

**Table S1: Fold changes in gene expression over control cells.**

<b>Gene Symbol</b>	<b>Depl</b>	<b>Depl/A2sh</b>	<b>Depl/A2sh /WT Res</b>	<b>Depl/A2sh /HATmutRes</b>
<i>Acly</i>	1.454	1.1173	1.5052	0.9931
<i>Acsl4</i>	0.1406	0.1387	0.2207	0.0954
<i>Angpt1</i>	4.2281	0.5471	1.9453	0.6329
<i>Angpt2</i>	0.9593	1.1567	0.9794	1.3287
<i>Birc3</i>	10.3388	3.0738	5.063	2.6027
<i>Casp2</i>	1.5801	0.7526	1.4241	0.6113
<i>Ccl2</i>	12.4666	4.9588	7.9447	4.1699
<i>Ddb2</i>	2.3457	1.2397	1.7291	1.434
<i>Dkc1</i>	8.8152	1.7901	2.8284	1.4142
<i>Erc5</i>	3.4822	1.5263	2.1585	1.6702
<i>Foxc2</i>	1.257	0.4061	0.8706	0.5249
<i>Gadd45g</i>	3.1821	0.6373	1.8661	0.5987
<i>Igfbp3</i>	0.1528	0.3978	0.1051	0.3415
<i>Map2k1</i>	4.5631	0.9931	2.0705	1.0425
<i>Ppp1r15a</i>	2.0994	0.4383	1.6702	0.5249
<i>Stmn1</i>	0.3345	0.6507	0.3463	0.9593
<i>Terf2ip</i>	2.639	0.9075	1.1173	0.6071
<i>Tinf2</i>	0.3511	0.3923	0.2793	0.4263
<i>Tnks</i>	0.8586	0.4005	0.732	0.2606
<i>Tnks2</i>	1.4241	1.3195	1.4241	0.9138
<i>Xiap</i>	1.4142	0.8645	1.1408	0.7684