

TABLE 1. Quantitative details of GFP diffusion coefficient versus osmotic upshift for B-strain cells

Δ (milliosmolar) ^a	Cells lacking VPSs		Cells having VPS(s)	
	$\langle D \rangle \pm \sigma_D^b$ ($\mu\text{m}^2 \text{s}^{-1}$)	Range of D ($\mu\text{m}^2 \text{s}^{-1}$)	$\langle D \rangle \pm \sigma_D^b$ ($\mu\text{m}^2 \text{s}^{-1}$)	Range of D ($\mu\text{m}^2 \text{s}^{-1}$)
0 \pm 5	6.1 \pm 2.4 ($n = 39$) ^c	1.7–10.7		
162 \pm 5	6.8 \pm 1.0 ($n = 3$)	5.8–7.7		
283 \pm 5	5.3 \pm 1.9 ($n = 14$)	0.52–7.7	1.3 \pm 1.5 ($n = 16$)	0.15–5.6
392 \pm 5			0.94 \pm 0.55 ($n = 17$)	0.38–2.5
440 \pm 5			0.32 \pm 0.50 ($n = 26$)	0.0042–2.0
532 \pm 5			0.12 \pm 0.10 ($n = 4$)	0.023–0.26
701 \pm 5			0.014 \pm 0.021 ($n = 4$)	1.2×10^{-4} –0.045

^a Uncertainty of ± 5 milliosmolar due to variations in solution preparation; measurement uncertainty of ± 3 milliosmolar.

^b Standard deviation of single measurements.

^c The number of individual cells measured is given in parentheses.