

Table S2. E –types vs. multiple parameters of PCs and synaptic connections

	n	E1	E2	E3	E1 + E3'	P			Statistics
						E1 vs. E2	E3 vs. E2	E1 vs. E3	
SA increment/baseline		45%	10%	33%	–	0.0009	0.05	0.25	two-tailed test
PTP increment/baseline		14.9%	2.7%	1.2%	–	0.001	0.76	0.0131	two-tailed test
						<u>E1 vs. E2</u>	<u>E3 vs. E2</u>	<u>E1 + E3' vs. E2</u>	
Reciprocal rate		68% (43/63)	23% (12/52)	63% (15/24)	66% (58/87)	1.4 x 10 ⁻⁶	0.0008	6.6 x 10 ⁻⁷	chi-square test
sPC	11	18% (2/11)	82% (9/11)	–	–	0.003	–	–	chi-square test
cPC	101	31% (31/101)	36% (36/101)	23% (23/101)	54% (54/101)	0.45	0.04	0.01	chi-square test
AC-PC	48	29% (14/48)	60% (29/48)	11% (5/48)	40% (19/48)	0.002	3.0x10 ⁻⁷	0.04	chi-square test
NAC-PC	80	38% (30/80)	36% (29/80)	26% (21/80)	64% (51/80)	0.87	0.17	0.0005	chi-square test

NB 1: 'SA increment' was evaluated only by the amplitudes of the initial EPSPs following tetanus.

NB 2: For the different types of PCs, both pre- and postsynaptic cells were included.