

Table 2. Sample-level comparison of miRNA expression in cumulus cells according to embryo morphological quality

	Morphologically Poor Embryos			Morphologically Good Embryos			Mean Difference (95%CI) (poor-good)	p-value
	N	Mean (SD)	Median (IQR)	N	Mean (SD)	Median (IQR)		
U6Cpmean	25	22.09(1.50)	22.05(21.29-22.87)	25	22.44(1.56)	22.51(21.94-23.70)	-0.36(-1.22, 0.51)	0.415
miR21Cpmean	25	22.92(2.03)	23.00(21.85-24.20)	25	23.63(2.08)	24.08(22.17-25.18)	-0.71(-1.87, 0.46)	0.230
miR21ΔCt	25	0.84(0.96)	0.66(0.45-1.25)	25	1.19(0.99)	1.01(0.42-1.67)	-0.35(-0.90, 0.20)	0.210
miR21compar _to_ref	25	-0.35(0.96)	-0.52(-0.74-0.06)	25	0.00(0.99)	-0.18(-0.76-0.48)	-0.35(-0.90, 0.20)	0.210
miR21_power	25	1.57(1.09)	1.44(0.96-1.67)	25	1.18(0.59)	1.13(0.72-1.69)	0.39(-0.11, 0.89)	0.123
miR144Cpmean	19	34.90(2.33)	34.99(33.62-37.09)	13	34.49(3.04)	34.54(32.67-36.78)	0.41(-1.53, 2.35)	0.669
miR144ΔCt	19	13.16(1.74)	12.94(12.07-14.74)	13	12.33(2.96)	12.45(11.80-14.78)	0.83(-0.87, 2.52)	0.326
miR144compar _to_ref	19	0.83(1.74)	0.61(-0.27-2.41)	13	0.00(2.96)	0.12(-0.54-2.44)	0.83(-0.87, 2.52)	0.326
miR144_power	19	1.03(1.15)	0.66(0.19-1.20)	13	19.82(66.74)	0.92(0.18-1.45)	-18.78(-49.82, 12.25)	0.226
miR146Cpmean	25	29.96(3.47)	30.39(27.95-31.03)	24	29.40(2.02)	29.40(27.92-31.14)	0.56(-1.08, 2.20)	0.495
miR146ΔCt	25	7.88(2.79)	7.57(6.77-8.34)	24	7.01(1.44)	7.14(5.69-8.31)	0.87(-0.41, 2.15)	0.179
miR146compar _to_ref	25	0.87(2.79)	0.56(-0.24-1.33)	24	0.00(1.44)	0.13(-1.32-1.31)	0.87(-0.41, 2.15)	0.179
miR146_power	25	1.89(4.89)	0.68(0.40-1.18)	24	1.57(1.51)	0.91(0.41-2.50)	0.33(-1.77, 2.43)	0.755
miR149Cpmean	25	29.53(1.21)	29.57(29.05-29.99)	25	29.99(1.57)	29.69(29.22-30.86)	-0.47(-1.26, 0.33)	0.242
miR149ΔCt	25	7.44(1.16)	7.22(6.71-8.11)	25	7.55(0.68)	7.68(6.98-8.04)	-0.11(-0.66, 0.43)	0.676
miR149compar _to_ref	25	-0.11(1.16)	-0.34(-0.85-0.55)	25	0.00(0.68)	0.13(-0.57-0.48)	-0.11(-0.66, 0.43)	0.676
miR149_power time (ms)	25	1.36(0.80)	1.26(0.68-1.80)	25	1.11(0.53)	0.92(0.72-1.49)	0.25(-0.14, 0.64)	0.203