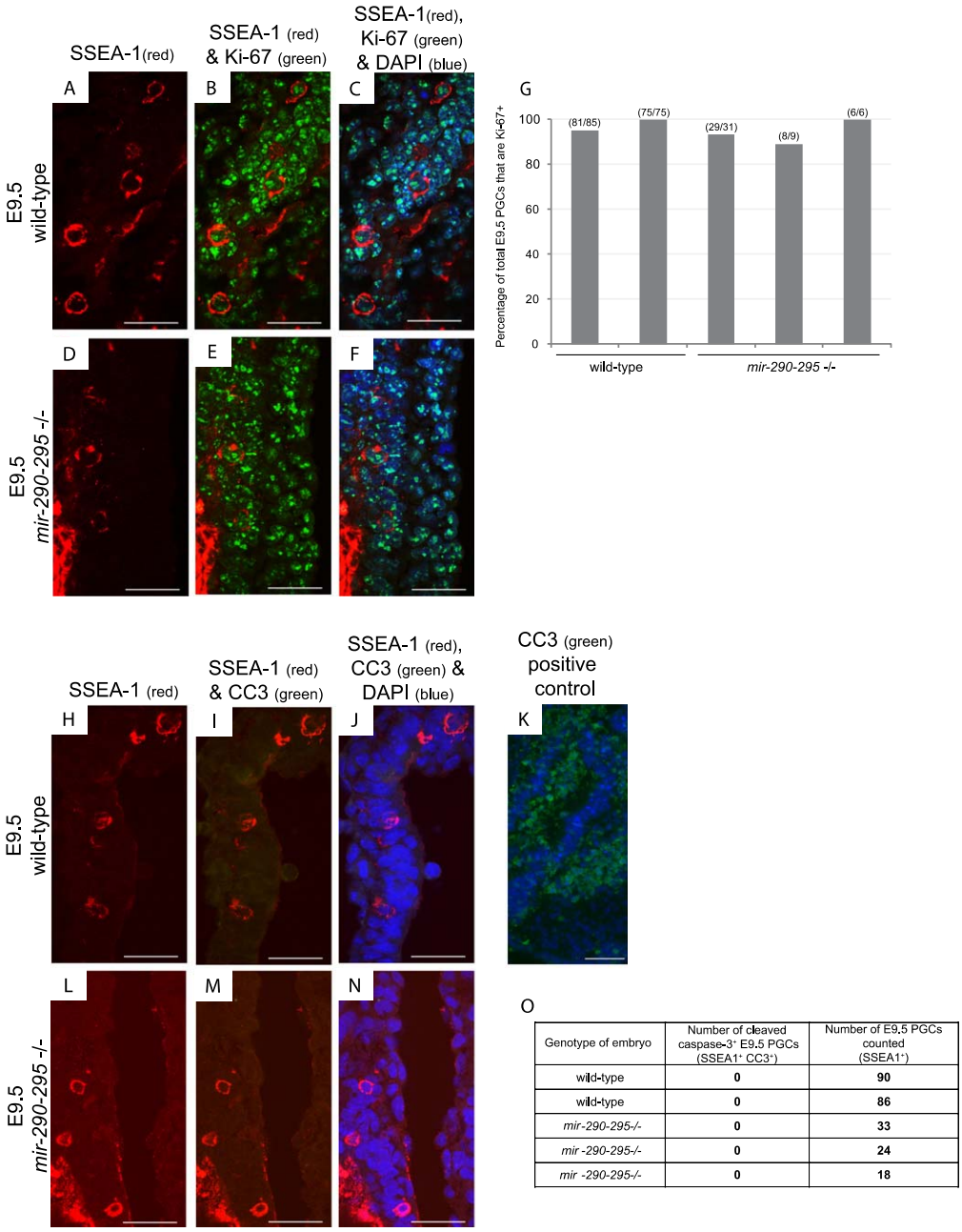

Genotype of embryo	Number of cleaved caspase-3⁺ E9.5 PGCs (SSEA1⁺ CC3⁺)	Number of E9.5 PGCs counted (SSEA1⁺)
wild-type	0	90
wild-type	0	86
mir-290-295-/-	0	33
mir -290-295-/-	0	24
mir -290-295-/-	0	18

Fig. S3. *mir-290–295*$^{-/-}$ E9.5 PGCs do not undergo cell cycle arrest or apoptosis. (*A–F*) Representative sections from E9.5 wild-type (*A–C*) and *mir-290–295*$^{-/-}$ (*D–F*) embryos stained for SSEA-1, K_i-67, and DAPI. (*G*) Percentage of total PGCs that are K_i-67$^+$. Numbers in parentheses show the actual number of K_i-67$^+$ PGCs (SSEA-1$^+$ K_i-67$^+$ cells) over the total number of PGCs counted for that embryo (SSEA-1$^+$ cells). Note that at least 90% of PGCs in both wild-type and *mir-290–295*$^{-/-}$ embryos are K_i-67$^+$. (*H–J*) Representative sections from E9.5 wild-type and *mir-290–295*$^{-/-}$ (*L–N*) embryos stained for SSEA-1, cleaved caspase-3 (CC3), and DAPI. (*K*) Section of dying embryo stained for cleaved caspase-3 and DAPI to prove the validity of the antibody and staining procedure. (*O*) Table outlining the number of cleaved caspase-3$^+$ PGCs observed in wild-type and *mir-290–295*$^{-/-}$ E9.5 embryos. Note that no PGCs in either homozygous knockout or wild-type embryos were positive for cleaved caspase-3. (All scale bars, 25 μM.)