

Trends in the regulation of DE miRNAs: RT-qPCR and NGS data expression

A)

miRNAs	qPCR Fold-change: eCL / mCL	NGS	SEM (qPCR)	SEM (NGS)
bta-miR-210	0.3	2.4	0.17	0.27
bta-miR-96	0.2	2.8	0.28	0.45
bta-miR-7	0.5	2.2	0.40	0.21
bta-miR-182	0.2	2.6	0.17	0.44
bta-miR-183	0.3	2.5	0.27	0.31
bta-miR-2898	1.0	1.6	0.09	0.40
bta-miR-146a	-2.0	-1.5	0.19	0.24
bta-miR-202	0.6	1.3	0.06	0.33
bta-mir-21-5p	0.48	1.08	0.30	0.27
bta-miR-143	-2.41	-0.51	0.83	0.22

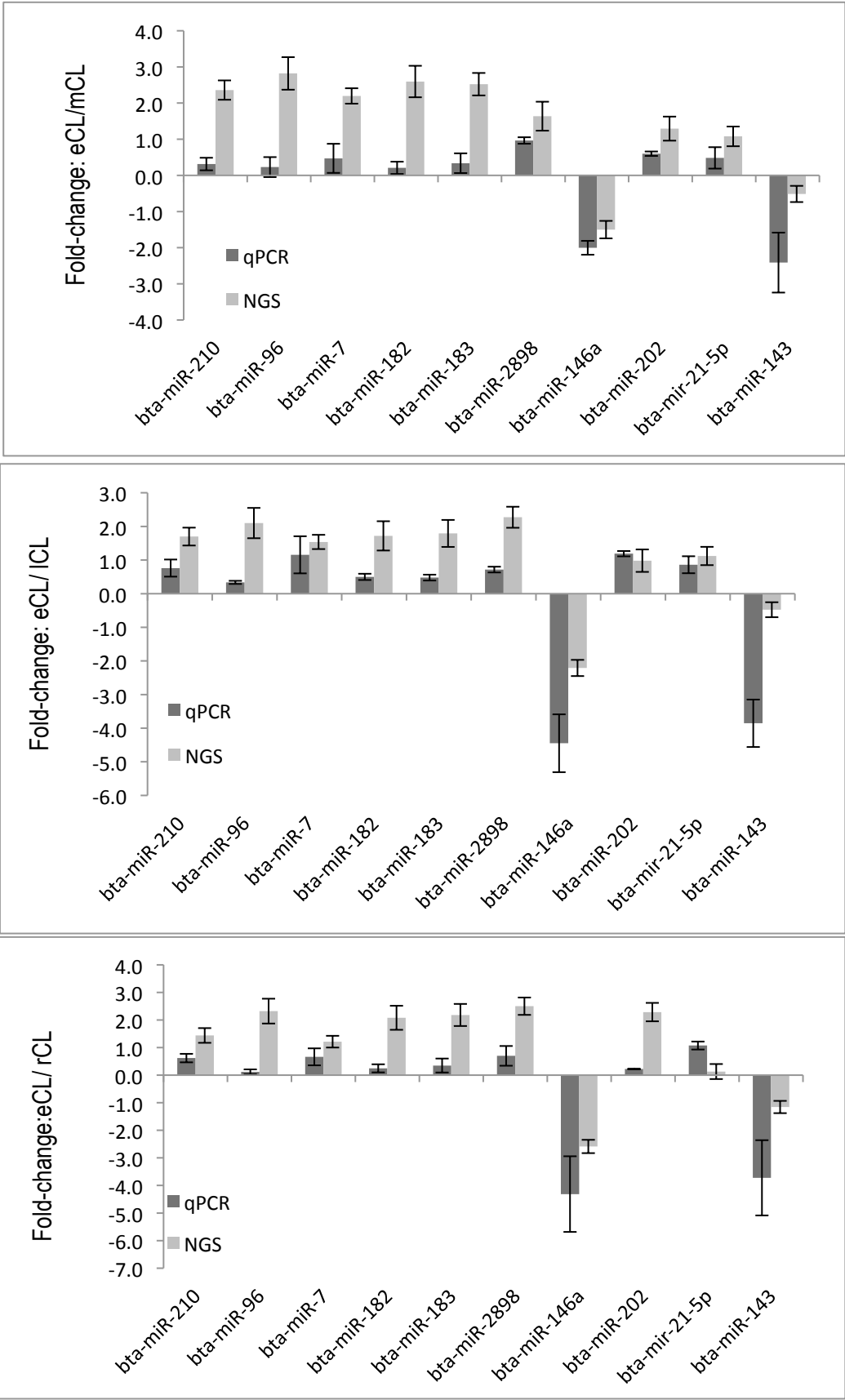
B)

miRNAs	qPCR Fold-change: eCL / ICL	NGS	SEM (qPCR)	SEM (NGS)
bta-miR-210	0.8	1.7	0.25	0.27
bta-miR-96	0.3	2.1	0.05	0.45
bta-miR-7	1.2	1.5	0.55	0.21
bta-miR-182	0.5	1.7	0.09	0.43
bta-miR-183	0.5	1.8	0.09	0.40
bta-miR-2898	0.7	2.3	0.09	0.31
bta-miR-146a	-4.4	-2.2	0.86	0.24
bta-miR-202	1.2	1.0	0.08	0.33
bta-mir-21-5p	0.9	1.1	0.25	0.27
bta-miR-143	-3.9	-0.5	0.71	0.22

C)

miRNAs	qPCR Fold-change: eCL / rCL	NGS	SEM (qPCR)	SEM (NGS)
bta-miR-210	0.6	1.4	0.16	0.27
bta-miR-96	0.1	2.3	0.09	0.45
bta-miR-7	0.7	1.2	0.31	0.21
bta-miR-182	0.2	2.1	0.15	0.44
bta-miR-183	0.3	2.2	0.25	0.40
bta-miR-2898	0.7	2.5	0.36	0.31
bta-miR-146a	-4.3	-2.6	1.37	0.24
bta-miR-202	0.2	2.3	0.00	0.33
bta-mir-21-5p	1.07	0.13	0.14	0.27
bta-miR-143	-3.72	-1.16	1.36	0.22

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RT-qPCR validation and significance for individual miRNAs

Bta-miR-210	2 ^Δ (-ddCt) SEM ttest	eCl/mCL	eCL/ICL	eCL/rCL
		0.48	0.76	0.62
		0.173	0.254	0.156
		0.030	0.266	0.117

Bta-miR-96	2 ^Δ (-ddCt) SEM ttest	eCl/mCL	eCL/ICL	eCL/rCL
		0.22918	0.33635	0.12061513
		0.2773174	0.0461274	0.08834827
		0.0012887	0.0079184	0.00144017

Bta-miR-7	2 ^Δ (-ddCt) SEM ttest	eCl/mCL	eCL/ICL	eCL/rCL
		0.4709246	1.1552158	0.6632465
		0.401942	0.5517755	0.30819771
		0.5127386	0.0777077	0.88958993

Bta-miR-182	2 ^Δ (-ddCt) SEM ttest	eCl/mCL	eCL/ICL	eCL/rCL
		0.2093772	0.5005105	0.24738237
		0.1698101	0.0929313	0.14781098
		0.0005629	0.0495864	0.0077687

Bta-miR-183	2 ^Δ (-ddCt) SEM ttest	eCl/mCL	eCL/ICL	eCL/rCL
		0.3369091	0.4783102	0.34842051
		0.2724848	0.0866872	0.25246713
		0.0416063	0.1545229	0.02713599

Bta-miR-2898	2 ^Δ (-ddCt) SEM ttest	eCl/mCL	eCL/ICL	eCL/rCL
		0.9646612	0.7173355	0.69921464
		0.0888755	0.0856588	0.35756479
		0.7844567	0.0659098	0.065358

Bta-miR-146a	2 ^Δ (-ddCt) SEM ttest	eCl/mCL	eCL/ICL	eCL/rCL
		2.0022167	4.4485925	4.31313449
		0.1927118	0.8595513	1.37366551
		0.064268	0.0018543	0.00770503

Bta-miR-202	2 ^Δ (-ddCt) SEM ttest	eCl/mCL	eCL/ICL	eCL/rCL
		0.5987793	1.1902033	0.22199682
		0.0614416	0.0794587	0.14911455
		0.0579422	0.4982357	0.00153976

RT-qPCR validation and significance for individual miRNAs

Bta-miR-21-5p		eCL/mCL	eCL/ICL	eCL/rCL
	2 [^] (-ddCt)	0.48221103	0.86017904	1.073600141
	SEM	0.2964109	0.25170561	0.144794741
	ttest	0.46763485	0.86463907	0.07215558

Bta-miR-143		eCL/mCL	eCL/ICL	eCL/rCL
	2 [^] (-ddCt)	2.41209959	3.85416062	3.723778331
	SEM	0.82912227	0.7053813	1.363012553
	ttest	0.02416748	0.00028332	0.00151253