

TABLE 1 Location of synaptic release sites made by inhibitory cells on simultaneously recorded postsynaptic principal cells

Presynaptic inhibitory neuron	Type	Location of release sites on a synaptically coupled postsynaptic cell				Overall random synaptic target pattern				
		Soma	Dendrite	Axon	Total	Soma	Dendrite	Spine	Axon	Total
1. Basket cell, CA1 (Fig. 1)	Pyramidal cell	5	5	0	10	19 (44%)	24 (56%)	0	0	43
2. Basket cell, CA1,	Pyramidal cell	5	7	0	12	15 (45%)	18 (55%)	0	0	33
3. Bistratified cell, CA1 (Fig. 2)	Pyramidal cell	0	6*	0	6*	4 (3 + 8%)†	27 (78%)	4 (11%)	0	35
4. Axo-axonic cell, DG (Fig. 3)	Granule cell	0	0	8	8	0	0	0	33 (100%)	33
Pooled data (incl. 1–4)						Soma	Dendrite and spine		Axon	Total
Basket cells (n = 8)	Pyramidal cells					79 (50.6%)	73 (46.8%)		4 (2.6%)	156
Bistratified cells (n = 2)	Pyramidal cells					4 (2 + 6%)†	45 (92%)		0 (0%)	49
Axo-axonic cells (n = 4)	3 p.c., 1 g.c.‡					6 (7%)	2 (2.5%)		76 (90.5%)	84

* Light microscopic estimate, three confirmed with EM.

† One on a pyramidal cell, three on a GABA-positive cell.

‡ p.c., pyramidal cell; g.c., granule cell.