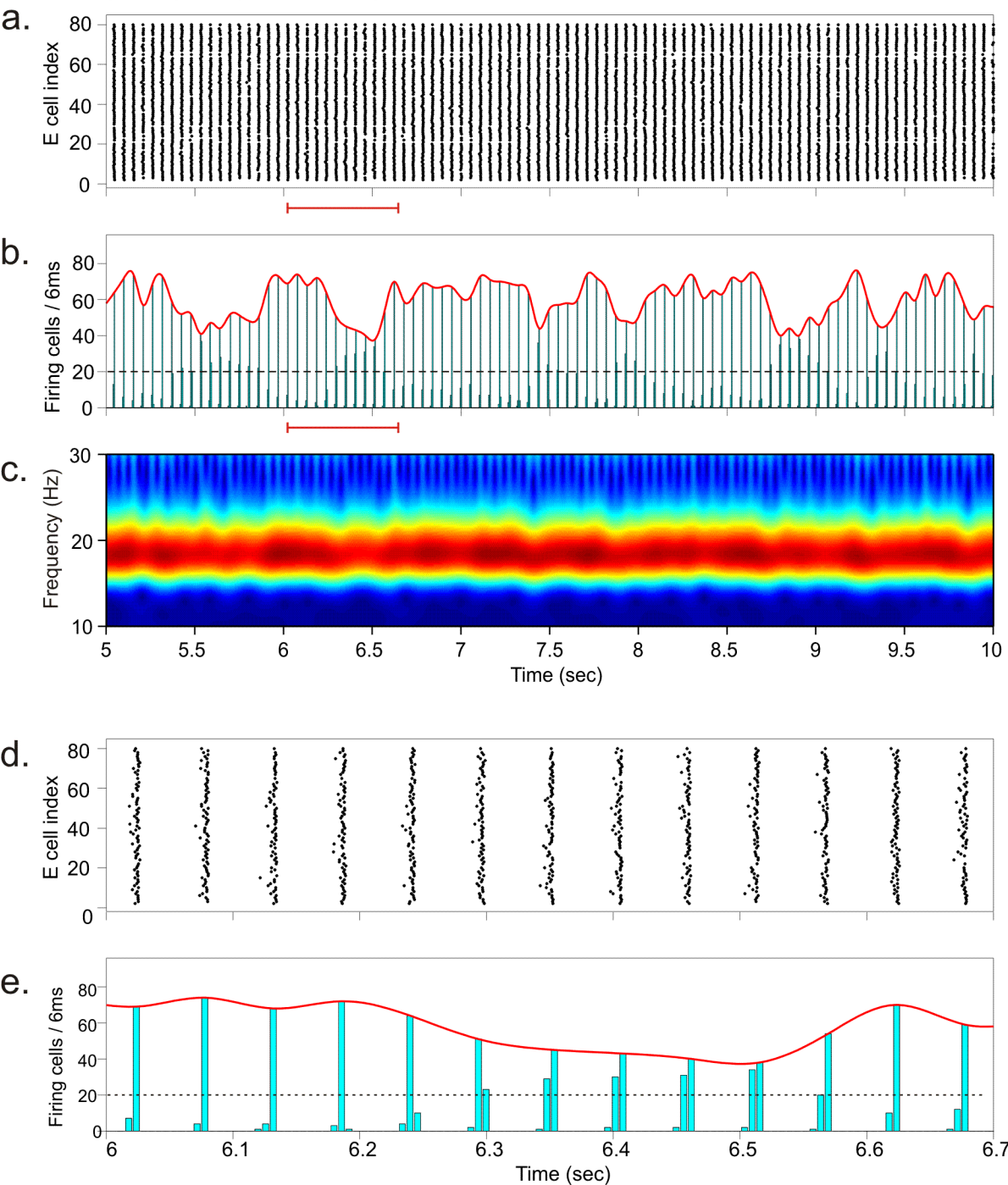
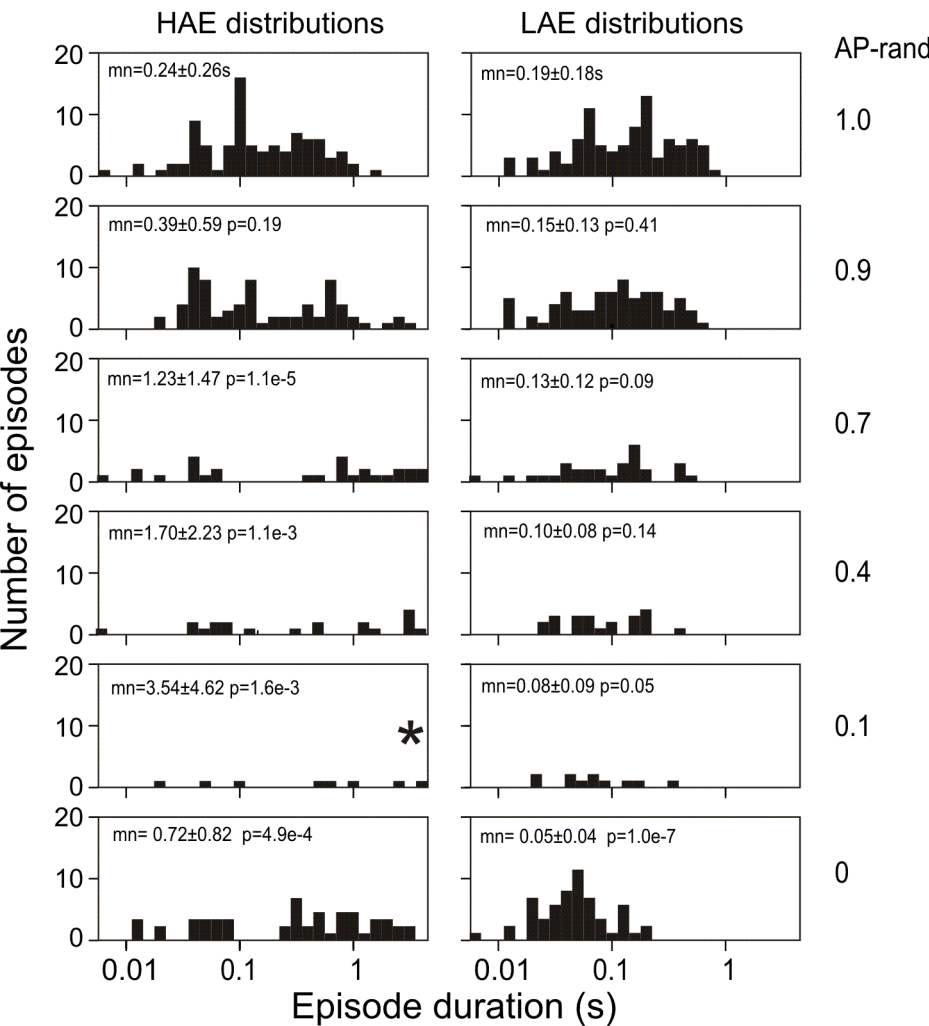


(CDC) I + (CDC + AP) E

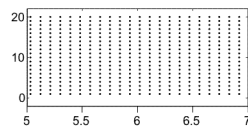
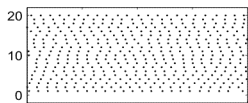
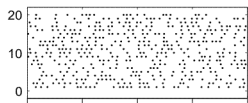
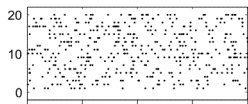


Excitatory population

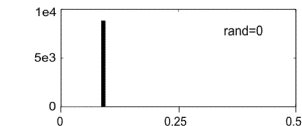
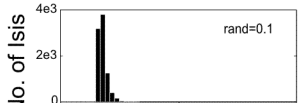
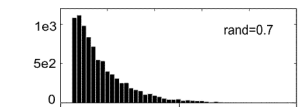
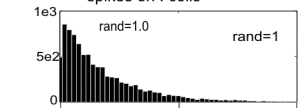


In phase

External spikes on I cells

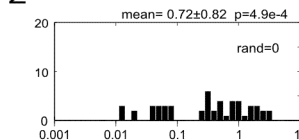
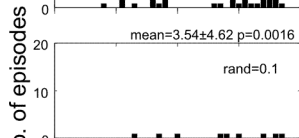
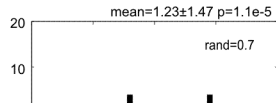
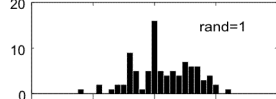


Distribution of external spikes on I cells

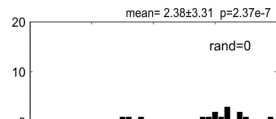
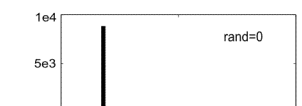
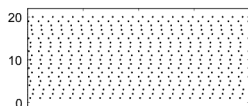


HAE E population

mean=0.24±0.26



Out of phase

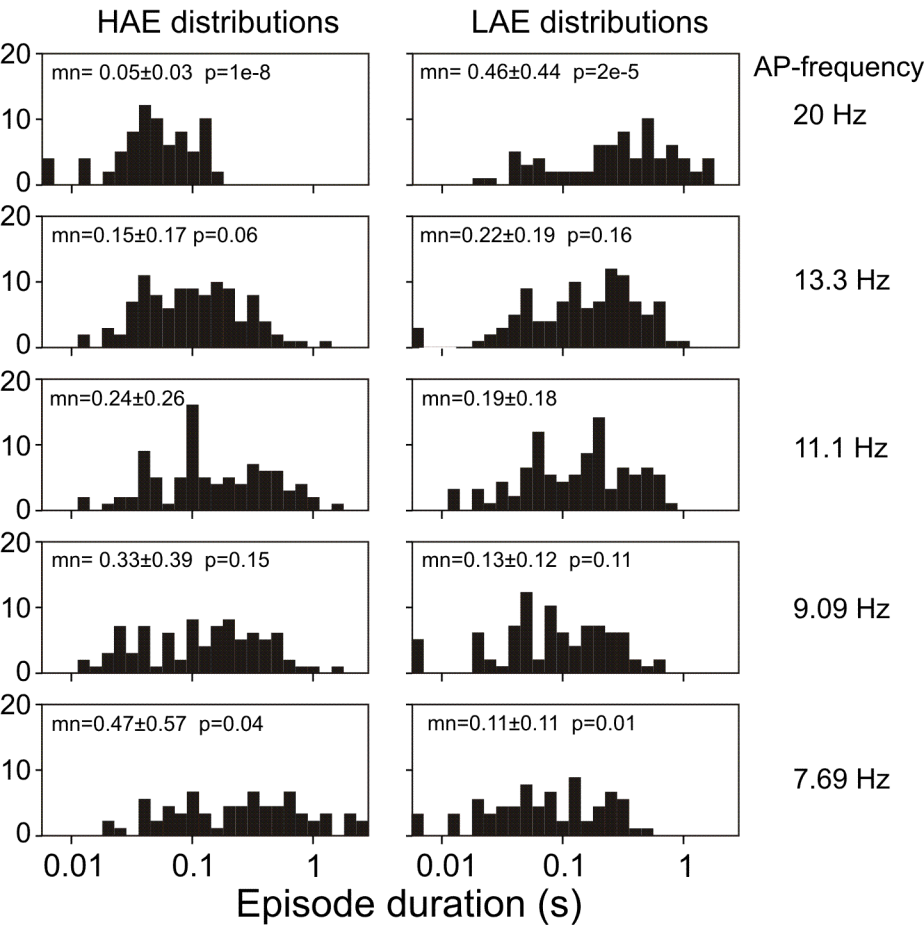


time (s)

Isi duration (s)

duration (s)

Excitatory population



PFC area/ oscill. type	Oscillation frequency (Hz)	Mean HAE (ms)	Median HAE (ms)	CDC factor	IPSC decay (ms)	AP frequency (Hz)
PrL/slow	Exp: 11.2±0.5	284	200	--	--	--
	Model: 11.39	408	240	0.52	14	4.54
PrL/fast	Exp: 16.6±1.0	192	150	--	--	--
	Model: 16.3	189	114	0.87	11	10.53
IL/slow	Exp: 10.6±0.5	476	325	--	--	--
	Model: 10.42	366.6	228	0.55	16	2.63
IL/fast	Exp: 14.7±0.7	381.41	250	--	--	--
	Model: 14.81	396.7	204	0.9	12.5	7.14