

APPENDIX 1.
SUMMARY OF DATA ON GENETIC AND
RELATED EFFECTS

Appendix 1. Summary of data on genetic and related effects

Agent	Nonmammalian systems												Mammalian systems																																					
	Proka- ryotes		Lower eukaryotes				Plants			Insects				In vitro										In vivo																										
														Animal cells					Human cells					Animals				Humans																						
	D	G	D	R	G	A	D	G	C	R	G	C	A	D	G	S	M	C	A	T	I	D	G	S	M	C	A	T	I	D	G	S	M	C	DL	A	D	S	M	C	A									
Acetaldehyde	+	+							+							+	+	+	+	-*																														
Acrolein		+	-*		-*												+	+	?																															
Acrylonitrile	+	+		+	+	+		+		-	+				+	+	+	+	+	-	+	+																												
Actinomycin D	-*	-	-*	?	+	+			-*		+	+				+	+	+		-*	+																													
Adriamycin	+	+		+	+	+			+		+					+					+	+																												
Aflatoxin B ₁	+	+		+	+				+		+					+					+	+																												
Aflatoxin B ₂	-	+		-*	-*										+	-*	+				+																													
Aflatoxin G ₁	+	+		-*	+										+		+				+																													
Aflatoxin G ₂	-	?			-*										+	-	+				-*																													
Aflatoxin M ₁	-	+														+					+																													
Aldrin	-*	-			+										?																																			
4-Aminobiphenyl	+	+													+	+																																		
Amitrole	-	-		?	?	+			+						?	+																																		
Aniline	-	-		-*	-*										-	+			+	+	+																													
Arsenic, trivalent	-*	-		+	+										-	+																																		
Arsenic, pentavalent	-	-		+											-*	-	?																																	
Asbestos		-													-*	?		+	+	+	+	+																												
Attapulgit															-*	?																																		
Auramine	+	+		+	+	+									+		+																																	
Azathioprine		+			+	+									+																																			
Benzal chloride	+	+																																																
Benzene	+	+		+	+	+		+		+	?	-*			+	+																																		
Benzidine	-*	+		+	+	+		+		?					+	?	+																																	
Benzotrichloride	+	+																																																
Benzoyl chloride	-*	-*																																																
Benzyl chloride	+	+		+	+	-									+	+	+																																	
Beryllium and beryllium compounds	?			-*											-	?	+	+																																
N,N-Bis(2-chloroethyl)-2-naphthyl- amine (Chlornaphazine)	+														+	+																																		
Bischloroethyl nitrosourea (BCNU)	+	+		+											+	+	+																																	
Bis(chloromethyl)ether		+																																																
Bleomycins	+	+		+	+				+	+	+	+	+	+	+	?	+																																	
1,3-Butadiene		+																																																
1,4-Butanediol dimethanesulphonate (Myleran)		+													+	+																																		

