

Supplementary Table S1: Gene sets enriched in genes down-regulated by ESRP2 and Arkadia in OS-RC-2 cells.

Pre-ranked gene set enrichment analysis (GSEAPreranked) was performed with genes down-regulated by both ESRP2 and Arkadia in OS-RC-2 cells using oncogenic signatures c6 gene sets in MSigDB. Gene sets with more than or equal to 1.5 NES values are shown in the list. NES: normalized enrichment score.

Gene sets	NES
1 SRC_UP.V1_DN	2
2 WNT_UP.V1_UP	1.97
3 CRX_DN.V1_DN	1.96
4 PTEN_DN.V2_UP	1.92
5 MYC_UP.V1_DN	1.91
6 TBK1.DN.48HRS_UP	1.91
7 SNF5_DN.V1_UP	1.91
8 KRAS.600_UP.V1_UP	1.9
9 E2F3_UP.V1_DN	1.88
10 EIF4E_UP	1.87
11 PRC2_EZH2_UP.V1_DN	1.87
12 PRC2_EZH2_UP.V1_UP	1.87
13 CAHOY_ASTROGLIAL	1.86
14 GCNP_SHH_UP_EARLY.V1_DN	1.84
15 IL2_UP.V1_DN	1.82
16 PRC2_SUZ12_UP.V1_UP	1.8
17 ATF2_UP.V1_DN	1.79
18 HOXA9_DN.V1_DN	1.79
19 CAHOY_OLIGODENDROCUTIC	1.78
20 NOTCH_DN.V1_UP	1.78
21 CSR_LATE_UP.V1_UP	1.76
22 BMI1_DN.V1_UP	1.75
23 PDGF_ERK_DN.V1_DN	1.74
24 RPS14_DN.V1_DN	1.73
25 ESC_J1_UP_EARLY.V1_UP	1.72
26 GCNP_SHH_UP_EARLY.V1_UP	1.71
27 EIF4E_DN	1.69
28 AKT_UP.V1_UP	1.68
29 E2F3_UP.V1_UP	1.67
30 CYCLIN_D1_KE_V1_UP	1.66
31 PDGF_UP.V1_UP	1.65
32 E2F1_UP.V1_UP	1.65
33 KRAS.DF.V1_UP	1.64
34 PIGF_UP.V1_DN	1.63
35 AKT_UP_MTOR_DN.V1_UP	1.63
36 RB_P107_DN.V1_DN	1.62
37 MEL18_DN.V1_UP	1.62
38 RB_DN.V1_UP	1.61
39 MTOR_UP.N4.V1_UP	1.61
40 ESC_J1_UP_LATE.V1_UP	1.61
41 MEK_UP.V1_DN	1.61
42 VEGF_A_UP.V1_DN	1.6
43 DCA_UP.V1_DN	1.59
44 JNK_DN.V1_DN	1.59
45 CSR_EARLY_UP.V1_UP	1.58
46 MEK_UP.V1_UP	1.57
47 PRC2_EDD_UP.V1_UP	1.56
48 E2F1_UP.V1_DN	1.55
49 ERB2_UP.V1_UP	1.53
50 GCNP_SHH_UP_LATE.V1_UP	1.5