

Supplemental Digital Content 3. miRNAs significantly regulated by propofol and sevoflurane. baseMean: mean miRNA expression; log2FC: log2 fold change; *: miRNA exclusively regulated by either anesthetic agent.

Regulation	miRNA	baseMean	Log2FC	Adjusted p-value
Propofol down	miR-106a-5p*	67.91	-1.55	8.98E-03
	miR-96-5p*	51.96	-1.51	4.18E-04
	miR-15a-5p*	121.77	-1.45	1.95E-05
	miR-144-5p*	395.48	-1.34	1.59E-04
	miR-652-3p*	253.18	-1.21	1.47E-03
	miR-19b-3p*	412.83	-1.21	1.65E-03
	miR-15b-3p*	202.01	-1.18	9.68E-06
	miR-103a-3p*	2129.20	-1.14	9.23E-04
	miR-16-5p*	3861.74	-1.10	1.36E-04
	miR-501-3p*	580.79	-1.08	1.09E-04
	miR-7-5p*	2610.65	-1.06	1.57E-06
	miR-17-5p*	491.99	-1.04	3.48E-03
	miR-185-5p*	21576.49	-1.03	2.95E-03
	miR-363-3p*	4662.80	-1.02	1.49E-04
	miR-598-3p*	54.91	-1.00	8.98E-03
miR-23a-3p*	2314.70	-1.00	1.75E-02	
Propofol up	miR-100-5p	6149.47	1.07	1.78E-03
	miR-582-3p*	826.73	1.07	3.43E-03
	miR-499a-5p*	347.89	1.08	1.03E-03
	let-7b-3p*	238.90	1.08	8.98E-03
	miR-328-3p	1343.19	1.09	6.93E-03
	miR-30a-3p*	625.75	1.11	1.68E-05
	miR-27b-3p*	16969.53	1.15	7.77E-05
	miR-7706*	261.90	1.17	2.44E-02
	miR-511-5p	776.97	1.18	2.95E-06
	miR-200b-3p	264.40	1.18	9.27E-03
	miR-224-5p	513.03	1.22	1.18E-05
	miR-195-5p	66.86	1.25	9.23E-04
	miR-485-5p*	152.11	1.26	9.26E-04
	miR-200a-3p	749.13	1.28	1.03E-03
	miR-574-3p	81.30	1.28	1.80E-04
	miR-483-5p*	101.04	1.30	3.55E-03
	miR-125b-2-3p*	58.73	1.32	1.20E-03
	miR-4433b-3p*	521.45	1.37	4.82E-03
	let-7c-5p*	1600.31	1.39	1.99E-04
	miR-193b-5p*	122.32	1.41	2.06E-04
	miR-429*	77.00	1.43	4.65E-03
	miR-24-1-5p	60.05	1.45	1.79E-03
	miR-214-5p	96.97	1.51	1.29E-04
	miR-204-5p*	57.70	1.55	1.47E-03
	miR-145-3p	2117.50	1.56	1.07E-10
	miR-10b-5p	47390.16	1.56	6.44E-07
	miR-125b-5p	2874.62	1.67	2.70E-11
miR-452-5p	123.03	1.67	2.37E-04	
miR-708-3p	130.99	1.69	8.41E-05	
miR-574-5p*	68.30	1.73	3.53E-03	
miR-10a-5p	27750.33	1.77	2.21E-06	

	miR-455-5p	126.06	1.80	1.26E-08
	miR-1228-5p*	241.73	1.80	2.80E-03
	miR-99a-5p	79018.01	1.84	1.26E-10
	miR-143-3p	53241.13	1.87	6.04E-12
	miR-125a-5p	4720.89	1.99	1.81E-06
	miR-3168*	1268.45	2.06	1.22E-02
	miR-195-3p	234.71	2.06	8.86E-11
	miR-214-3p	85.40	2.11	1.81E-06
	miR-204-3p*	58.93	2.13	1.42E-03
	miR-95-3p	294.91	2.19	7.28E-17
	miR-615-3p	290.09	2.47	1.07E-10
	miR-218-5p	266.38	2.60	1.89E-18
	miR-205-5p*	51.95	2.80	3.36E-04
	miR-34c-5p	164.80	3.21	3.27E-04
	miR-133a-3p	77.58	3.37	4.01E-06
	miR-206*	2312.18	3.57	1.27E-20
	miR-1-3p	10562.97	3.76	2.66E-20
Sevoflurane down	miR-1246*	410.41	-1.36	3.73E-08
	miR-200a-3p	365.64	1.02	6.88E-06
	miR-335-5p*	242.73	1.02	9.82E-07
	miR-100-5p	8715.36	1.03	1.46E-07
	miR-328-3p	1364.78	1.04	8.17E-04
	miR-511-5p	867.11	1.08	6.88E-06
	miR-23b-5p*	56.85	1.14	6.74E-03
	miR-214-3p	62.86	1.14	8.33E-03
	miR-224-5p	681.88	1.16	3.17E-07
	miR-10a-3p*	69.29	1.17	2.22E-04
	miR-145-3p	2540.74	1.22	1.50E-05
	miR-143-3p	46228.59	1.24	1.40E-06
	miR-10b-5p	52056.88	1.26	1.90E-04
	miR-24-1-5p	58.57	1.28	1.12E-04
	miR-335-3p*	196.16	1.31	2.04E-04
	miR-99a-5p	87774.75	1.37	9.82E-07
	miR-200b-3p	144.30	1.39	9.82E-07
	miR-214-5p	106.55	1.39	6.88E-06
	miR-125b-5p	4014.62	1.41	4.98E-06
	miR-195-5p	71.19	1.43	1.17E-05
	miR-455-5p	92.88	1.43	2.07E-04
	miR-574-3p	74.78	1.46	1.40E-06
	miR-708-3p	108.35	1.60	6.13E-07
	miR-195-3p	169.68	1.64	5.17E-05
	miR-125a-5p	5665.01	1.66	1.15E-04
	miR-10a-5p	31882.60	1.79	4.06E-08
	miR-95-3p	331.10	1.93	6.25E-09
	miR-452-5p	210.52	1.96	4.79E-16
	miR-218-5p	256.02	2.49	5.22E-21
	miR-615-3p	270.49	2.56	1.11E-07
	miR-133a-3p	150.36	2.58	5.96E-07
	miR-34c-5p	196.74	2.72	6.17E-05
	miR-1-3p	11474.68	2.98	5.86E-05
Sevoflurane up				