

**Links between central CB1-receptor availability and peripheral endocannabinoids in patients with first episode psychosis**

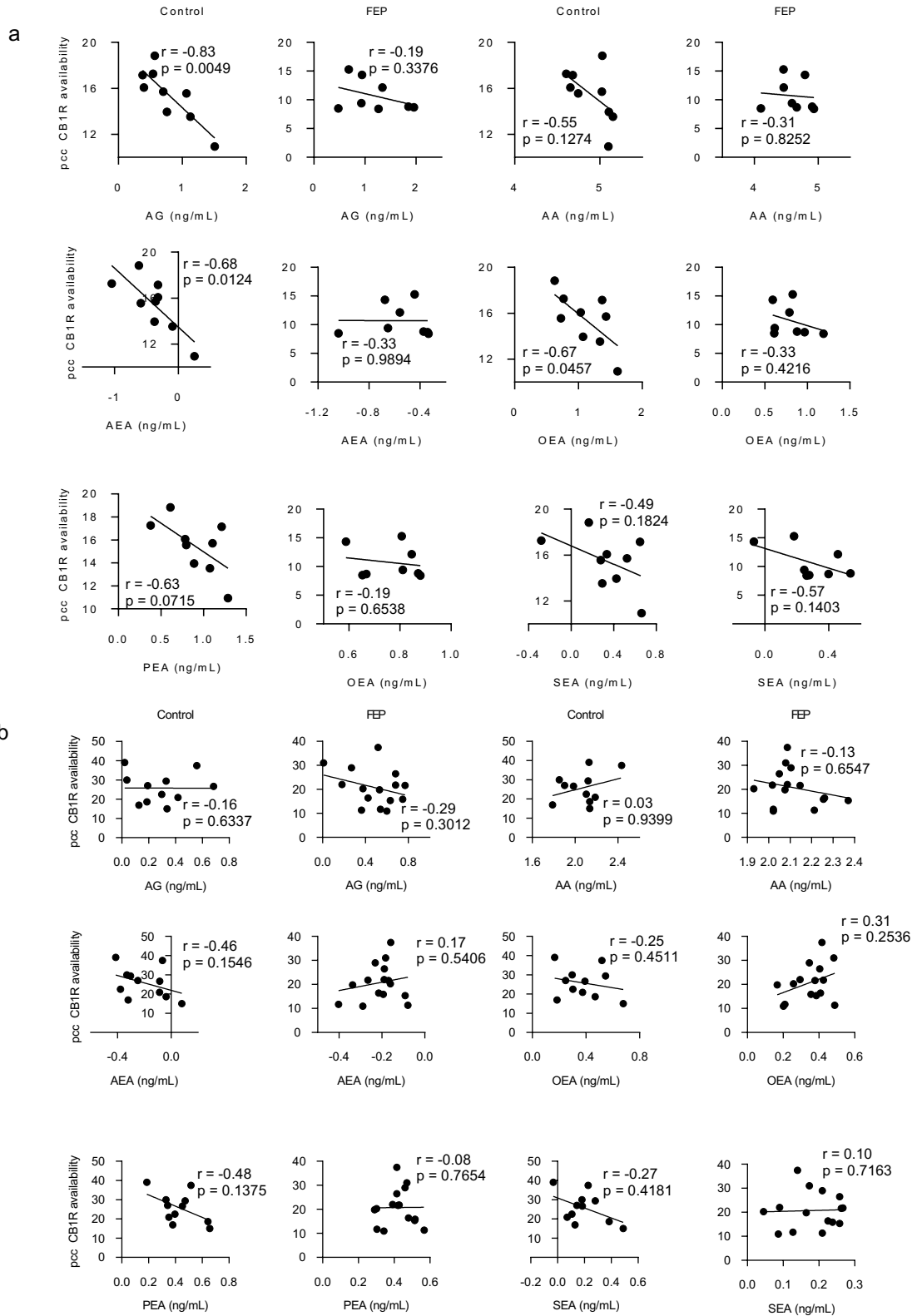
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***Supplementary Material***

**Supplementary Table 1.** Tandem MS analysis of endocannabinoids. Information on quantification and selective reaction monitoring (SRM) transitions for identification.

Compound	Ionization	Ion Type	Retention		SRM (amu)	CE (eV)
			Time	Internal Standard		
THC-COOH	Negative	Quantifier	1.23	THC-COOH d9	343.400 → 245.100	-32
THC-COOH	Negative	Qualifier	1.23	THC-COOH d9	343.400 → 299.000	-32
PEA	Positive	Quantifier	3.13	AEA-d8	300.400 → 62.100	19
PEA	Positive	Qualifier	3.13	AEA-d8	300.400 → 283.100	19
1-AG	Positive	Quantifier	3.24	2-AG d5	379.300 → 287.300	21
1-AG	Positive	Qualifier	3.24	2-AG d5	379.300 → 203.200	21
2-AG	Positive	Quantifier	2.97	2-AG d5	379.300 → 287.300	21
2-AG	Positive	Qualifier	2.97	2-AG d5	379.300 → 203.200	21
2-AGe*	Positive	Quantifier	3.23	2-AG d5	365.400 → 273.200	20
2-AGe*	Positive	Qualifier	3.23	2-AG d5	365.400 → 121.000	20
NADA*	Positive	Quantifier	2.69	NADA d8	440.300 → 137.100	30
NADA*	Positive	Qualifier	2.69	NADA d8	440.300 → 154.100	30
AEA	Positive	Quantifier	2.26	AEA-d8	348.300 → 62.100	32
AEA	Positive	Qualifier	2.26	AEA-d8	348.300 → 133.100	32
OEA	Positive	Quantifier	3.61	AEA-d8	326.300 → 62.100	20
OEA	Positive	Qualifier	3.61	AEA-d8	326.300 → 309.300	20
AA	Negative	Quantifier	4.48	AA-d8	303.300 → 259.100	-20
AA	Negative	Qualifier	4.48	AA-d8	303.300 → 58.900	-20
SEA	Positive	Quantifier	5.92	AEA-d8	328.400 → 62.100	23
SEA	Positive	Qualifier	5.92	AEA-d8	328.400 → 311.400	23

\*Analyte below limit of detection in study samples.



**Supplementary Figure 1.** CB1R availability in the posterior cingulate cortex (PCC) versus the circulating levels of endocannabinoids in Turku and London cohorts.

**(a)** Scatter plots fitted with a linear regression model of CB1R availability in the posterior cingulate cortex (PCC) versus the log-transformed circulating levels of endocannabinoids from the Turku cohort. **(b)** Scatter plots fitted with a linear regression model of CB1R availability in the posterior cingulate cortex (PCC) versus the log-transformed circulating levels of endocannabinoids from the London cohort. The line shows the linear model for each dataset.