

**Table 1. Identification and characterization of *in vivo* recorded nonpyramidal projection neurons**

Cell no. and type	Soma	Dendrites	Hippocampal axon	Extrahippocampal targets		Immunocytochemical test											
				Retrohippo-campal area	Septum	PV	CB	CR	SOM	NPY	CCK	VIP	NOS	M2R	mGluR 1 $\alpha$	mGluR 8a input	mGluR 7a input
T87c double-projection	CA1so	CA1so	CA1so, sp, sr	+, b.s. <sup>a</sup>	+	—	+	—	+	—	—	—	n.t.	—	+	—	+
C25a double-projection	CA1so	CA1so	CA1so, sp, sr	+	+	—	+	—	+	+	n.t.	—	n.t.	—	+	—	—
D150 double-projection <sup>b</sup>	CA1so	CA1so	CA1so, sp, sr	+ <sup>c</sup>	+ <sup>c</sup>	n.t.	n.t.	n.t.	+	—	n.t.	n.t.	n.t.	n.t.	—	n.t.	—
P13c double-projection	CA1so	CA1so	CA1so, sp, sr	+	+	+	+	—	+	—	—	n.t.	—	+	—	—	—
T80a oriens-retrohippocampal	CA1so	CA1so	CA1so, sp, sr	+, b.s.	—	n.t.	+	—	n.t.	n.t.	n.t.	n.t.	n.t.	+	—	—	—
K98c oriens-retrohippocampal	CA1so	CA1so	CA1so, sp, sr	+	—	—	+	n.t.	+	—	n.t.	n.t.	—	n.t.	—	—	—
T85a oriens-retrohippocampal <sup>d</sup>	CA1so	CA1so	CA1so, sp, sr	+	—	—	—	—	—	—	n.t.	n.t.	n.t.	+	—	+	+
T74b radiatum-retrohippocampal	CA1sr	CA1sr/slm	CA1sr, slm	+, b.s.	—	—	—	—	—	n.t.	—	n.t.	—	n.t.	—	n.t.	n.t.
T100c radiatum-retrohippocampal	CA1sr/slm	CA1sr/slm	CA1sr, slm	b.s.	—	—	—	—	—	n.t.	—	—	n.t.	n.t.	n.t.	n.t.	—
C11c double-projection	CA3sp	CA3so, sp, sr	CA1sp, sr CA3so,sp, sr	+	+	—	—	n.t.	+	+	—	n.t.	n.t.	—	+	n.t.	—