

Supplementary Table 4: Genes targeted by tRF-GluCTC or miR-10 downregulated^a in the murine MZT

Entrez_ID	Gene	GluCTC target	mir-10 target	log ₂ (fold-change) 4C vs Oocyte ^b
13839	Epha5		Yes	-7.4
229011	Samd10	Yes		-5.3
12014	Bach2		Yes	-5.1
16591	Kl		Yes	-5.0
69727	Usp46		Yes	-5.0
244310	Dlgap2		Yes	-4.9
244654	Mtss11		Yes	-4.5
239099	Homez		Yes	-4.5
27386	Npas3		Yes	-4.4
208439	Klhl29		Yes	-4.4
83922	Tsga14	Yes		-4.1
72333	Palld	Yes		-4.1
19013	Ppara		Yes	-4.0
11519	Add2	Yes		-4.0
64898	Lpin2	Yes		-4.0
58887	Repin1	Yes		-3.9
13358	Slc25a1		Yes	-3.9
319924	Apba1	Yes		-3.8
19684	Rdx	Yes		-3.8
22781	Ikzf4	Yes		-3.8
19883	Rora		Yes	-3.8
241656	Pak7	Yes		-3.7
13592	Ebf2		Yes	-3.7
11735	Ank3		Yes	-3.7
217335	Fbf1		Yes	-3.6
14768	Lanc11		Yes	-3.5
14007	Celf2		Yes	-3.5
72844	Kctd17		Yes	-3.5
11785	Apbb1	Yes		-3.4
22626	Slc23a3		Yes	-3.3
21388	Tbx5		Yes	-3.3
242481	Palm2		Yes	-3.3
217124	Ppp1r9b	Yes		-3.3
26381	Esrrg		Yes	-3.3
208869	Dock3	Yes		-3.2

432530	Adcy1	Yes		-3.1
109205	Sobp		Yes	-3.1
433926	Lrrc8b		Yes	-3.1
54338	Slc23a2	Yes		-3.1
14254	Flt1		Yes	-3.0
52588	Tspan14	Yes		-3.0
170826	Ppargc1b		Yes	-3.0
225743	Rnf165		Yes	-2.9
110279	Bcr		Yes	-2.9
99003	Qser1	Yes		-2.9
331474	Rgag4	Yes		-2.8
228790	Asx11	Yes		-2.8
15118	Has3		Yes	-2.8
18028	Nfib	Yes		-2.8
52428	Rhpn2		Yes	-2.7
71816	Rnf180		Yes	-2.7
54525	Syt7	Yes		-2.7
270201	Klhl18	Yes		-2.7
15571	Elavl3		Yes	-2.7
18645	Pfn2	Yes		-2.7
208151	Tmem132b		Yes	-2.6
214459	Fnbp11		Yes	-2.6
12325	Camk2g		Yes	-2.6
68737	Angel1	Yes		-2.6
76273	Ndfip2		Yes	-2.5
13544	Dvl3		Yes	-2.5
627214	Fam196a		Yes	-2.5
69274	Ctdspl		Yes	-2.4
15569	Elavl2		Yes	-2.4
234353	Psd3	Yes		-2.3
29867	Cabp1	Yes		-2.3
16594	Klc2		Yes	-2.3
19058	Ppp3r1	Yes		-2.2
75788	Smurf1		Yes	-2.2
94109	Csmd1		Yes	-2.2
20969	Sdc1		Yes	-2.2
213988	Tnrc6b		Yes	-2.1
116838	Rims2		Yes	-2.1
238988	Erc2	Yes		-2.0
74126	Syvn1	Yes		-2.0
12053	Bcl6		Yes	-2.0

17257	Mecp2	Yes		-2.0
338365	Slc41a2		Yes	-2.0
268980	Strn		Yes	-2.0
81489	Dnajb1	Yes		-1.9
14270	Srgap2	Yes		-1.8
12570	Cdk5r2	Yes		-1.8
18032	Nfix		Yes	-1.7
69288	Rhobtb1	Yes		-1.7
242443	Grin3a		Yes	-1.7
276952	Rasl10b	Yes		-1.6
75974	Dock11		Yes	-1.6
21844	Tiam1		Yes	-1.6
18569	Pdcd4	Yes		-1.5
231991	Creb5	Yes		-1.5
71865	Fbxo30		Yes	-1.5
330222	Sdk1		Yes	-1.5
76895	Bicd2		Yes	-1.3
320772	Mdga2		Yes	-1.3
17126	Smad2		Yes	-1.3
18141	Nup50		Yes	-1.3
269682	Golga3		Yes	-1.3
101488	Slco2b1	Yes		-1.2
12728	Clcn5		Yes	-1.2
12125	Bcl2l11		Yes	-1.2
76686	Clip3	Yes		-1.2
23879	Fxr2	Yes	Yes	-1.2
217866	Cdc42bpb	Yes		-1.1
26403	Map3k11	Yes		-1.1
194655	Klf11		Yes	-1.1
20807	Srf	Yes		-1.1
212391	Lcor		Yes	-1.1
12703	Socs1	Yes		-1.1
26390	Mapkbp1		Yes	-1.0
12361	Cask		Yes	-1.0

^a $\log_2(\text{fold-change}) \leq -1$

^b Park, S. J., Shirahige, K., Ohsugi, M. & Nakai, K. DBTMEE: a database of transcriptome in mouse early embryos. Nucleic Acids Res (2014).