

**Table S3.** MicroRNAs whose expression correlates with an absolute Pearson correlation coefficient >0.4 for at least one of the radiation sensitivity parameters SF2, SF5 or SF8 in 53 non-leukemia NCI-60 cell-lines<sup>a</sup>

	<i>Pearson r</i>		
	<i>SF2</i>	<i>SF5</i>	<i>SF8</i>
Liu			
<i>let-7i</i>	0.42	0.37	0.40
<i>miR-142-3p</i>	-0.04	-0.16	-0.45
<i>miR-142-5p</i>	0.00	-0.12	-0.43
<i>miR-193b</i>	0.28	0.31	0.42
Patnaik			
<i>let-7e</i>	0.45	0.35	0.33
<i>let-7i</i>	0.43	0.40	0.41
<i>let-7i*</i>	0.32	0.38	0.46
<i>miR-125a-5p</i>	0.43	0.33	0.31
<i>miR-142-5p</i>	-0.33	-0.38	-0.41
<i>miR-193b</i>	0.36	0.37	0.44
<i>miR-193b*</i>	0.33	0.40	0.45
<i>miR-552</i>	-0.46	-0.37	-0.12
<i>miR-592</i>	-0.62	-0.57	-0.39
<i>miR-99b</i>	0.40	0.33	0.30
Sokilde			
<i>let-7g*</i>	0.43	0.41	0.23
<i>let-7i</i>	0.43	0.42	0.47
<i>miR-103-2*</i>	-0.46	-0.39	-0.26
<i>miR-142-3p</i>	-0.46	-0.45	-0.50
<i>miR-142-5p</i>	-0.45	-0.46	-0.51
<i>miR-153</i>	-0.23	-0.28	-0.47
<i>miR-193b</i>	0.38	0.41	0.46
<i>miR-217</i>	-0.18	-0.26	-0.42
<i>miR-223</i>	-0.30	-0.30	-0.40
<i>miR-488*</i>	0.48	0.48	0.31
<i>miR-592</i>	-0.44	-0.34	-0.27
<i>miR-625</i>	-0.34	-0.43	-0.51
<i>miR-647</i>	0.42	0.38	0.11
<i>miRPlus-A1044</i>	-0.33	-0.39	-0.47

<sup>a</sup>Log<sub>2</sub>-transformed data on the radiation sensitivity parameters were obtained from the study of Amundson, et al. (*Cancer Res*, 68:415-424). Log<sub>2</sub>-transformed expression measurements of 365, 495 and 896 microRNAs were respectively from the studies of Liu, et al. (*Mol Cancer*

*Ther*, 9:1080-1091), Patnaik, et al. (current study), and Sokilde, et al. (*Mol Cancer Ther*, 10:375-384) as indicated in the table.