

**Supplementary Table 2. Significantly downregulated genes in miR-29b knockdown cells upon rapamycin treatment in Tsc2<sup>-/-</sup> MEFs, as quantified by RNA-sequencing**

Gene	Fold change	pval	padj	In CI	TS Target
Zfp691	0.4990627	4.90E-05	7.88E-04	-	-
Zmynd15	0.49820521	2.54E-04	3.34E-03	-	-
Jph2	0.49808919	2.19E-06	4.93E-05	yes	-
Slc16a2	0.49660373	6.40E-08	1.96E-06	yes	yes
Glipr1	0.49585562	2.15E-09	8.40E-08	-	-
Smoc1	0.4950297	7.09E-21	1.01E-18	yes	-
Slc13a5	0.49148729	8.05E-04	9.00E-03	-	-
Tnfsf18	0.49148047	3.05E-07	8.15E-06	yes	-
Pcolce2	0.49104767	4.10E-13	2.51E-11	-	-
Tmem171	0.48696129	1.98E-06	4.49E-05	yes	-
Pcdh1	0.48646233	1.83E-05	3.31E-04	yes	-
Edn1	0.48595108	7.03E-37	2.60E-34	yes	-
Adra2a	0.48301336	2.23E-04	2.98E-03	yes	-
Ptprb	0.48297319	5.15E-16	4.33E-14	yes	-
Ccl20	0.48222555	1.96E-07	5.44E-06	yes	-
Lbh	0.48093272	2.51E-31	6.88E-29	-	-
Crispld2	0.48040864	6.51E-10	2.75E-08	-	-
Slc9a2	0.47906755	5.73E-05	9.05E-04	yes	-
Samd5	0.47750409	7.33E-18	8.04E-16	-	-
Mpzl2	0.47381934	2.96E-38	1.35E-35	-	-
Sla	0.47324527	2.52E-04	3.31E-03	yes	-
Col8a2	0.46488249	1.96E-29	4.79E-27	yes	-
Cyth4	0.46204267	1.75E-16	1.55E-14	-	-
Myl7	0.45999019	1.07E-06	2.59E-05	yes	-
Panx3	0.45374763	6.69E-06	1.35E-04	yes	-
Serpinb7	0.45372624	2.25E-07	6.16E-06	-	-
Clcn1	0.45213171	1.45E-06	3.42E-05	yes	-

S100a7a	0.45020126	1.22E-10	5.75E-09	-	-
Ptpn22	0.44871832	2.23E-05	3.93E-04	yes	-
Tceal5	0.4441251	5.33E-06	1.10E-04	-	-
Srpk3	0.44392535	2.83E-06	6.25E-05	-	-
Shisa7	0.44060751	9.12E-05	1.37E-03	-	-
Asic3	0.43553996	3.93E-10	1.71E-08	-	-
Lamb3	0.43217604	3.46E-05	5.77E-04	yes	-
Ivl	0.42881492	5.58E-12	3.09E-10	yes	-
Cnn1	0.4272025	1.26E-21	1.91E-19	yes	-
Lman1l	0.42569056	2.19E-05	3.86E-04	-	-
Ifi2712b	0.42376666	5.59E-05	8.86E-04	-	-
Actg2	0.42337119	8.34E-14	5.55E-12	yes	-
Npy4r	0.41355124	5.61E-08	1.74E-06	-	-
Ctgf	0.41187401	3.84E-77	1.22E-73	yes	-
Serpinb2	0.40121654	1.24E-05	2.35E-04	yes	-
Pdgfb	0.39458773	4.25E-48	2.94E-45	yes	yes
Pkp1	0.38019409	3.35E-10	1.47E-08	yes	-
Lmcd1	0.37827203	1.30E-10	6.05E-09	yes	-
Ctsw	0.37546569	1.72E-10	7.85E-09	-	-
Grin2c	0.35999506	2.34E-12	1.36E-10	yes	-
Tnnt2	0.3131939	3.88E-12	2.20E-10	yes	-
Acsbg1	0.27220434	1.39E-21	2.07E-19	-	-