

**Additional file 1: Spearman's correlation analyses between xenoestrogenic serum activities and the level of CB153 and *p,p'*-DDE.**

	Greenland			Warsaw			Sweden			Kharkiv		
	<i>n</i>	<i>r<sub>s</sub></i>	<i>p</i>	<i>n</i>	<i>r<sub>s</sub></i>	<i>p</i>	<i>n</i>	<i>r<sub>s</sub></i>	<i>p</i>	<i>n</i>	<i>r<sub>s</sub></i>	<i>p</i>
<b>CB153</b>												
XER	70	-.22	.07	98	.02	.89	98	.007	.95	82	.13	.26
XER-EEQ*	-	-	-	21	<b>-.45</b>	<b>.04</b>	10	.07	.86	11	-.15	.67
XERcomp	68	.15	.21	94	.07	.50	92	-.13	.21	82	.03	.81
<b><i>p,p'</i>-DDE</b>												
XER	70	<b>-.29</b>	<b>.02</b>	98	<b>.21</b>	<b>.04</b>	98	-.04	.72	82	-.09	.42
XER-EEQ*	-	-	-	21	-.13	.57	10	.12	.75	11	-.09	.79
XERcomp	68	.11	.37	94	.13	.21	92	-.18	.08	82	.02	.85
CB153/DDE <sup>1</sup>	70	<b>.94</b>	<b>&lt;.001</b>	98	<b>.28</b>	<b>&lt;.01</b>	98	<b>.75</b>	<b>&lt;.001</b>	82	<b>.45</b>	<b>&lt;.001</b>

ln-transformed and POP lipid adjusted data was used. For definition of XER, XERcomp and XER-EEQ see legend to Table 2. Statistical significant data is given in bold. <sup>1</sup>: Spearman's inter-correlation between CB-153 and *p,p'*-DDE, respectively