

Table S2. Enrichment analysis of differentially regulated genes (fold change>1.3, p<0.01) after ZMIZ1 knockdown using C-MYC-related gene lists in the MSigDB Version 3.0 database

Title of MYC gene list	Direction of expression with ZMIZ1 knockdown	Number of genes in gene list	Number of those genes in our list	Actual p-value	Estimated false discovery rate (Q-value)
COLLER_MYC_TARGETS_UP	DOWN	12	6	9.3E-06	0.00025
KIM_MYC_AMPLIFICATION_TARGETS_UP	DOWN	153	21	1.7E-05	0.00034
SCHUHMACHER_MYC_TARGETS_UP	DOWN	67	12	8.2E-05	0.0013
DANG_BOUND_BY_MYC	DOWN	1035	74	5.5E-04	0.0050
DANG_MYC_TARGETS_UP	DOWN	126	15	0.0012	0.0091
DANG_REGULATED_BY_MYC_DN	DOWN	238	23	0.0014	0.01
BENPORATH_MYC_MAX_TARGETS	DOWN	764	55	0.0024	0.016
KIM_MYC_AMPLIFICATION_TARGETS_DN	DOWN	65	6	0.095	>0.05
FERNANDEZ_BOUND_BY_MYC	DOWN	174	12	0.14	>0.25
MENSSSEN_MYC_TARGETS	DOWN	15	2	0.16	>0.25
DANG_REGULATED_BY_MYC_UP	DOWN	65	5	0.21	>0.25
BILD_MYC_ONCOGENIC_SIGNATURE	DOWN	197	12	0.25	>0.25
DANG_MYC_TARGETS_DN	DOWN	30	2	0.43	>0.25
BENPORATH_MYC_TARGETS_WITH_EBOX	DOWN	220	11	0.51	>0.25
COLLER_MYC_TARGETS_DN	DOWN	4	0	1	>0.25
SCHUHMACHER_MYC_TARGETS_DN	DOWN	7	0	1	>0.25
BENPORATH_MYC_MAX_TARGETS	UP	764	122	1.28E-07	0
DANG_BOUND_BY_MYC	UP	1035	151	1.25E-06	0
DANG_REGULATED_BY_MYC_DN	UP	238	34	0.022	>0.05
SCHUHMACHER_MYC_TARGETS_DN	UP	7	3	0.026	>0.05
DANG_MYC_TARGETS_DN	UP	30	7	0.026	>0.05
KIM_MYC_AMPLIFICATION_TARGETS_DN	UP	65	9	0.2	>0.25
BILD_MYC_ONCOGENIC_SIGNATURE	UP	197	23	0.25	>0.25
COLLER_MYC_TARGETS_UP	UP	12	1	0.72	>0.25
BENPORATH_MYC_TARGETS_WITH_EBOX	UP	220	18	0.85	>0.25
DANG_MYC_TARGETS_UP	UP	126	9	0.9	>0.25
FERNANDEZ_BOUND_BY_MYC	UP	174	12	0.94	>0.25
DANG_REGULATED_BY_MYC_UP	UP	65	3	0.96	>0.25
SCHUHMACHER_MYC_TARGETS_UP	UP	67	2	0.99	>0.25
KIM_MYC_AMPLIFICATION_TARGETS_UP	UP	153	5	1	>0.25
MENSSSEN_MYC_TARGETS	UP	15	0	1	>0.25
COLLER_MYC_TARGETS_DN	UP	4	0	1	>0.25