

Table 4. Comparison of the dimensions of hippocampal CA1 dendritic spines with cerebellar dendritic spines

Feature	Animal 2, medians (ranges)		Animal 3, medians (ranges)	
	CA1 (<i>n</i> = 27)	Cereb (<i>n</i> = 25)	CA1 (<i>n</i> = 43)	Cereb (<i>n</i> = 39)
Synaptic PSD area (μm^2)	0.061 (0.013–0.24)	0.084 (0.039–0.36)	0.039 (0.009–0.54)	0.145 (0.065–0.35)
Spine volume (μm^3)	0.037 (0.019–0.14)	0.11 (0.059–0.14)	0.032 (0.004–0.56)	0.13 (0.062–0.18)
Head	0.036 (0.013–0.13)	0.087 (0.042–0.12)	0.024 (0.003–0.55)	0.11 (0.054–0.17)
Neck	0.008 (0.001–0.04)	0.018 (0.007–0.09)	0.006 (0.0004–0.02)	0.015 (0.002–0.03)
Spine surface area (μm^2)	0.72 (0.33–1.50)	1.17 (0.77–1.62)	0.57 (0.13–4.38)	1.17 (0.69–1.52)
Head	0.57 (0.21–1.26)	0.89 (0.47–1.11)	0.37 (0.11–4.24)	0.95 (0.57–1.25)
Neck	0.17 (0.040–0.42)	0.29 (0.13–1.16)	0.13 (0.021–0.56)	0.24 (0.054–0.44)
Axonal varicosity (μm^3)	0.11 (0.039–0.26)	0.24 (0.038–0.60)	0.11 (0.005–0.76)	0.20 (0.050–0.55)
Vesicle number	196 (70–524)	373 (38–821)	159 (3–1895)	551 (187–1234)
Spine length (μm)	0.92 (0.36–2.19)	1.22 (0.91–2.61)	0.78 (0.25–2.14)	1.17 (0.72–1.69)
Head	0.52 (0.27–1.39)	0.55 (0.43–0.608)	0.42 (0.22–1.89)	0.59 (0.47–0.68)
Neck	0.30 (0.09–1.67)	0.68 (0.37–2.18)	0.32 (0.08–1.06)	0.59 (0.12–1.11)
Neck diameter (μm)	0.16 (0.08–0.46)	0.20 (0.13–0.28)	0.12 (0.04–0.26)	0.19 (0.10–0.27)

CA1, dendritic spines from hippocampal CA1 pyramidal cells; Cereb, dendritic spines from cerebellar Purkinje spine branchlets (Harris and Stevens, 1988b); other abbreviations as in Table 1.