

Table S1

Calculation of conditional probability of TMRE Hi cells being Nos2 Hi, using varying thresholds in Bayes' theorem

Treatment	Nos2 Hi/TMRE Hi cell number	Nos2 Lo/TMRE Lo cell number	Nos2 Lo/TMRE Hi cell number	Nos2 hi/TMRE lo cell number	Total cells
Untreated	2	20	139	42	203
IFNy + LPS	22	316	93	47	478
<i>Actual Probability (cells counted)</i>					
	P(Nos2 Hi/TMRE Hi)	P(Nos2 Lo/TMRE Lo)	P(Nos2 Lo/TMRE Hi)	P(Nos2 Hi/TMRE Lo)	
	(Nos2 Hi/TMRE Hi cells) /total cells	(Nos2 Lo/TMRE Lo cells) /total cells	(Nos2 Lo/TMRE Hi cells) /total cells	(Nos2 hi/TMRE Lo cells) /total cells	
Untreated	0.009852217	0.098522167	0.684729064	0.206896552	
IFNy + LPS	0.046025105	0.661087866	0.194560669	0.09832636	
<i>Independent Probability (calculated)</i>					
	P(Nos2 Hi)	P(TMRE Hi)	P(Nos2Hi)*P(TMRE Hi)		
	(Nos2Hi/TMREHi+Nos2Hi/TMRELo)/total cells	(TMREHi/Nos2Hi+TMREHi/Nos2lo) /total cells			
Untreated	0.216748768	0.694581281	0.150549637		
IFNy + LPS	0.144351464	0.240585774	0.034728909		
<i>Conditional probability (calculated from actual and independent probability)</i>					
	P(TMRE-Hi Nos2-Hi)	P(Nos2-Hi TMRE-Hi)			
	$\frac{P(Nos2 Hi_TMREHi)}{P(Nos2Hi)}$	$\frac{P(Nos2 Hi_TMREHi)}{P(TMREHi)}$			
Untreated	0.045454545	0.014184397			
IFNy + LPS	0.31884058	0.191304348			