

Table S25. Classification of selected genes according to their expression pattern.

	nD vs D			scRNA-seq/ qPCR results Correlation	
	Genes	NP	AF	NP	AF
Group 1	UPP1			-	-
	PRG4			-	-
	MT1G			-	-
	MT2A			+	-
	FRZB			-	-
	ADIRF			-	+
	Vimentin			+	+
	MT-ND2			-	-
	MT-CYB			-	-
	CAPS			-	-
	SYF2 (p29)			+	+
	MGST1			-	+
	TAF1D			+	+
	MT1F			+	+
	TNFRSF11B			-	-
	S100A2			+	-
	MSMP			-	-
	SPTSSB			-	-
	HMGA1			-	-
	FGFBP2			-	-
Group 2	SOD2			-	+
	IGFBP3			-	-
	SLPI			-	-
	C2orf40			-	-
	S100B			-	-
	Col2A1			-	-
	FBXO2			-	-
	S100A1			+	-
	CLEC3A			-	-

CHI3L2			-	-
PLA2G2A			-	-
CTGF			-	-
EPYC			-	-

Legend

Homogenous Expression in 14 Clusters
Opposite expression within 14 clusters

(+): scRNA-seq result **validated** by qPCR

(-): scRNA-seq result **not validated** by qPCR

Group 1: Similar pattern of expression between NP and AF

Group 2: Opposite pattern of expression between NP and AF