

Supplemental 1. Statistical analysis of CHO-hERG conductance data

Potassium step conductance		Cesium step conductance		Potassium tail conductance		Cesium tail conductance	
Desipramine (40 mV)		Desipramine (10 mV)		Desipramine (40 mV)		Desipramine (40 mV)	
control vs. 1	0.0028	control vs. 1	>0,9999	control vs. 1	0.5144	control vs. 1	0.9989
control vs. 10	0.0004	control vs. 10	0.9732	control vs. 10	<0,0001	control vs. 10	0.3648
control vs. 100	0.0014	control vs. 30	0.9928	control vs. 100	<0,0001	control vs. 30	0.0008
control vs. 1000	0.6911	control vs. 100	0.0494	control vs. 1000	<0,0001	control vs. 100	<0,0001
Dofetilide (40 mV)		Dofetilide (10 mV)		Dofetilide (40 mV)		Dofetilide (40 mV)	
control vs. 0.3	0.3124	control vs. 0.3	0.9737	control vs. 0.3	<0,0001	control vs. 0.3	<0,0001
control vs. 1	0.0744	control vs. 1	0.099	control vs. 1	<0,0001	control vs. 1	<0,0001
control vs. 3	0.0326	control vs. 3	0.0002	control vs. 3	<0,0001	control vs. 3	<0,0001
control vs. 10	0.0124	control vs. 10	<0,0001	control vs. 10	<0,0001	control vs. 10	<0,0001
LUF7244 (10 mV)		LUF7244 (10 mV)		LUF7244 (40 mV)		LUF7244 (40 mV)	
control vs. 1	0.2002	control vs. 1	0.0007	control vs. 1	0.1957	control vs. 1	<0,0001
control vs. 3	<0,0001	control vs. 3	<0,0001	control vs. 3	<0,0001	control vs. 3	<0,0001
control vs. 10	<0,0001	control vs. 10	<0,0001	control vs. 10	<0,0001	control vs. 10	<0,0001
control vs. 30	<0,0001	control vs. 30	<0,0001	control vs. 30	<0,0001	control vs. 30	<0,0001
Moxifloxacin (40 mV)		Moxifloxacin (10 mV)		Moxifloxacin (40 mV)		Moxifloxacin (40 mV)	
control vs. 10	0.4525	control vs. 10	0.0611	control vs. 10	0.6896	control vs. 10	0.3351
control vs. 30	0.059	control vs. 30	0.995	control vs. 30	0.0743	control vs. 30	0.7205
control vs. 100	0.058	control vs. 100	0.3884	control vs. 100	0.0003	control vs. 100	0.0513
control vs. 300	0.0274	control vs. 300	0.0003	control vs. 300	<0,0001	control vs. 300	<0,0001

Statistical analysis outcome of the 2-way ANOVA comparing the different concentrations of different compounds with the control measurement. The comparison has been executed for the highest conductance (membrane potential between brackets behind the compound name). Values highlighted in yellow represent the concentration significantly different from control ($p < 0.05$).