

**Table S2. Comparison of expression array data for *Ring1B* -KO and *Ring1A/B*-dKO ES cells****A. Average fold expression changes in *Ring1B*-KO and *Ring1A/B*-dKO (ratio of KO/control)**

	Total	GO:development ( <i>P</i> value)
<i>Ring1B</i> -KO (day 4)	1.011	1.046 ( $2.8 \times 10^{-3}$ )
<i>Ring1A/B</i> -dKO (day 4)	1.031	1.389 ( $2.4 \times 10^{-18}$ )
No. of probes	45,037	1006

**B. Average ratios of *Ring1A/B*-dKO (day 4) to *Ring1B*-KO (day 4) for each probe**

	No. of probes	dKO/KO	<i>P</i> value
Total	27,280	0.986	$1.9 \times 10^{-3}$
GO:development	668	1.206	$7.2 \times 10^{-9}$