Species	Cell Cycle Checkpoints	Predominant DNA Repair Pathway	Apoptosis
Mammals	G1/S checkpoint: -	Homologous recombination	From two-cell stage in mouse
	G2/M checkpoint: +		
Xenopus	After midblastrula transition	N.D.	After onset of gastrulation
Fish	After midblastrula transition in zebrafish	N.D.	After mid-gastrulation stage in zebrafish

Supplementary Table S1. The difference of cellular response to ionizing radiation among species. +: effective; -: defective; N.D.: Not Determined.