570	0.000740503	0.007710843	2.5492587	down	mmu_circRNA_38374
ASCRPR013571	0.001780952	0.012646521	2.4086019	down	rno_circRNA_003108
ASCRPR013588	0.000229418	0.004322498	2.1747877	down	rno_circRNA_001341
ASCRPR013610	0.014313321	0.046673349	2.0320562	down	rno_circRNA_016942
ASCRPR013611	0.029660246	0.077287806	2.5347981	down	rno_circRNA_016383
ASCRPR013639	0.000445593	0.005976732	2.0482047	down	rno_circRNA_005270
ASCRPR013646	0.001763486	0.012548622	2.1944118	down	rno_circRNA_012353
ASCRPR013678	0.01656052	0.051376404	2.854589	down	rno_circRNA_015495
ASCRPR013690	0.000496784	0.006261201	2.105967	down	mmu_circRNA_40506
ASCRPR013696	1.4923E-05	0.001507882	6.4687597	down	rno_circRNA_001023
ASCRPR013727	0.003673013	0.019419297	2.2557413	down	rno_circRNA_006866
ASCRPR013748	9.48044E-05	0.002931776	3.0162783	down	rno_circRNA_003629
ASCRPR013757	0.000215694	0.004221357	2.1614068	down	mmu_circRNA_45847
ASCRPR013760	0.011935421	0.041368862	2.4197116	down	rno_circRNA_015169
ASCRPR013790	0.004595785	0.022317941	8.4437845	down	mmu_circRNA_26971
ASCRPR013803	0.002398447	0.014981332	2.4239853	down	mmu_circRNA_23123
ASCRPR013817	0.005151025	0.024030484	3.7446926	down	rno_circRNA_006438
ASCRPR013845	0.020321515	0.058861495	2.1651689	down	rno_circRNA_006618
ASCRPR013860	0.000625918	0.007062161	2.6690762	down	rno_circRNA_016693
ASCRPR013901	0.013835694	0.045587609	3.2438142	down	rno_circRNA_005671
ASCRPR013913	0.003521185	0.018821508	2.1536388	down	rno_circRNA_012439
ASCRPR013922	0.002005604	0.0135847	2.0812448	down	rno_circRNA_011200
ASCRPR013925	0.000456878	0.006033178	2.2081451	down	rno_circRNA_002900
ASCRPR013930	0.001308558	0.010599783	2.4764562	down	rno_circRNA_018050
ASCRPR013938	0.003297452	0.018150267	2.6913351	down	rno_circRNA_015783
ASCRPR013939	0.004650983	0.022497892	2.4794615	down	rno_circRNA_015785
ASCRPR013943	0.000160864	0.003568041	2.273461	down	rno_circRNA_004716
ASCRPR013970	0.000768626	0.007883333	2.7356026	down	rno_circRNA_016457
ASCRPR013999	0.006667599	0.028115387	4.15897	down	mmu_circRNA_19372
ASCRPR014001	0.000120732	0.003212967	4.9400123	down	rno_circRNA_007925
ASCRPR014004	0.001104405	0.009658407	2.113064	down	rno_circRNA_009624
ASCRPR014008	8.01297E-05	0.002767214	2.3821049	down	rno_circRNA_007408
ASCRPR014050	0.009273932	0.034792547	2.3508649	down	rno_circRNA_011722
ASCRPR014065	0.001623342	0.011990431	2.0065025	down	mmu_circRNA_25790
ASCRPR014068	0.000810972	0.008110318	2.2465653	down	rno_circRNA_006765
ASCRPR014078	0.008373286	0.032541308	2.3092677	down	rno_circRNA_011484

ASCRPR014110	0.002926132	0.016890003	2.5966287	down	rno_circRNA_007875
ASCRPR014118	0.000803767	0.008066146	2.5832977	down	rno_circRNA_011785
ASCRPR014125	0.000119125	0.003212967	2.5954882	down	rno_circRNA_009488
ASCRPR014136	0.000387955	0.005588268	2.0257215	down	rno_circRNA_010935

Table SIV. Top five up- and downregulated circRNAs of penile tissues in diabetes mellitus-induced erectile dysfunction rats validated by reverse transcription-quantitative PCR analysis.

circRNA	Alias	Gene symbol	P-value	FDR	FC (abs)	Regulation	Chromosome	MRE1	MRE2	MRE3	MRE4	MRE5
rno_circRNA_008695	2_217537320_217534615_-2705 20.10 2 2	Anp32e	0.000086977	0.002865828	72.6138668	Up	2	rno-miR-880-5p	rno-let-7g-5p	rno-miR-1306-3p	rno-miR-3084a-3p	rno-miR-3084d
mmu_circRNA_010964	mm9_circ_010964	Lepr	0.001643513	0.012099678	44.6341874	Up	5	rno-miR-153-5p	rno-miR-185-5p	rno-miR-466c-3p	rno-miR-883-5p	rno-miR-1839-5p
rno_circRNA_013145	5_27495516_27486600_-8916 19.56 1 1	Asph	0.0000199124	0.001687112	40.1095226	Up	5	rno-miR-185-5p	rno-miR-759	rno-miR-217-3p	rno-miR-1843b-5p	rno-miR-3594-5p
mmu_circRNA_31436	18_25186670_25179163_-7507 18.71 15 42	Apc	0.000392028	0.005628352	36.8118039	Up	18	rno-miR-466b-3p	rno-miR-466c-3p	rno-miR-466b-4-3p	rno-miR-466b-2-3p	rno-miR-297
rno_circRNA_013139	5_27392361_27363181_-29180 23.98 1 1	Asph	0.0000949212	0.002931776	19.4804529	Up	5	rno-miR-107-5p	rno-miR-103-1-5p	rno-miR-99a-3p	rno-miR-3084a-3p	rno-miR-3084d
mmu_circRNA_26971	13_113412515_113394695_-17820 12.70 4 16	Ddx4	0.004595785	0.022317941	8.4437845	Down	2	rno-miR-6331	rno-miR-3588	rno-miR-7a-2-3p	rno-miR-216b-5p	rno-miR-23b-5p
rno_circRNA_003748	12_45844593_45652585_-192008 14.02 3 4	Hrk	0.0000565755	0.002352887	8.1569205	Down	12	rno-miR-466b-5p	rno-miR-297	rno-miR-466b-3p	rno-miR-466c-3p	rno-miR-466b-4-3p
rno_circRNA_011493	4_196605519_196566969_-38550 21.95 1 1	Eif4e3	0.000263082	0.004516852	7.7904565	Down	4	rno-miR-466b-3p	rno-miR-466b-5p	rno-miR-466b-2-3p	rno-miR-466b-4-3p	rno-miR-466c-3p
rno_circRNA_012403	5_110613508_110584724_-28784 16.53 2 2	RGD1311849	0.000417197	0.005819008	7.6830988	Down	5	rno-miR-145-3p	rno-miR-3084b-5p	rno-miR-3084c-5p	rno-miR-125a-3p	rno-miR-140-5p
rno_circRNA_010502	3_170366622_170354381_-12241 18.59 2 2	Slc9a8	0.0000461645	0.002186564	7.5541253	Down	3	rno-miR-1224	rno-miR-489-3p	rno-miR-217-5p	rno-miR-3569	rno-miR-466b-5p

miR, microRNA; circRNA, circular RNA; FDR, false discovery rate; FC (abs), absolute fold change; MRE, miRNA response element; rno, Rattus norvegicus; mmu, Mus musculus.