



Conditions	peak amplitude (pA)	integration time (ms)	TPDE (ms)
Ames (n=15)	0.98 ± 0.02	330 ± 20	320 ± 10
L15/Locke's (n=12)	0.27 ± 0.03	230 ± 10	230 ± 30

Figure S1: Experimental conditions affect the dim-flash response of wild-type rod photoreceptors. The black trace shows the average single-photon response of 11 wild-type mouse rods recorded at 37°C while the cells were perfused with bicarbonate-buffered Ames medium. Retina was stored in bicarbonate-buffered Ames at 32°C medium prior to recording. The red trace shows the average dim-flash response from 15 cells recorded at 37°C in Locke's medium. These cells were stored at 4°C in Leibowitz's L-15 medium prior to recording.