

Xu\_Table S6. E2F6 target genes

		log2 enrichments in Ntera2 ChIP-chip assays***							
		E2F1A	E2F1B	E2F4A	E2F4B	E2F6A	E2F6B	cell line	Reference
*1	MYC	0.489	0.494	1.381	0.767	1.293	1.57	BJ-1 fibroblasts	Ogawa 2002
2	TK1	0.585	0.405	1.114	0.593	0.917	1.368	BJ-1 fibroblasts	Ogawa 2002
3	CDC25A	0.621	0.465	1.199	0.627	0.98	0.996	BJ-1 fibroblasts	Ogawa 2002
4	E2F1	0.439	0.159	0.744	0.469	0.864	0.881	BJ-1 fibroblasts	Ogawa 2002
5	UXT/ART-27	0.685	0.537	1.044	0.761	3.609	3.678	HEK 293	Oberley, 2003
6	PIR51/RAD51AP1	2.272	1.858	3.132	2.487	3.027	3.264	HEK 293	Oberley, 2013
7	RECQL	1.37	1.165	2.416	1.98	2.749	3.236	HEK 293	Oberley, 2015
8	CBX5	2.487	2.001	2.343	2.164	2.579	2.938	HEK 293	Oberley, 2003
9	RbAP48/RBBP4	1.511	1.195	1.733	1.373	2.52	2.88	HEK 293	Oberley, 2008
10	DDX11	0.945	0.69	1.83	1.204	2.33	2.769	HEK 293	Oberley, 2016
11	SFRS1	1.227	1.347	2.16	1.572	2.323	2.71	HEK 293	Oberley, 2022
12	FNTB	0.41	0.222	0.57	0.506	1.737	2.463	HEK 293	Oberley, 2018
13	METTL2	0.844	0.824	2.022	1.445	2.117	2.428	HEK 293	Oberley, 2026
14	EFNA5	0.342	0.289	0.696	0.421	2.622	2.355	HEK 293	Oberley, 2019
15	MCM3	1.355	1.139	2.813	2.054	1.647	1.896	HEK 293	Oberley, 2003
16	BRCA1	0.46	0.461	1.41	0.818	1.425	1.888	HEK 293	Oberley, 2003
17	TSGA14	0.273	0.223	1.048	0.764	1.581	1.826	HEK 293	Oberley, 2011
18	DCTN4	-0.004	0.039	-0.06	0.004	1.242	1.515	HEK 293	Oberley, 2023
19	NEK11	0.101	0.084	0.133	0.099	0.894	1.289	HEK 293	Oberley, 2012
20	TRFP/MED28	0.473	0.266	0.216	0.307	0.688	1.181	HEK 293	Oberley, 2009
21	CtIP/RBBP8	0.243	0.296	0.541	0.152	0.931	0.971	HEK 293	Oberley, 2004
22	PRKAR1a	0.272	0.123	0.156	-0.009	0.917	0.935	HEK 293	Oberley, 2021
23	DHPS	0.34	0.215	0.314	0.199	0.627	0.924	HEK 293	Oberley, 2020
24	COASTER/znf451	0.337	0.241	0.715	0.396	0.939	0.919	HEK 293	Oberley, 2006
25	HTF6/ZNF43	0.344	0.054	0.484	0.51	0.511	0.885	HEK 293	Oberley, 2010
26	GRIK1	0.07	-0.11	0.266	0.329	0.354	0.791	HEK 293	Oberley, 2025
27	ZNF83	0.006	0.023	0.371	0.19	0.507	0.728	HEK 293	Oberley, 2007
28	RYR2	0.119	-0.008	0.386	0.037	0.401	0.331	HEK 293	Oberley, 2024
29	CHEK2	not on array						HEK 293	Oberley, 2005
30	CAMTA2	not on array						HEK 293	Oberley, 2014
31	TA WDRP	not on array						HEK 293	Oberley, 2017
**32	TUBA3	0.507	0.242	-0.014	-0.033	0.377	0.578	MEFs	Pohlrs 2005
**33	TEX12	0.274	0.077	-0.005	-0.239	0.173	0.362	MEFs	Pohlrs 2005
34	SMC1L2	0.422	0.431	0.641	0.438	2.521	2.78	MEFs	Storre 2005
35	STAG3	0.218	0.147	0.13	0.004	1.208	1.515	MEFs	Storre 2005
36	CDC6	0.975	0.873	1.863	1.289	1.421	1.856	MEFs	Giangrande 2006
37	RR1	0.35	0.291	1.121	0.665	0.863	1.556	MEFs	Giangrande 2006
38	DHFR	0.416	0.271	0.724	0.259	0.598	0.251	MEFs	Giangrande 2006
2	TK1	0.585	0.405	1.114	0.593	0.917	1.368	MEFs	Giangrande 2006
39	poD3	0.843	0.665	1.732	1.466	1.035	1.202	MEFs	Giangrande 2006
40	RR2	-0.132	0.015	0.161	-0.033	0.439	0.574	MEFs	Giangrande 2006
41	TYMS	0.141	0.201	0.107	0.241	0.343	0.231	MEFs	Giangrande 2006
42	PCNA	0.112	0.231	0.338	0.158	0.162	0.242	MEFs	Giangrande 2006
	MFAP1^	1.38	1.145	2.419	1.937	3.974	3.896	Ntera2	top5 E2F6; this study
	MEOX2	0.457	0.297	1.361	1.202	3.843	3.862	Ntera2	top5 E2F6; this study
	RPA2	0.958	0.9	1.977	1.256	3.772	3.789	Ntera2	top5 E2F6; this study
	DHX40	0.688	0.857	1.445	1.013	3.731	3.697	Ntera2	top5 E2F6; this study
	UXT	0.685	0.537	1.044	0.761	3.609	3.678	Ntera2	top5 E2F6; this study
	EVX1^^	0.106	0.136	0.587	0.916	1.845	1.972	Ntera2	#1000 in ranking; this study
	PBX3	0.25	0.371	0.341	0.22	1.458	1.48	Ntera2	#2000 in ranking; this study
	HoxD12	0.072	0.286	0.306	0.134	1.231	0.891	Ntera2	#3000 in ranking; this study
	ZNF512	0.335	0.388	0.273	0.357	1.061	1.471	Ntera2	#4000 in ranking; this study
	RNF167	0.755	0.566	0.884	0.418	0.922	0.898	Ntera2	#5000 in ranking; this study
	ZNF14	-0.032	0.356	0.071	0.137	0.55	0.968	Ntera2	#8700 in ranking; this study
	AIP^^^	0.321	0.21	0.612	0.263	3.317	3.361	Ntera2	top5 E2F6-specific; this study
	ZCCHC7	0.286	0.294	0.436	0.339	3.113	3.307	Ntera2	top5 E2F6-specific; this study
	ZFYVE27	0.177	0.351	0.369	0.221	2.958	3.275	Ntera2	top5 E2F6-specific; this study
	PNPO	0.57	0.263	0.529	0.357	3.064	3.273	Ntera2	top5 E2F6-specific; this study
	RPIA	0.338	0.07	0.535	0.27	2.717	2.978	Ntera2	top5 E2F6-specific; this study

\*42 E2F6 target genes have been reported previously; only 40 were shown by ChIP to bind E2F6. Of these 40 37 are on the 1.5 kb promoter arrays used in this study. Of these 37, 30 were identified as E2F6 targets in Ntera2 cells on at least one array and 28 were identified on both of the arrays.

\*\*binding to the promoter by E2F6 could not be demonstrated by Pohlrs et al. 2005

\*\*\* everything >1.5 fold enriched (0.6 log2) has been highlighted

^Shown are the top 5 ranked E2F6 promoters from Ntera2 cells

^^Shown are the values of E2F6 enrichment at different places in the ranked list of promoters from the E2F6 array

^^^Shown are the values of the top 5 ranked E2F6-specific promoters (bound by E2F6, but not by E2F1 or E2F4).