

Supplemental Table 2: miRNA profiling in rodent models

Study	Outcome	Species	Genetic background	Number of animals	Exposure
Izzotti ²²	Exposure to CS at 438 mg/m ³ TPM (1 day) results in differential expression of 32 miRNAs, most are downregulated compared to sham	Mouse	Swiss ICR (CD-1)	75 newborn mice and seven dams, divided into 7 groups	1) sham 2) CS, TPM 119 mg/m ³ (1 day) 3) CS, TPM 292 mg/m ³ (1 day) 4) CS, TPM 438 mg/m ³ (1 day) 5) CS, TPM 438 mg/m ³ (1 week) 6) CS, TPM 438 mg/m ³ (4 weeks) 7) CS, TPM 631 mg/m ³ (lethal)
Izzotti ²⁵	2-fold downregulation of 126 miRNAs (26%), a.o. let-7c, miR-34c and miR-34b and upregulation of 7 miRNAs (1.4%) after ECS exposure	Rat	Sprague-Dawley	16 rats, divided into 2 groups	1) sham 2) CS, 28 days
Izzotti ²⁶	Differential expression of 15 miRNAs after exposure to ECS or to ECS + light compared with either sham or light exposure, a.o. downregulation of miR-34b	Mouse	Swiss CD-1 albino	10 postweanling mice (5 males and 5 females) and 7 dams 10 postweanling mice (5 males and 5 females) and 7 dams 10 postweanling mice (5 males and 5 females) and 5 dams 10 postweanling mice (5 males and 5 females) and 5 dams	1) sham 2) ECS 3) light 4) ECS + light

(E)CS= (environmental) cigarette smoke, TPM= total particulate matter, a.o.= amongst others