

S3 Table. The raw data of adenylate cyclase activities from 22 healthy volunteers and 11 VT patients at rest time by adrenaline (AD) and isoproterenol (IP).

NMS (VT) n=11																		
Rest time	S010	S011	S020	S018	S022	S025	S027	S028	S030	S033	S038	Ave.	SD	T-test				
Adrenaline 1mM	1000000	0.487138	0.750893	0.586864	0.701958	0.672472						0.639865						
Adrenaline 100uM	100000	0.684176	0.827716	0.60253	0.572592	0.748171	0.650868	0.567394	0.742349	0.653562	0.704688	0.431794	0.653258	0.107929	0.004697			
Adrenaline 10uM	10000	0.676036	0.696738	0.619195	0.462099	0.617245	0.380325	0.333458	0.29156	0.364902	0.546487	0.202504	0.471868	0.168761	0.031894			
Adrenaline 1uM	1000	0.2505	0.46025	0.355847	0.25945	0.452598	0.17769	0.07432	0.023519	0.250302	0.206664	0.11138	0.238411	0.14267	0.150876			
Adrenaline 100nM	100	0.014842	0.035339	0.071953	0.021223	0.0233457							0.033363					
Adrenaline 10nM	10	0.002706	0.012973	0.020693	0.019091	-0.00712							0.009668					
Adrenaline 1nM	1	0.000192	0.021921	0.022942	-0.02117	-0.01712							0.001353					

Healthy n=22																										
Rest time	c11	c12	c15	c18	c19-1	c21	c22	c27	C31	C32	C34	C36-1	C37-1	C38-1	C40-1	C41-1	C44	C45	C46-1	C48	C51	C53	Ave.	SD		
Adrenaline 1mM	1000000	0.665778	0.709712	0.605874	0.679459	0.66414	0.648605	0.659015	0.627572	0.619857	0.598856	0.643871	0.521069	0.636478	0.680594	0.698643	0.653925	0.595107	0.618414	0.642209	0.560823			0.6365	0.045584	
Adrenaline 100uM	100000	0.382489	0.684619	0.517828	0.671012	0.483418	0.488458	0.535409	0.266942	0.689506	0.358322	0.529993	0.761974	0.473305	0.506677	0.504345	0.458885	0.500938	0.618381	0.585582	0.470625	0.61892	0.675834	0.535612	0.119677	
Adrenaline 10uM	10000	0.180688	0.493032	0.450436	0.620559	0.333002	0.222251	0.275791	0.114208	0.485896	0.247573	0.446659	0.648401	0.318276	0.261932	0.259273	0.111025	0.34603	0.394816	0.283347	0.371972	0.416767	0.504962	0.35395	0.14584	
Adrenaline 1uM	1000	0.107534	0.320296	0.283733	0.474591	0.154205	0.096315	0.210773	0.091961	0.238154	0.078	0.264956	0.276602	0.127793	0.113756	0.127035	0.073354	0.170153	0.155721	0.139345	0.174706	0.209908	0.233382	0.187385	0.096448	
Adrenaline 100nM	100	0.00513	0.032779	0.096791	0.072024	-0.01772	0.045393	0.006167	-0.0068	0.020975	0.043213	0.056215	0.004949	0.000302	-0.00944	0.049311	0.044332	0.020905	-0.00616	0.014158	0.027011			0.024977	0.029931	
Adrenaline 10nM	10	0.000772	0.038757	0.064506	0.007085	-0.00368	0.001048	0.027036	0.006591	-0.02026	0.019966	0.033297	-0.01609	-0.00296	0.035078	0.047313	0.020914	0.004542	-0.01043	0.003003	0.027658			0.014208	0.022315	
Adrenaline 1nM	1	0.019697	-0.00545	0.036996	-1.2E-05	0.030544	-0.00934	0.036254	-0.00643	-0.02535	0.009534	0.027782	-0.03253	-0.01143	0.011143	0.010164	0.008347	-0.00524	-0.02445	0.006562	-0.01318			0.00318	0.020253	

NMS (VT) n=11																		
Rest time	S010	S011	S020	S018	S022	S025	S027	S028	S030	S033	S038	Ave.	SD	T-test				
Isoproterenol 5mM	5000000	0.568767	0.702749	0.628075	0.718965	0.686357						0.660983						
Isoproterenol 500uM	500000	0.586099	0.835331	0.559142	0.661661	0.695396						0.667526						
Isoproterenol 50uM	50000	0.733721	0.769463	0.621584	0.492343	0.732965	0.420591	0.570836	0.438792	0.457682	0.632723	0.293867	0.560415	0.152698	0.023311			
Isoproterenol 5uM	5000	0.621524	0.738501	0.595527	0.451198	0.652359	0.340368	0.346525	0.266383	0.396637	0.544286	0.220749	0.470369	0.170573	0.048316			
Isoproterenol 500nM	500	0.296127	0.533742	0.48135	0.366337	0.559745	0.290534	0.063594	0.172424	0.259442	0.396763	0.168341	0.326218	0.158884	0.079686			
Isoproterenol 50nM	50	-0.02922	0.057122	0.090342	0.113573	0.073349							0.061062					
Isoproterenol 5nM	5	-0.0404	-0.02934	0.061009	0.0196	-0.0191							-0.00165					

Healthy n=22																										
Rest time	c11	c12	c15	c18	c19-1	c21	c22	c27	C31	C32	C34	C36-1	C37-1	C38-1	C40-1	C41-1	C44	C45	C46-1	C48	C51	C53	Ave.	SD		
Isoproterenol 5mM	5000000	0.669095	0.703023	0.623355	0.690352	0.673022	0.699203	0.708399	0.675712	0.69715	0.710542	0.703129	0.575502	0.66463	0.695884	0.692927	0.678168	0.611632	0.652262	0.66928	0.586175			0.67333	0.035948	
Isoproterenol 500uM	500000	0.608009	0.757064	0.566149	0.687068	0.681287	0.630683	0.681743	0.517073	0.69555	0.681416	0.736972	0.685033	0.545955	0.627609	0.598349	0.549981	0.537974	0.685699	0.621838	0.53584			0.636603	0.070205	
Isoproterenol 50uM	50000	0.288006	0.546953	0.487765	0.651297	0.468436	0.3163	0.428554	0.180695	0.616843	0.362266	0.492994	0.765834	0.441879	0.351528	0.339658	0.216537	0.430339	0.513744	0.363962	0.444081	0.45709	0.590449	0.443419	0.140251	
Isoproterenol 5uM	5000	0.188182	0.496038	0.440036	0.658714	0.327386	0.204281	0.262864	0.12156	0.490538	0.277363	0.4665	0.640779	0.356776	0.255737	0.26817	0.113567	0.362864	0.43042	0.274708	0.409016	0.436873	0.527037	0.364064	0.150783	
Isoproterenol 500nM	500	0.123776	0.362219	0.331471	0.52107	0.203149	0.135653	0.22689	0.093842	0.329655	0.167712	0.343476	0.358901	0.149965	0.193664	0.172408	0.10231	0.212486	0.276707	0.196201	0.247488	0.295521	0.395715	0.247285	0.109484	
Isoproterenol 50nM	50	0.037773	0.07921	0.117023	0.071785	-0.02106	0.045873	0.008457	0.01532	0.021355	0.018697	0.050615	-0.00447	-0.03872	0.05684	0.102597	0.030603	-0.00243	0.001456	0.010148	0.04824			0.031635	0.040878	
Isoproterenol 5nM	5	0.010342	0.007737	0.026485	0.008271	-0.0284	0.023353	-0.01194	-0.02223	-0.01318	-0.04152	-0.00162	-0.02807	-0.02625	-0.04086	-0.00476	0.021786	-0.0364	-0.05255	-0.00086	-0.02629			-0.01109	0.023829	