

**Supplementary Table 1. The numerical analysis of all cells and positive cells.**

	iNap1-Cyt				SoNar-Cyt		
	Positive	All Events	Positive Percentage (%)		Positive	All Events	Positive Percentage (%)
<b>Resting</b>	835	50000	1.67	<b>Resting</b>	7884	100000	7.88
	835	50000	1.67		7730	100000	7.73
	754	50000	1.51		8211	100000	8.21
<b>Activated</b>	1683	50000	3.37		4076	100000	4.08
	1490	50000	2.98	<b>Activated</b>	2760	100000	2.76
	1613	50000	3.23		1777	68052	2.61
					3853	96427	4.00
					3089	100000	3.09
	roGFPI-Cyt				HyPer-Cyt		
	Positive	All Events	Positive Percentage (%)		Positive	All Events	Positive Percentage (%)
<b>Resting</b>	2278	100000	2.28	<b>Resting</b>	1025	100000	1.03
	2245	100000	2.25		976	100000	0.98
	2221	100000	2.22		999	100000	1.00
	681	50000	1.36		5817	100000	5.82
<b>Activated</b>	1282	100000	1.28		5748	100000	5.75
	1542	100000	1.54		5670	100000	5.67
	1479	100000	1.48		6098	100000	6.10
	481	50000	0.96	<b>Activated</b>	1372	100000	1.37
					1407	100000	1.41
					1336	100000	1.34
					5441	100000	5.44
					5072	100000	5.07
					4640	100000	4.64
					5090	100000	5.09
	iNap3-Mit				Frex-Mit		
	Positive	All Events	Positive Percentage (%)		Positive	All Events	Positive Percentage (%)
<b>Resting</b>	2700	100000	2.70	<b>Resting</b>	716	100000	0.72
	3100	100000	3.10		818	100000	0.82
	2610	100000	2.61		496	100000	0.50
	3083	100000	3.08		890	100000	0.89
<b>Activated</b>	3134	89984	3.48		700	100000	0.70
	3142	97811	3.21	<b>Activated</b>	1220	49739	2.45
	3120	77246	4.04		1617	64015	2.53
	3116	88844	3.51		1071	77915	1.37
					1129	60665	1.86

					1150	82274	1.40
	roGFP1-Mit				HyPer-Mit		
	Positive	All Events	Positive Percentage (%)		Positive	All Events	Positive Percentage (%)
Resting	7671	88182	8.70	Resting	2547	95385	2.67
	6557	61765	10.62		2383	91044	2.62
	6170	63818	9.67		2122	71043	2.99
	6608	60780	10.87		3249	100000	3.25
Activated	5098	77811	6.55		3493	100000	3.49
	5334	83305	6.40	Activated	3104	70306	4.41
	5223	86465	6.04		2374	57691	4.12
	5253	91349	5.75		2629	70957	3.71
					3147	100000	3.15
					2932	100000	2.93
	iNapc-Cyt				cpYFP-Cyt		
	Positive	All Events	Positive Percentage (%)		Positive	All Events	Positive Percentage (%)
Resting	703	50000	1.41	Resting	4428	100000	4.43
	750	50000	1.50		4457	100000	4.46
	738	50000	1.48		4446	100000	4.45
	2925	100000	2.93		4450	100000	4.45
Activated	1263	50000	2.53	Activated	3232	100000	3.23
	1217	50000	2.43		3627	100000	3.63
	1346	50000	2.69		3426	100000	3.43
	1772	100000	1.77		3436	100000	3.44
	iNapc-Mit				cpYFP-Mit		
	Positive	All Events	Positive Percentage (%)		Positive	All Events	Positive Percentage (%)
Resting	2019	100000	2.02	Resting	2101	98159	2.14
	2042	100000	2.04		1769	91440	1.93
	2001	100000	2.00		2046	92747	2.21
	2046	100000	2.05		1859	86712	2.14
Activated	2324	100000	2.32		1927	100000	1.93
	1938	100000	1.94	Activated	2009	87981	2.28
	2336	81963	2.85		1811	94156	1.92
	1937	93250	2.08		1981	79906	2.48
					1953	90729	2.15
					1399	80750	1.73

**Note :** Quantitative data for cytosolic or mitochondrial sensor fluorescence were obtained from three or more independent assessments by flow cytometry.