

**S2 Table. *SMC1A* Silencing by each siRNA Increases Mean Nuclear Volume in J21 Cells.**

	# Nuclei	Mean Nuclear Volume ( $\mu\text{m}^3$ )	Standard Deviation	<i>p</i> -value	Fold Increase <sup>A</sup>
<b>Untreated</b>	207	3022.7	866.0	N/A <sup>B</sup>	1.0
<b>si<i>GAPDH</i></b>	191	3104.8	764.6	0.3184	1.0
<b>si<i>SMC1A-1</i></b>	247	3292.2	1063.4	0.0036	1.1
<b>si<i>SMC1A-2</i></b>	141	3412.9	1287.9	0.0008	1.1
<b>si<i>SMC1A-3</i></b>	194	3991.2	1474.4	<0.0001	1.3
<b>si<i>SMC1A-4</i></b>	128	4828.0	1477.5	<0.0001	1.6

<sup>A</sup>Fold increase values refer to the increase in mean nuclear volume relative to the untreated control.

<sup>B</sup>N/A; not applicable