Supplementary Materials

Thermal Reduction of Graphene Oxide Mitigates Its In Vivo Genotoxicity Toward *Xenopus laevis* Tadpoles

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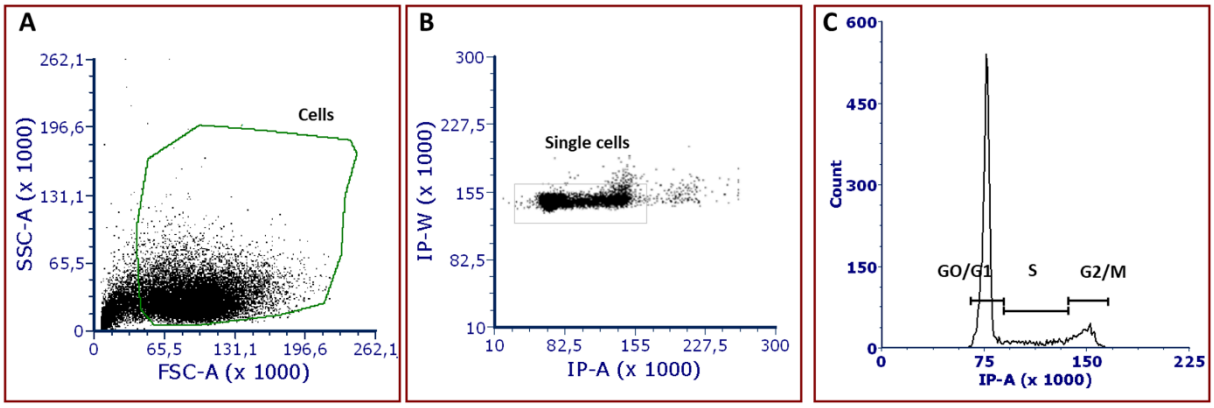

Figure 1. Gating strategy used in flow cytometry for analysis of erythrocyte cell cycle of Xenopus laevis tadpoles. Cells were gated to exclude debris (**A**). Single cells were gated using width and area parameters of IP fluorescence (**B**). Analysis of cells in G0/G1, S or G2/M phase was performed (**C**).

Table S1. Accession numbers, functions and primer pairs (aUpstream primer; bForward primer) for the 25 X. laevis genes studied.

Functions	Genes	Accession number	Primer (5′-3′)
Oxidative stress response			
	gpx1	NM_001095427	CTACCTGACCCTCCCCAAAC[a] TTACCAACACCTGCCCTCA[b]
	cat	EF070606	GAGCAAGCGGAGAGATTCAA[a] AGCACCAGTTTACCCACAGG[b]
	sod(Cu/Zn)	X51518	GTGTGCTGGCGGGAAG[a] CCGGGGCTCCGTGATT[b]
	sod(Mn)	AY362041	TGTCAGTTGGAGTCCAGGG[a] AGTTGATAACATTCCAGATCGCTTT[b]
Inflammation processes	*pparγ*	M84163	AAAGACGGGGTGCTCGTAG[a] TGAAGTCGGAGAAGGGTTTG[b]
	cox1	AB278691	GGATGGGACGGGGTTTCATT TCCTGCCCTACTGCGAATTG
	cox2	NM_001093477	GGCCATGGGGTTGATCTCAA[a] CTGGAACATGGGGTGGGTAC[b]
	lta4	NM_001091767	TTGTTACCCCAACTGTGCTG[a] GTTTTCCCAGGTTTCATTCG[b]
	5-lox	BG656985	AGTCAGCACGCAGTTGTGAA[a] ACACAACTCCAAGGTGCCAG[b]
DNA repair	*rad51*	BC108486	TCAAGAAACTGGAGGACGCC[a] CGCCTCTGGTGAAACTCAGT[b]
	mut	BE681219	TATGAGGACTGAGAAAACAGAAGCA[a] AGTTACAAACACTTGGAGCTGAT[b]
	odc	NM_001086698	TCAGGAGAGCGGAATGGA[a] GGTCCCAAGGCTAAAGTTGC[b]
Detoxification	*cyp1a1*	NM_001097072	TGCTGAATGTTTCCTGGGAGT[a] CCCCTTGCACTTTTGGTTCC[b]
	tap	AY204551	TTGCTGTCGGTGGGGC[a] CAGTGTTGATTCGGTGGG[b]
	gst	AJ489617	CGTCCTCACCTATTTCCCCG[a] CCTGAAACTGAGGCAGCTGA[b]
References	gapdh	NM_001087098	ACCCAGAAGACAGTGGATGG[a] CAGTTGAGGCGGGAATAATG[b]
	B actin	BE490926	ATTGAGCCACCAATCCAGG[a] ACAAGTGTTGGAATGTGCG[b]