



Report of Deliverable No: D5.1

Grant agreement number 200800

Dissemination Level (please tick)

PU = Public

PP = Restricted to other programme participants (including the Commission Services).

RE = Restricted to a group specified by the consortium (including the Commission Services).

CO = Confidential, only for members of the consortium (including the Commission Services).

Atlas of mRNA expression patterns of the genes of interest (GOI) as of 31/12/2008

gene	Articular chondrocytes			Meniscal fibrochondrocytes			Synovial membrane-derived cells		
	mRNA expression (native/early passage)	dedifferentiation	cytokine stimulation IL-1b TNFa	mRNA expression	dedifferentiation	cytokine stimulation IL-1b TNFa	mRNA expression	dedifferentiation	cytokine stimulation IL-1b TNFa
GDF5	++	→	↓↓	++	→	→	+	→	→
Rotterdam chr7p12	++	→	→	++	→	→	++	→	→
DIO2	++	→	↓↓	++	↓	→	+	→	→
Rotterdam 7q22 a	++	→	→	++	→	→	++	→	→
Rotterdam 7q22 e	+++	→	→	+++	→	→	+++	→	→
Rotterdam 7q22 b	+	→	→	+	→	→	+++	→	→
Rotterdam 7q22 d	+	→	↑	+	→	→	+++	↑	→
Rotterdam chr 7q22c		→	→		→	→	+	→	→
KUL chr 6	+++	→	↓↓	++	→	→	++	→	→
deCODE 1q31a	+++	→	↑	+++	→	→	+++	→	→
deCODE 22q11	++	→	↑↑	++	→	→	+++	→	→
deCODE 3q28a		→	↑↑		→	→	++	→	→
deCODE 3q28b		→			→	→	+	→	→
deCODE 1q31b		→			→	→	-	→	→
FRZB		→			→	→		→	→
deCODE 3p21		→			→	→	+	→	→
ANP32A		→			→	→	+++	→	→

Legend

- + dCt normalised to b-actin >12
- ++ dCt normalised to b-actin ~ 8-12
- +++ dCt normalised to b-actin ~8
- ↓ decreased expression
- ↑ increased expression
- expression unchanged