



b Up regulated Clusters

	Normoxia TPM	Hypoxia TPM
miR-382-3p	3.3	10.5
miR-154-5p	8.6	20.4
miR-376c-3p	26.2	63.4
miR-323a-3p	6.2	12.9
miR-655-3p	5.9	15.2
miR-134	25.3	40.1
miR-132-5p	2.1	7.2
miR-132-3p	27.3	56.1
miR-212-3p	2.6	4.9
miR-221-3p	3093.0	4656.8
miR-221-5p	1.4	4.8
miR-222-3p	99.5	162.3
miR-143-3p	164.3	375.2
miR-145-5p	7.5	15.2
miR-183-5p	15.5	48.1
miR-182-5p	960.7	1904.2
miR-96-5p	7.3	10.8
miR-497-5p	9.7	27.8
miR-195-5p	23.0	40.3
miR-542-3p	6.4	13.3
miR-450a-5p	8.8	17.7
miR-23a-3p	665.8	1064.1
miR-27a-3p	763.4	1145.7
miR-493-5p	35.9	59.5
miR-432-5p	6.3	13.5
miR-362-5p	15.2	23.2
miR-501-3p	3.6	5.3
miR-181c-5p	46.2	69.1
miR-181d-5p	35.5	86.2

c Hypoxia:GBM correlation

MicroRNA	Hypoxia	GBM
miR-155-5p	Up	Up
miR-193a-3p	Up	Up
miR-221-3p	Up	Up
miR-221-5p	Up	Up
miR-222-3p	Up	Up
miR-324-5p	Up	Up
miR-374a-5p	Up	Up
miR-497-5p	Up	Up
miR-628-5p	Up	Up
miR-9-5p	Up	Up
miR-99a-3p	Up	Up
miR-182-5p	Up	Up
miR-183-5p	Up	Up
miR-210-3p	Up	Up
miR-210-5p	Up	Up
miR-23a-3p	Up	Up
miR-30e-5p	Up	Up
miR-335-3p	Up	Up
miR-335-5p	Up	Up
miR-100-3p	Down	Down
miR-181a-2-3p	Down	Down
miR-185-5p	Down	Down
miR-29b-1-5p	Down	Down

Down regulated Clusters

	Normoxia TPM	Hypoxia TPM
miR-374b-3p	11.2	7.4
miR-421	9.6	5.9
miR-17-5p	385.9	232.3
miR-92a-1-5p	18.9	12.0
miR-20a-5p	790.6	374.4