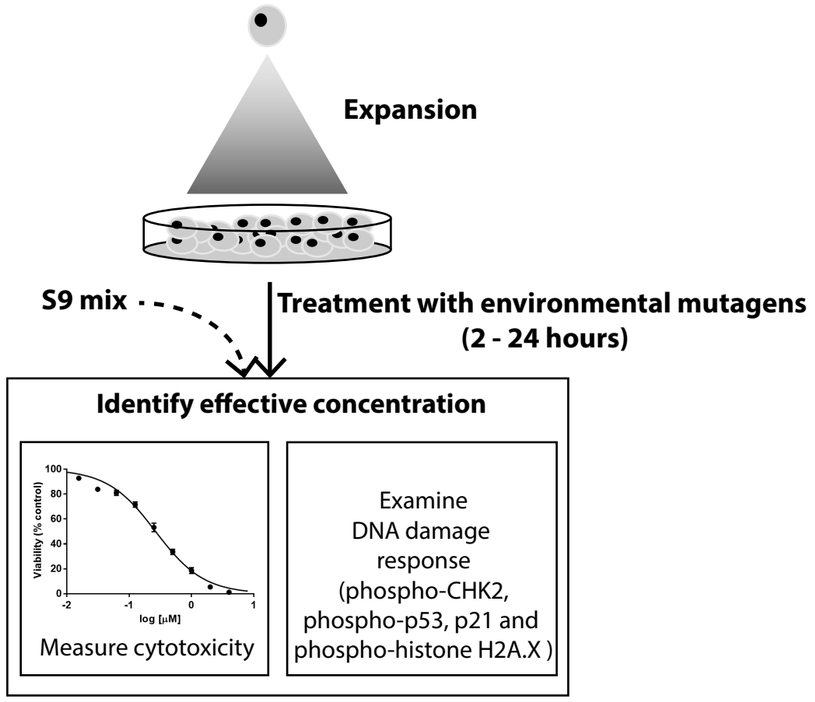
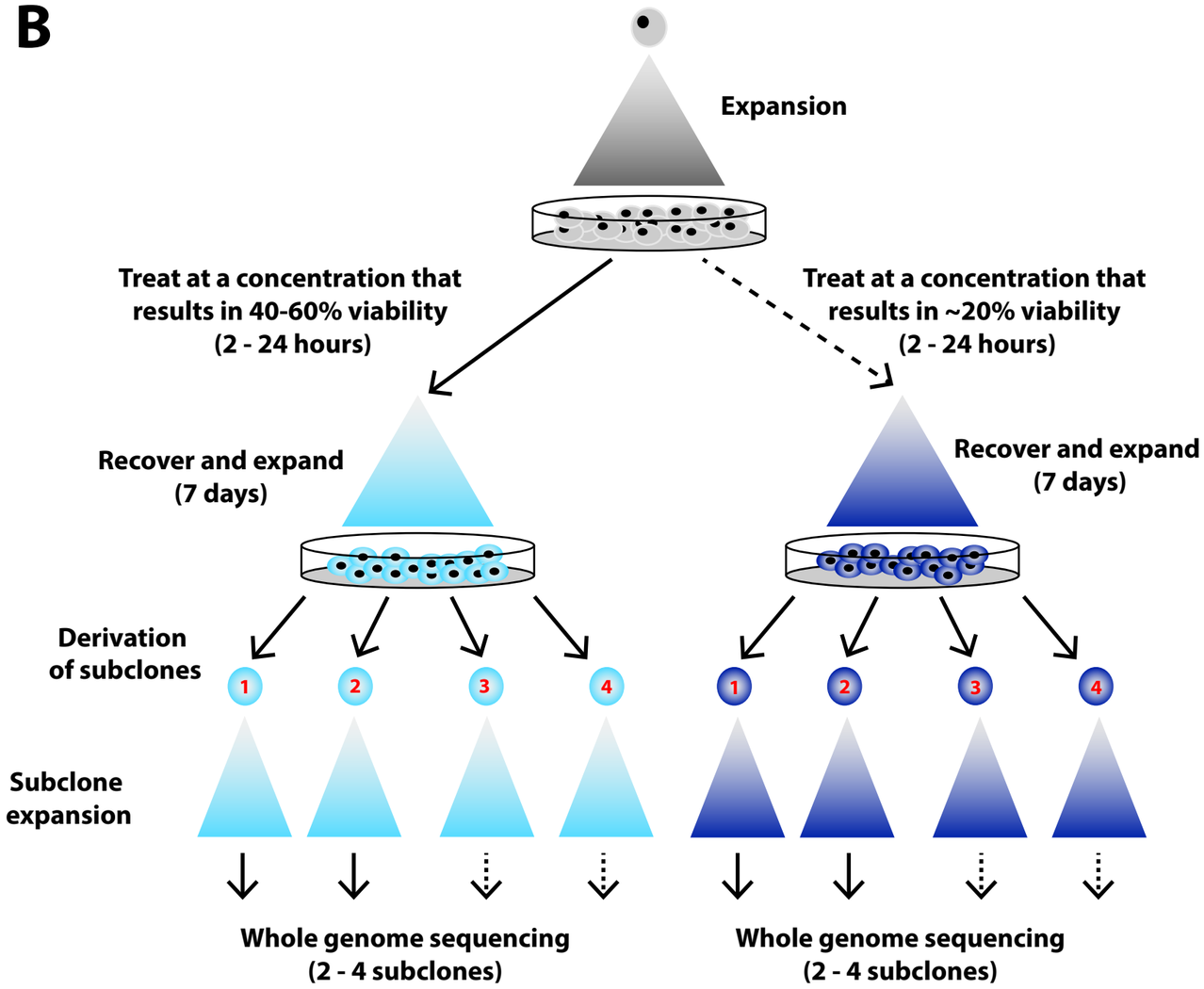
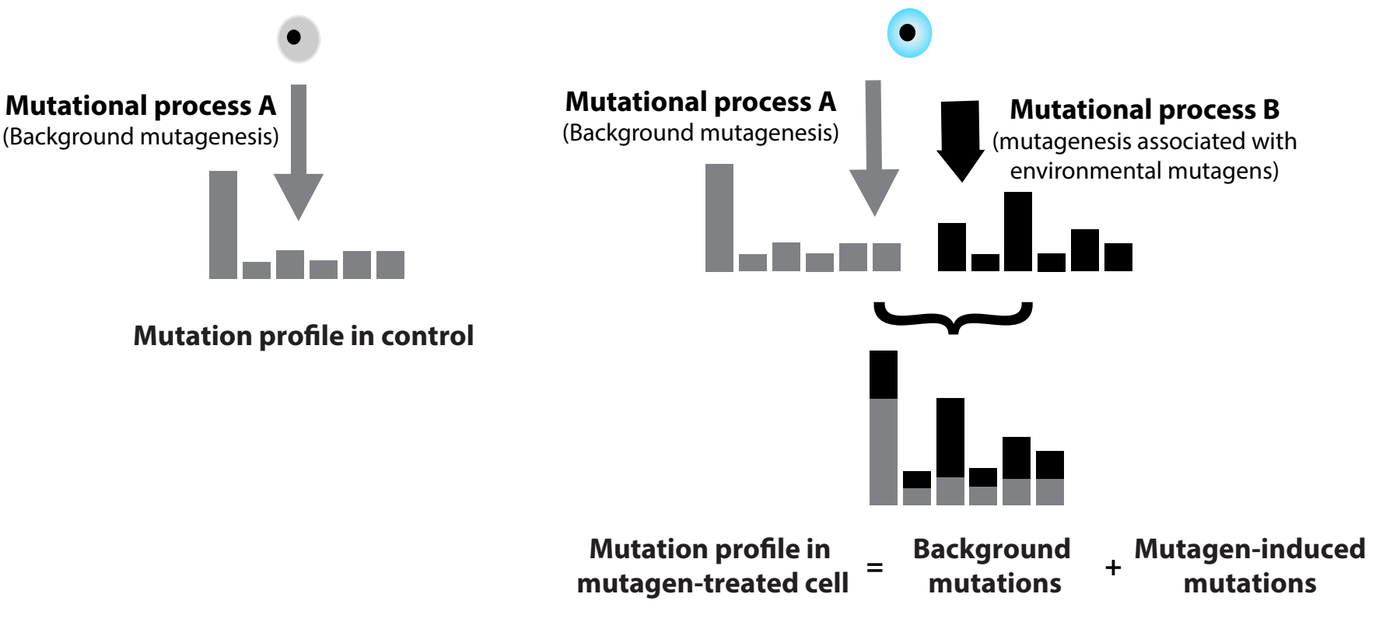
A



B



C



D

Group	Treatment	Concentration	S9 mix
Aldehydes	Acetaldehyde	0.9 mM; 12 mM	No
	Formaldehyde	85.5 μM; 120 μM	No
Alkylating Agents	1,2-Dimethylhydrazine (1,2-DMH)	9 mM	No
		11.6 mM	Yes
	Diethyl sulfate (DES)	0.938 mM	No
	Dimethyl sulfate (DMS)	0.078 mM	No
	N-Ethyl-N-nitrosourea (ENU)	400 μM	No
	Methyl methanesulfonate (MMS)	100 μM	No
	N-Methyl-N'-nitro-nitrosoguanidine (MNNG)	0.75 μM	No
	N-Methyl-N-nitrosourea (MNU)	350 μM	No
Drug Therapy	Bleomycin	0.188 μM	No
	Carboplatin	5 μM	No
	Cisplatin	3.125 μM; 12.5 μM	No
	Camptothecin	0.0063 μM	No
	Cyclophosphamide	18.75 μM; 60 μM	Yes
	Ellipticine	0.125 μM; 0.25 μM	No
		0.375 μM; 0.625 μM	Yes
	Etoposide	0.0188 μM	No
	Mechlorethamine (nitrogen mustard)	0.3 μM	No
	Melphalan	1.5 μM	No
	Mitomycin C	0.313 μM	No
	Olaparib	0.625 μM	No
	Semustine (methyl-CCNU)	150 μM	No
		700 μM	Yes
	Temozolomide	200 μM (2)	No
DNA Damage Response Inhibitors	AZ20 (ATR inhibitor)	0.9375 μM	No
	AZD7762 (CHK inhibitor)	1.625 μM	No
Aromatic Amines	2-Naphthylamine	200 μM	No
		200 μM (hamster S9); 400 μM (rat S9)	Yes
	2,6-Dimethylaniline	3.8 mM	No
		11 mM	Yes
	4-Aminobiphenyl (4-ABP)	40 μM; 300 μM	Yes
	Benzidine	200 μM	No
		900 μM	Yes
	4,4'-Methylene(2-chloroaniline) (MOCA)	5 μM	No
		37.5 μM	Yes
	o-Anisidine	0.85 mM	No
		6 mM	Yes
	o-Toluidine	14 mM	Yes
Heterocyclic Amines	2-amino-3-methylimidazo[4,5-f]quinoline (IQ)	450 μM	No
	2-amino-3-methyl-9H-pyrido[2,3-b]indole (MeAaC)	70 μM	No
	2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQX)	300 μM	No
	2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP)	3 μM; 4 μM	Yes
Radiation	Gamma irradiation	2 Gray	No
	Simulated solar radiation (SSR)	1.25 J	No
Nitrosamine	N-Nitrosopyrrolidine	50 mM	No
PAHs	5-Methylchrysene	1.6 μM	Yes
	Benzo[a]pyrene (BaP)	0.39 μM; 2 μM	Yes
	Benzo[a]pyrene diol-epoxide (BPDE)	0.125 μM	No
	Dibenz[a,h]anthracene (DBA)	75 μM	Yes
	Dibenz(a,j)acridine (DBAC)	5 μM	Yes
	Dibenz[a,h]anthracene diol-epoxide (DBADE)	0.0313 μM; 0.109 μM	No
	7H-Dibenzo[c,g]carbazole (DBC)	1.5 μM	No
		3.5 μM	Yes
	Dibenzo[a,l]pyrene (DBP)	0.0039 μM	No
		0.0313 μM	Yes
	Dibenzo[a,l]pyrene diol-epoxide (DBPDE)	0.000156 μM; 0.000625 μM	No
Nitro-PAHs	1-Nitropyrene	1.75 μM; 2.5 μM	Yes
	1,6-Dinitropyrene (1,6-DNP)	0.09 μM	No
	1,8-Dinitropyrene (1,8-DNP)	0.125 μM; 8 μM	No
	2-Nitrofluorene	10 μM; 40 μM	No
	2-Nitrotoluene	4.6 mM	Yes
	3-Nitrobenzanthrone (3-NBA)	0.025 μM; 0.1 μM	No
	6-Nitrochrysene	0.78 μM; 50 μM	No
		12.5 μM; 50 μM	Yes
ROS/NOS	Hydrogen peroxide (H_2O_2)	24.5 μM	No
	Peroxynitrite	30 μM	No
	Potassium bromate	260 μM; 875 μM	No
Metal Salts	Sodium (meta) arsenite	2 μM	No
	Cadmium chloride	2.5 μM	No
	Cobalt (II) chloride	250 μM	No
	Lead (II) acetate	75 μM	No
	Lead (II) nitrate	88 μM	No
	Nickel (II) chloride	300 μM; 412.5 μM	No
	Potassium chromate	7.5 μM	No
Others	Acrylamide	9.5 mM	Yes
	Aristolochic acid I (AAI)	1.25 μM	No
	Aristolochic acid II (AAII)	37.5 μM	No
	Acrolein	5 μM	No
	Aflatoxin B1 (AFB1)	0.25 μM	Yes
	Catechol	5.5 μM	No
	Furan	100 mM	Yes
	Glycidamide	475 μM	No
	Methyleugenol	1.25 mM	No
		1.9 mM	Yes
	3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone (MX)	2.5 μM	No
		7 μM	Yes
	Ochratoxin A (OTA)	0.08 μM	Yes
	1,4-Benzoquinone	5 μM	No
	Propylene oxide	10 mM	No
	Styrene oxide	75 μM	No
	Sudan I	20 μM	Yes
Controls	Media Control	N/A (2)	No
	H_2O Control	0.1% (2)	No
	DMSO Control	0.1%; 0.68%	No
	Methanol Control	1.30%	No
	Sodium chloride Control	0.003%	No
	Rat S9 mix / Media Control	N/A	Yes
	Rat S9 mix / DMSO Control	0.1% (2); 0.35%; 0.5%	Yes
	Rat S9 mix / Methanol Control	4.30%	Yes
	Hamster S9 mix / DMSO Control	0.50%	Yes