

## Supplemental Information S11\_Fig. 6D

E13.5 XY PGCs (48 h)

1st	Hoechst	$\gamma$ H2AX-positive	$\gamma$ H2AX-negative	% of $\gamma$ H2AX-positive cells	% of $\gamma$ H2AX-negative cells
Control	75	2	73	2.7	97.3
RA	40	15	25	37.5	62.5
RA+U0126	130	6	124	4.6	95.4
U0126	74	4	70	5.4	94.6

2nd	Hoechst	$\gamma$ H2AX-positive	$\gamma$ H2AX-negative	% of $\gamma$ H2AX-positive cells	% of $\gamma$ H2AX-negative cells
Control	176	3	173	1.7	98.3
RA	31	9	22	29.0	71.0
RA+U0126	80	4	76	5.0	95.0
U0126	72	2	70	2.8	97.2

3rd	Hoechst	$\gamma$ H2AX-positive	$\gamma$ H2AX-negative	% of $\gamma$ H2AX-positive cells	% of $\gamma$ H2AX-negative cells
Control	86	2	84	2.3	97.7
RA	98	42	56	42.9	57.1
RA+U0126	124	9	115	7.3	92.7
U0126	143	3	140	2.1	97.9

Total	Hoechst	$\gamma$ H2AX-positive	$\gamma$ H2AX-negative	% of $\gamma$ H2AX-positive cells	% of $\gamma$ H2AX-negative cells
Control	337	7	330	2.1	97.9
RA	169	66	103	39.1	60.9
RA+U0126	334	19	315	5.7	94.3
U0126	289	9	280	3.1	96.9