

**Table S3.** ER calcium measurements (Indo 1:  $\lambda$  excitation= 331nm;  $\lambda$  emission= 410 nm – Fluorimeter analysis).

ER				
Sample	F (min)	F (Peak)	F (max)	[Ca <sup>2+</sup> ] ER
dHL60 NG (n=1)	288,8916667	655,4	1347	0,132485661
dHL60 NG (n=2)	215,3	748,1	1268	0,256203116
dHL60 NG (n=3)	198,6691667	707,5	1287	0,21951287
dHL60 NG (n=4)	218,9583333	787,5	1357	0,249579309
dHL60 NG (n=5)	153,7358333	579,7	1014	0,24520157
dHL60 MN (n=1)	267	889	1642	0,206507304
dHL60 MN (n=2)	255,3083333	933,3	1571	0,265795698
dHL60 MN (n=3)	209,35	807,8	1366	0,268026693
dHL60 MN (n=4)	208,0433333	897,8	1525	0,274934896
dHL60 MN (n=5)	212,1916667	718,6	1399	0,186070081
dHL60 HG (n=1)	285,0416667	865,2	1809	0,153676185
dHL60 HG (n=2)	209,1916667	782	1308	0,272247307
dHL60 HG (n=3)	199,5666667	715,8	1209	0,261675453
dHL60 HG (n=4)	203,3258333	783	1419	0,227859342
dHL60 HG (n=5)	164,8608333	585,1	1098	0,204834844

ER	dHL60 NG	dHL60 MN	dHL60 HG
	0,132485661	0,206507304	0,153676185
	0,256203116	0,265795698	0,272247307
	0,21951287	0,268026693	0,261675453
	0,249579309	0,274934896	0,227859342
	0,24520157	0,186070081	0,204834844
<b>Average</b>	0,220596505	0,240266934	0,224058626
<b>STDEV</b>	0,0511809	0,040930432	0,047631035
<b>Error</b>	0,022888794	0,018304646	0,021301246

ER [Ca<sup>2+</sup>] was calculated using the following formula as previously reported in MacDougall et al., 1988 [33]:

$$[\text{Ca}^{2+}]_{\text{ER}} = 250 \text{ nM } (F - F_{\text{min}}) / (F_{\text{max}} - F) * 0,001$$