

Fig.S1

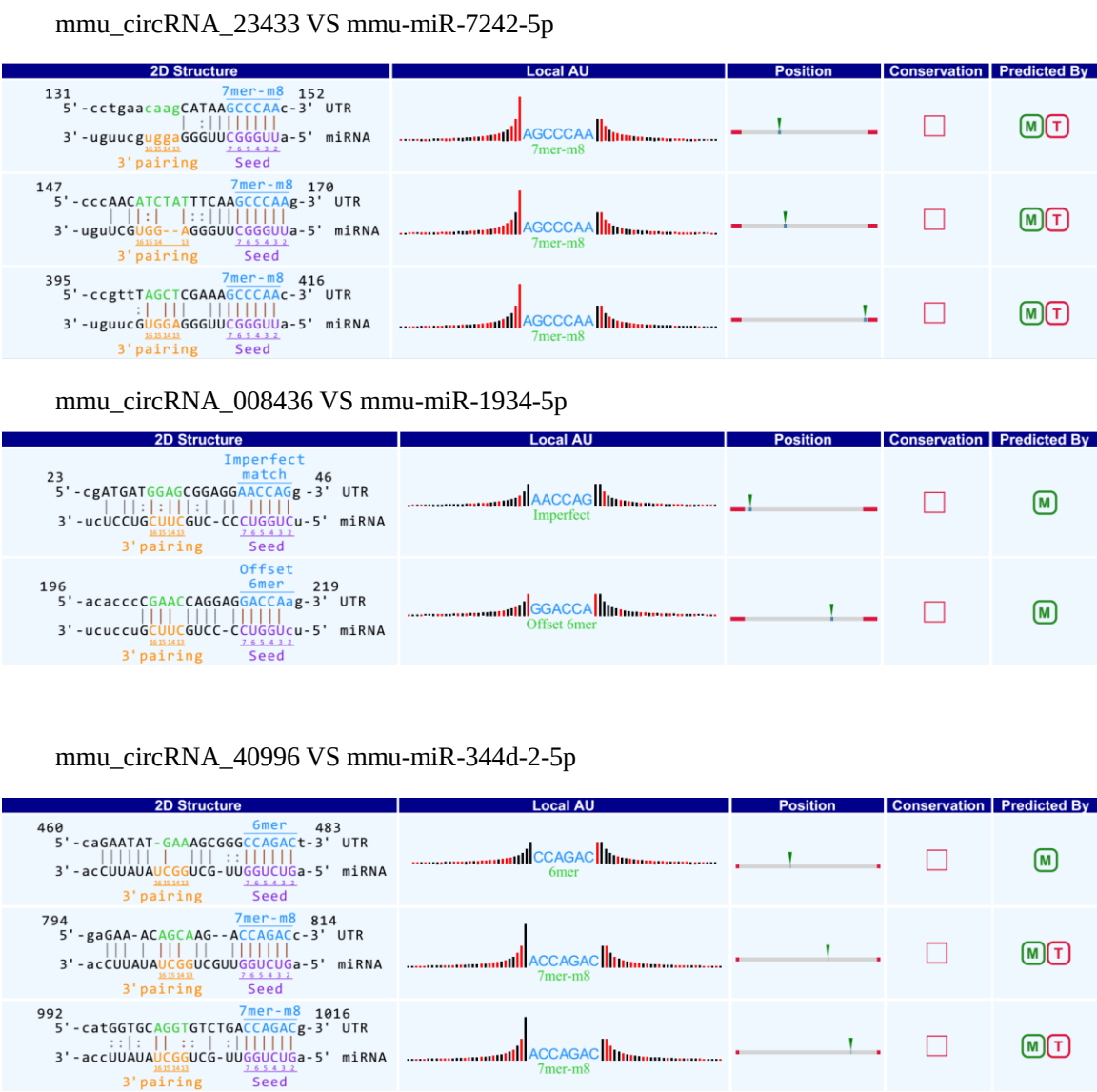
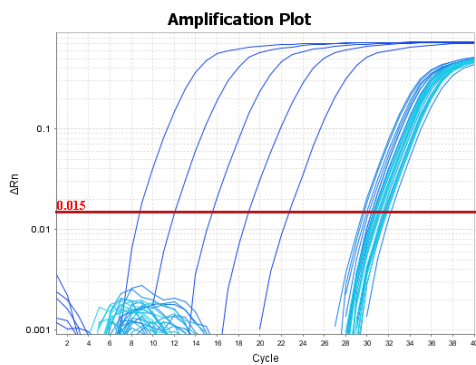
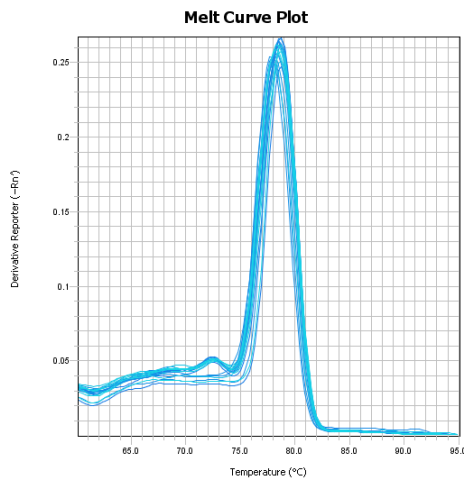


Fig.S1 Binding site of mmu_circRNA_23433 VS mmu-miR-7242-5p, mmu_circRNA_008436 VS mmu-miR-1934-5p and mmu_circRNA_40996 VS mmu-miR-344d-2-5p. The upper part is the sequence at the junction of circRNA and the lower part is the sequence of miRNA.

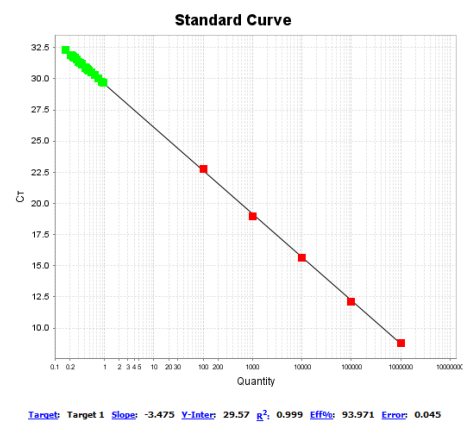
Fig.S2



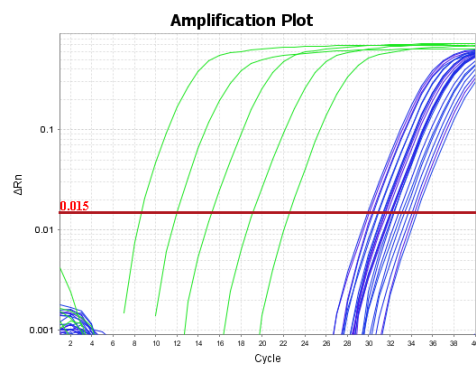
A₁ Amplification Plot



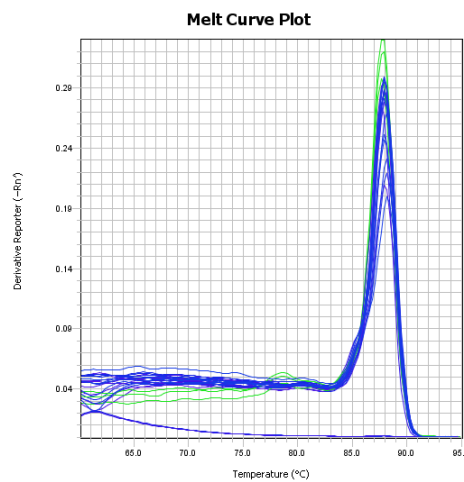
A₂ Melt Curve Plot



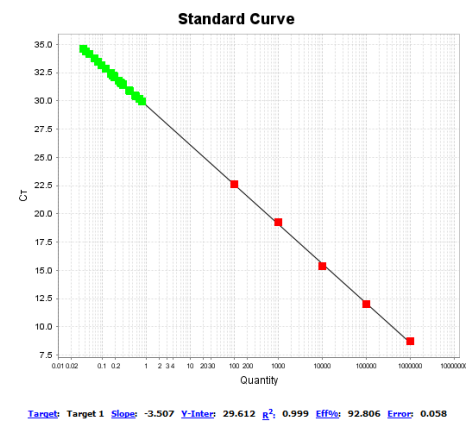
A₃ Standard Curve



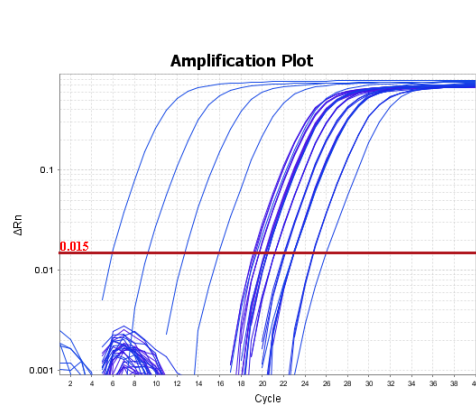
B₁ Amplification Plot



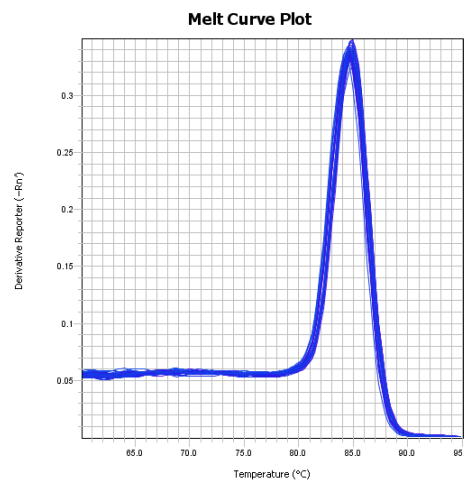
B₂ Melt Curve Plot



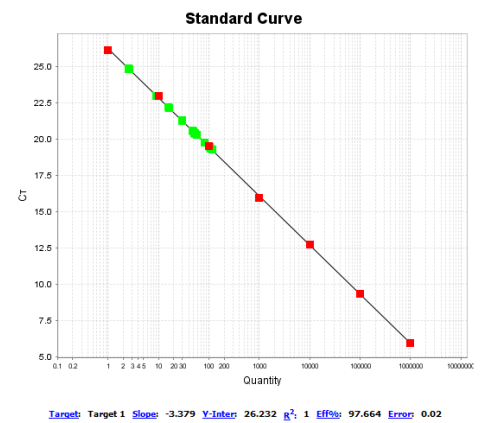
B₃ Standard Curve



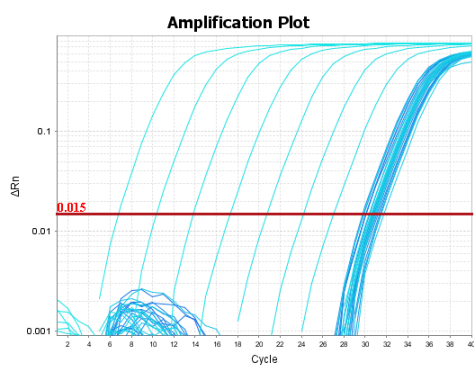
C₁ Amplification Plot



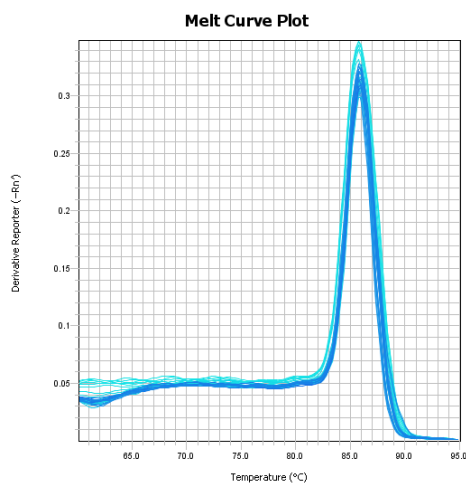
C₂ Melt Curve Plot



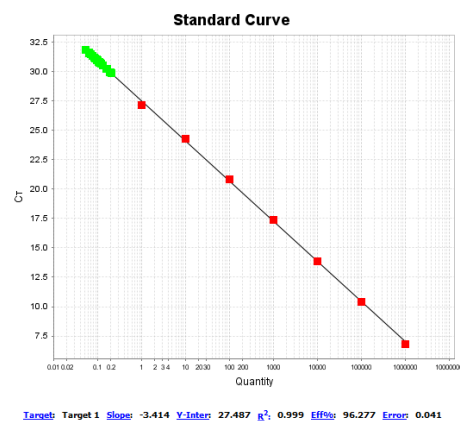
C₃ Standard Curve



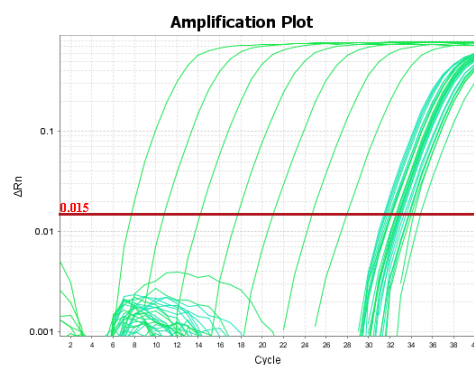
D₁ Amplification Plot



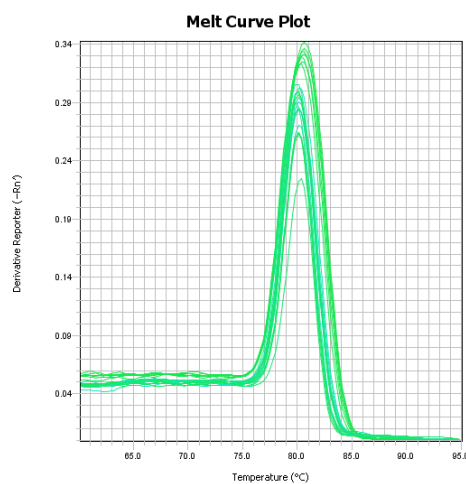
D₂ Melt Curve Plot



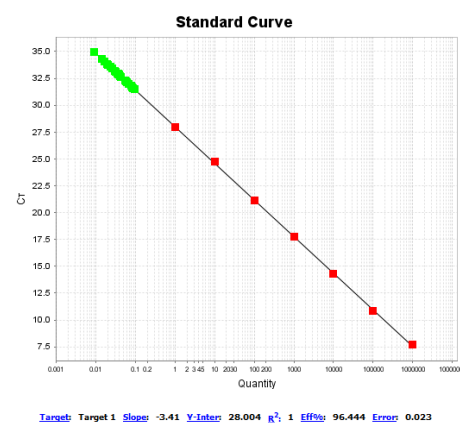
D₃ Standard Curve



E₁ Amplification Plot



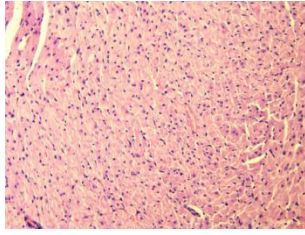
E₂ Melt Curve Plot



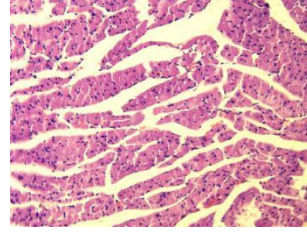
E₃ Standard Curve

Fig.S2 Amplification plot, melt curve plot and standard curve of five circRNAs. A, mmu-circRNA-013703; B, mmu-circRNA-008436; C, mmu-circRNA-010022; D, mmu-circRNA-23433; E, mmu-circRNA-40996

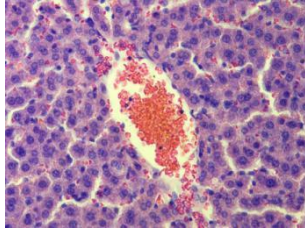
Fig.S3



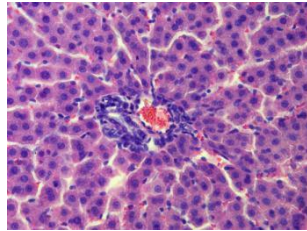
A Heart (HE×200)



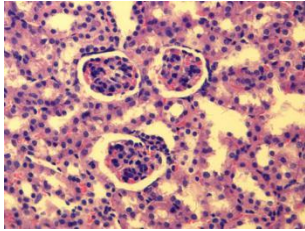
B Heart (HE×200)



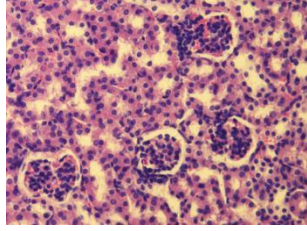
A Liver (HE×400)



B Liver (HE×400)



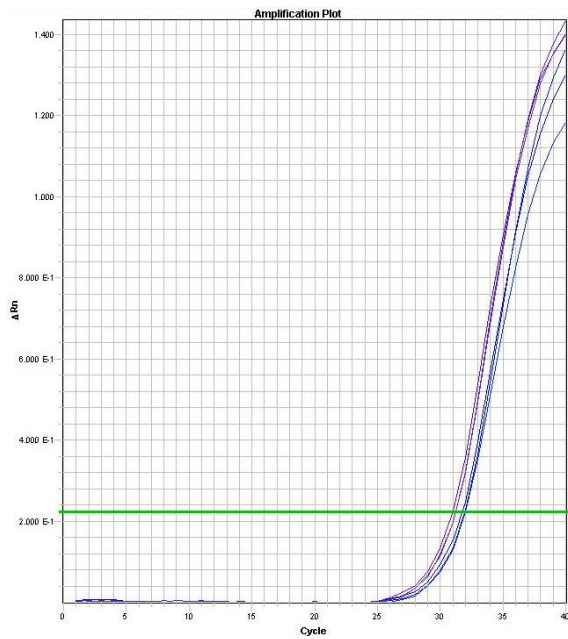
A Kidneys (HE×400)



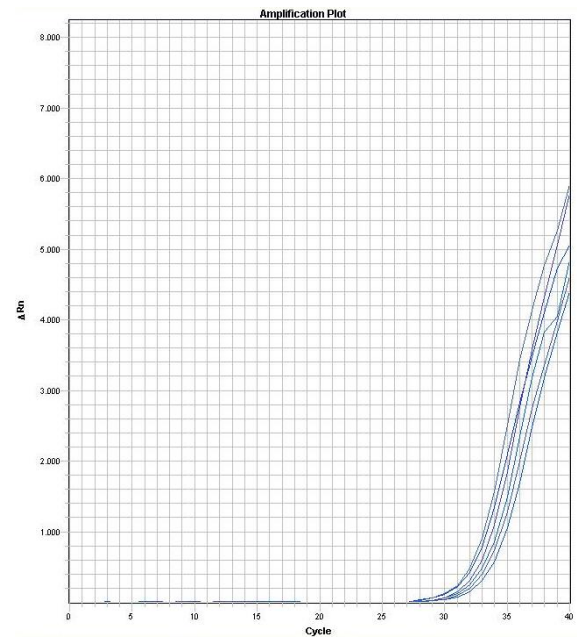
B Kidneys (HE×400)

Fig.S3 Morphological changes during GE intoxication. Groups: A, control group; B, GE group

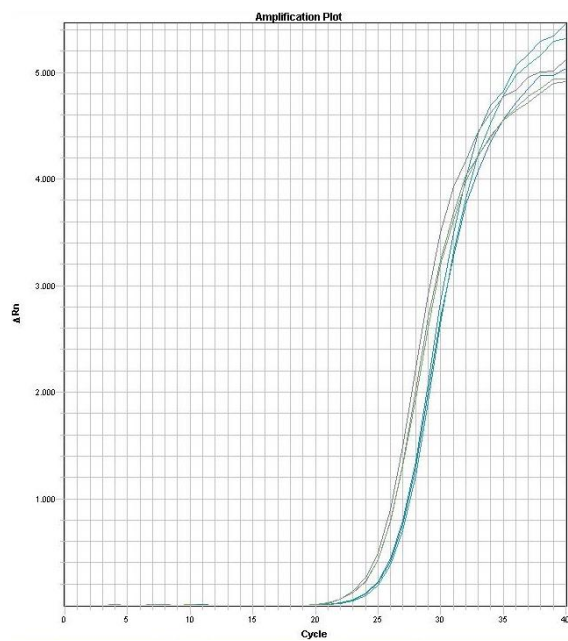
Fig.S4



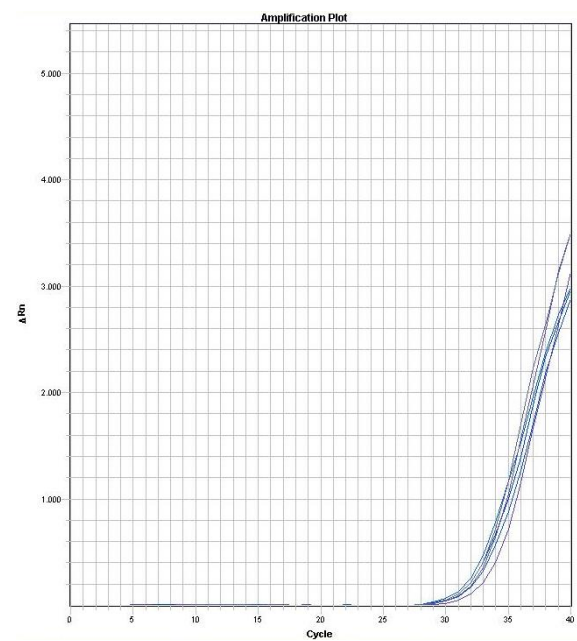
ADCY6 Amplification Plot



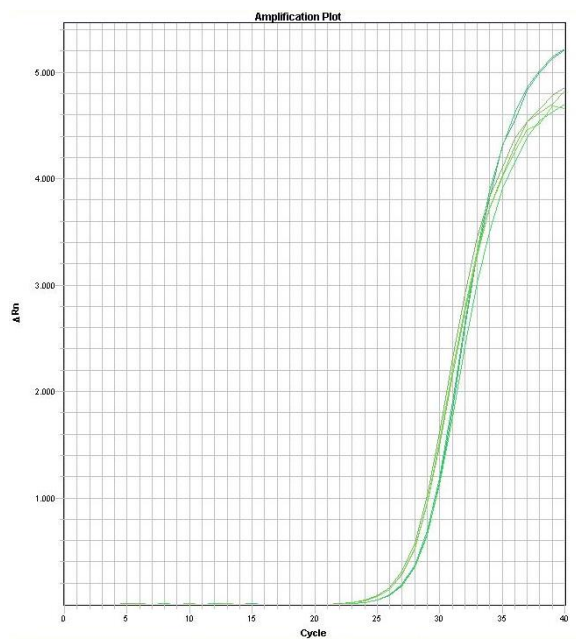
ATP1A3 Amplification Plot



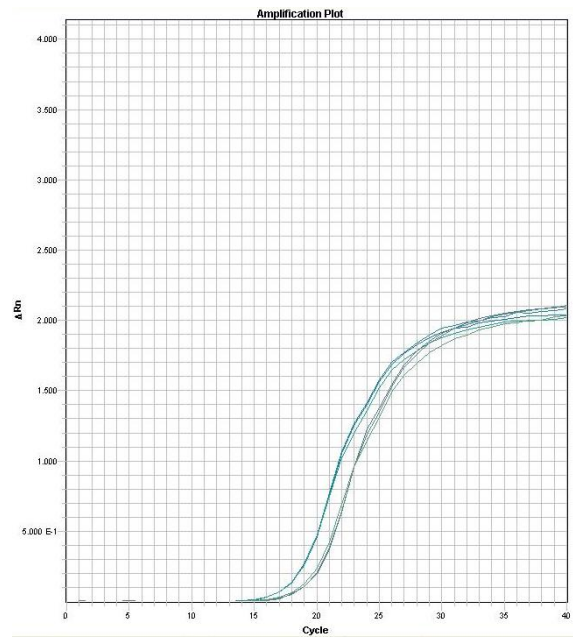
EPHA2 Amplification Plot



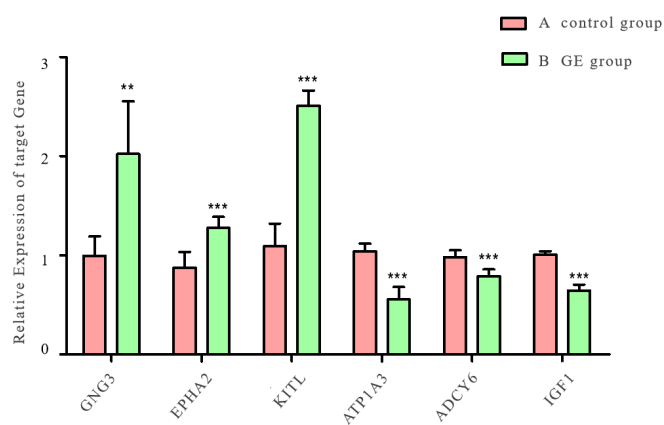
GNG3 Amplification Plot



KITL Amplification Plot



IGF1 Amplification Plot



Relative expression of target genes

Fig.S4 Amplification Plot and relative expression of ADCY6, ATP1A3, EPHA2, GNG3, KITL and IGF1. *P

<0.05, **P<0.01, ***P<0.001, versus control

Supplementary Table 1

Supplementary Table 1 Other significantly up/downregulated circRNAs and Gene Symbol

circRNA	Regulation	P-value	fold change	circRNA_type	Chromosome	Best_transcript	Gene Symbol
mmu_circR NA_27842	up	0.02660	1.78	exonic	chr14	NM_001164503	Akap11
mmu_circR NA_19495	up	0.01453	1.53	sense overlapping	chr8	NM_199446	Phkb
mmu_circR NA_22927	up	0.04467	1.89	exonic	chr11	NM_146243	Actr2
mmu_circR NA_42366	up	0.02396	1.74	exonic	chr7	NM_010207	Fgfr2
mmu_circR NA_012180	up	0.02486	1.54	exonic	chr8	NM_199446	Phkb
mmu_circR NA_23433	up	0.02785	1.55	exonic	chr11	NM_021354	Drg2
mmu_circR NA_30663	up	0.01031	2.03	exonic	chr17	NM_175333	Slc25a41
mmu_circR NA_21079	up	0.03082	1.58	exonic	chr1	NM_001136104	Abl2
mmu_circR NA_007735	up	0.00695	1.85	exonic	chr19	NM_145505	Fam160b1
mmu_circR NA_001644	up	0.01177	1.57	exonic	chr7	NM_207302	Zranb1
mmu_circR NA_43389	up	0.01584	1.68	exonic	chr8	NM_022309	Cbfb
mmu_circR NA_35148	up	0.04084	1.76	exonic	chr3	NM_030732	Tbl1xr1
mmu_circR NA_26114	up	0.02150	1.95	exonic	chr13	NM_027118	Cdk13
mmu_circR NA_28609	up	0.02135	1.97	exonic	chr15	NM_145470	Deptor
mmu_circR NA_21054	up	0.02441	1.54	exonic	chr1	NM_028250	Acbd6
mmu_circR NA_008057	up	0.04043	1.71	exonic	chr9	NM_144937	Usp3
mmu_circR NA_014539	up	0.03401	1.71	exonic	chr7	NM_181517	Ipo7
mmu_circR NA_19525	up	0.04766	1.64	sense overlapping	chr9	NM_144937	Usp3
mmu_circR NA_36616	up	0.02640	1.57	exonic	chr4	NM_011884	Rngtt
mmu_circR NA_31512	down	0.02760	2.31	exonic	chr18	NM_001110015	Wdr36

mmu_circR NA_015474	down	0.03714	1.76	antisense	chr19	NM_010123	Eif3a
mmu_circR NA_20709	down	0.04657	1.90	exonic	chr1	NM_019933	Ptpn4
mmu_circR NA_30235	down	0.02387	1.56	exonic	chr17	NM_011948	Map3k4
mmu_circR NA_41362	down	0.00742	1.54	exonic	chr7	NM_001112739	Kcnc1
mmu_circR NA_20282	down	0.00859	3.62	exonic	chr1	NM_175510	Unc80
mmu_circR NA_19307	down	0.01812	1.85	sense overlapping	chr3	NM_010259	Gbp2b
mmu_circR NA_36357	down	0.04539	1.97	exonic	chr3	NM_001093752	Srsf11
mmu_circR NA_33285	down	0.04251	1.76	exonic	chr2	NM_172661	Prrc2b
mmu_circR NA_45756	down	0.03223	3.26	exonic	chrX	NM_177750	Frmpd3
mmu_circR NA_42064	down	0.00103	1.56	exonic	chr7	NR_037617	St5
mmu_circR NA_27840	down	0.03327	2.91	sense overlapping	chr14	NM_025384	Dnajc15
mmu_circR NA_34136	down	0.03290	1.52	exonic	chr2	NM_001033347	D430041D05 Rik
mmu_circR NA_43430	down	0.03308	1.54	exonic	chr8	NM_018823	Nfat5
mmu_circR NA_38638	down	0.04933	2.07	intergenic	chr5		
mmu_circR NA_34796	down	0.04687	1.80	sense overlapping	chr2	ENSMUST0000 0118786	Gm14494
mmu_circR NA_41421	down	0.00801	1.84	exonic	chr7	NM_080853	Slc17a6
mmu_circR NA_23254	down	0.00811	1.56	exonic	chr11	NM_001290709	Ebf1
mmu_circR NA_23074	down	0.03717	1.56	exonic	chr11	NM_027260	Vrk2
mmu_circR NA_25572	down	0.04618	2.00	exonic	chr12	NM_144524	Angel1
mmu_circR NA_33280	down	0.01057	1.52	exonic	chr2	NM_172661	Prrc2b
mmu_circR NA_25827	down	0.00576	1.54	intronic	chr12	uc007pat.2	Meg3
mmu_circR NA_24650	down	0.04298	1.98	sense overlapping	chr12	ENSMUST0000 0175951	Gm24758

mmu_circR NA_009247	down	0.03089	1.75	exonic	chr19	NM_198300	Cpeb3
mmu_circR NA_22351	down	0.04381	1.60	exonic	chr10	NM_026070	Ccdc53
mmu_circR NA_31342	down	0.04437	1.54	exonic	chr18	NM_145492	Zfp521
mmu_circR NA_33211	down	0.04367	1.66	exonic	chr2	NM_009442	Ttf1
mmu_circR NA_014264	down	0.02483	2.72	antisense	chr6	NM_008973	Ptn
mmu_circR NA_34416	down	0.03638	2.26	exonic	chr2	NM_178795	Ppip5k1
mmu_circR NA_19219	down	0.00222	2.01	sense overlapping	chr19	NM_013456	Actn3
mmu_circR NA_25595	down	0.00354	1.78	exonic	chr12	NM_172544	Nrxn3
mmu_circR NA_42497	down	0.02943	1.55	exonic	chr7	NM_001113373	Shank2
mmu_circR NA_28644	down	0.03466	1.58	exonic	chr15	NM_010026	Asap1
mmu_circR NA_43904	down	0.04378	1.85	exonic	chr9	NM_001033323	Igsf9b
mmu_circR NA_33317	down	0.00215	1.54	exonic	chr2	NM_175184	Mvb12b
mmu_circR NA_35476	down	0.03643	2.11	exonic	chr3	NM_020007	Mbnl1
mmu_circR NA_34815	down	0.00493	1.83	exonic	chr2	NM_001004721	Pigu
mmu_circR NA_017967	down	0.04749	2.49	antisense	chr1	NM_009930	Col3a1
mmu_circR NA_29304	down	0.04305	1.66	exonic	chr16	NM_011159	Prkdc
mmu_circR NA_34224	down	0.02464	1.73	intronic	chr2	ENSMUST0000 0003705	Aven
mmu_circR NA_45965	down	0.03967	1.61	exonic	chrX	NM_183427	Gla2
mmu_circR NA_43180	down	0.00465	1.68	exonic	chr8	NM_011925	Adgre5
mmu_circR NA_43151	down	0.02360	2.04	exonic	chr8	NM_008539	Smad1
mmu_circR NA_23571	down	0.04410	1.54	antisense	chr11	NM_175681	Glp2r
mmu_circR NA_41215	down	0.04247	1.90	antisense	chr7	NM_009696	Apoe

mmu_circR NA_21271	down	0.03445	1.86	exonic	chr1	NM_025321	Sdhc
mmu_circR NA_42212	down	0.03661	1.91	exonic	chr7	NM_027815	9030624J02Rik
mmu_circR NA_24475	down	0.01608	1.57	exonic	chr11	NM_028898	Rptor
mmu_circR NA_23299	down	0.02664	1.66	exonic	chr11	NM_001294323	Zfp2
mmu_circR NA_31801	down	0.00921	1.78	exonic	chr18	NM_134134	Hmgxb3
mmu_circR NA_31315	down	0.03435	1.84	exonic	chr18	NM_001190371	Ankrd29
mmu_circR NA_22793	down	0.04579	1.91	exonic	chr10	NM_019963	Stat2
mmu_circR NA_39113	down	0.01868	1.53	exonic	chr5	NM_011578	Tgfb3
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mmu_circR NA_30470	down	0.03012	1.81	sense overlapping	chr17	NM_172458	Zfp871

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mmu_circR NA_20357	down	0.01785	1.62	exonic	chr1	NM_001014974	Ttll4

mmu_circR NA_014583	down	0.02831	2.09	exonic	chr4	NM_018799	Eif3i
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mmu_circR NA_39660	down	0.04064	1.81	exonic	chr5	NM_029438	Smurf1
mmu_circR NA_31167	down	0.02770	1.51	intergenic	chr17		
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mmu_circR NA_42058	down	0.04255	1.60	exonic	chr7	NM_021885	Tub
mmu_circR NA_44291	down	0.04946	1.75	sense overlapping	chr9	NM_009145	Nptn
mmu_circR NA_42995	down	0.01281	1.58	exonic	chr8	NM_172753	Csgalnact1
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mmu_circR NA_39643	down	0.00205	1.51	sense overlapping	chr5	NM_008886	Pms2
mmu_circR NA_32256	down	0.03484	1.60	sense overlapping	chr19	TCONS_00015 994	XLOC_01186 0
mmu_circR NA_30323	down	0.04386	1.87	exonic	chr17	NM_011647	Tsc2
mmu_circR NA_015001	down	0.04902	1.64	antisense	chr1	NR_002840	Gas5
mmu_circR NA_25690	down	0.00644	1.65	exonic	chr12	NM_001033213	Ttc7b
mmu_circR NA_36086	down	0.01647	1.78	exonic	chr3	NM_172525	Arhgap29
mmu_circR NA_38636	down	0.04815	1.99	sense overlapping	chr5	NM_001122758	Pcdh7
mmu_circR NA_006263	down	0.00059	1.71	sense overlapping	chr10	NM_029881	Tmem200a

mmu_circR NA_43170	down	0.04455	2.00	sense overlapping	chr8	NM_008357	Il15
mmu_circR NA_43816	down	0.01784	1.67	exonic	chr9	NM_173777	Olfm2
mmu_circR NA_34234	down	0.02777	1.68	exonic	chr2	NM_177652	Ryr3
mmu_circR NA_28787	down	0.01399	1.71	sense overlapping	chr15	NM_011117	Plec
mmu_circR NA_008839	down	0.00866	1.50	exonic	chrX	uc009uss.2	Sh3kbp1
mmu_circR NA_25311	down	0.03659	1.80	exonic	chr12	NM_153457	Rtn1
mmu_circR NA_006877	down	0.04031	1.52	exonic	chr1	NM_030724	Uck2