

Supplemental Table 1: Computer-based simulation for the prediction of the S-states ratios and the occupancy ratio Q_B/Q_B^-

		WT				$\Delta p_{sb}T_c$			
No of flashes		Data	S1	S2	S3	Data	S1	S2	S3
	1	6.7	6.7	6.7	6.7	8.9	8.82	8.9	8.9
	2	8.9	8.9	8.95	8.95	7.9	7.92	7.9	7.9
	3	5.9	5.9	5.9	5.9	5.3	5.3	5.3	5.3
	4	5.2	5.2	5.2	5.2	4.4	4.4	4.4	4.4
	5	6.9	6.9	6.9	6.9	8.3	8.3	8.3	8.3
	6	8.1	6.85	8.9	8.9	6.8	6.51	6.8	6.8
Correlation coefficients			0.927936	0.84254	1		0.997765	0.997765	1
Q_B/Q_B^- ratio			1.35	0.9	0.9		2.07	1.68	1.68