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	Plasticity of germ cells	
	Diploid premeiotic cells Potentially totipotent Often act as stem cells (self renewing population dynamics)	
	Located in somatic (stem cell) niches Highly selected for DNA integrity	
	In vitro: Unrestricted developmental potential In vivo: Often restricted developmental potential (Spermatogonia generate only sperm as unique endpoint)	
	ES EG PGC Gonocyte Spermatogonium	









































