

TABLE 3. Mossy Cell Axon Length in Regions of the Hippocampus and Strata of the Ipsilateral Dentate Gyrus¹

	Cell 1	Cell 2	Cell 3
Superior blade	44,454 (46.5)	37,497 (50.1)	42,019 (57.4)
Subgranular hilus	6,684 (7.2)	6,462 (8.6)	7,819 (10.7)
Granule cell layer	6,032 (6.3)	2,596 (3.5)	2,568 (3.5)
Molecular layer	31,538 (33.0)	28,439 (38.0)	31,632 (43.2)
Inner one-third	30,479 (31.9)	27,622 (36.9)	30,299 (41.4)
Middle one-third	1,059 (1.1)	717 (1.0)	1,189 (1.6)
Outer one-third	0 (0.0)	0 (0.0)	144 (0.2)
Inferior blade	33,422 (35.0)	23,734 (31.7)	16,595 (22.7)
Subgranular hilus	4,018 (4.2)	4,989 (6.7)	4,073 (5.6)
Granule cell layer	2,547 (2.7)	2,167 (2.9)	1,971 (2.7)
Molecular layer	26,857 (28.1)	16,578 (22.2)	10,551 (14.4)
Inner one-third	23,550 (24.6)	14,797 (1.98)	8,721 (11.9)
Middle one-third	3,269 (3.4)	1,781 (2.4)	1,830 (2.5)
Outer one-third	38 (0.0)	0 (0.0)	0 (0.0)
Superior and inferior blades	77,876 (81.5)	61,231 (81.9)	58,614 (80.0)
Subgranular hilus	10,902 (11.4)	11,451 (15.3)	11,892 (16.2)
Granule cell layer	8,579 (9.0)	4,763 (6.4)	4,539 (6.2)
Molecular layer	58,395 (61.1)	45,017 (60.2)	42,183 (57.6)
Inner one-third	54,029 (56.5)	42,419 (56.7)	39,020 (53.3)
Middle one-third	4,328 (4.5)	2,498 (3.3)	3,019 (4.1)
Outer one-third	38 (0.0)	0 (0.0)	144 (0.2)
Central hilus	11,104 (11.6)	8,248 (11.0)	8,210 (11.2)
Central and subgranular hilus	22,006 (23.0)	16,699 (26.3)	20,102 (27.4)
Primary axon	3,372 (3.5)	3,247 (4.3)	2,845 (3.9)
CA3	3,215 (3.4)	2,161 (2.9)	1,390 (1.9)
CA1	0 (0.0)	0 (0.0)	2,194 (3.0)
Total	95,566	74,786	73,224

¹Values represent length (in μm , not adjusted for shrinkage and for two-dimensional representation) and percent of total axon in parentheses.