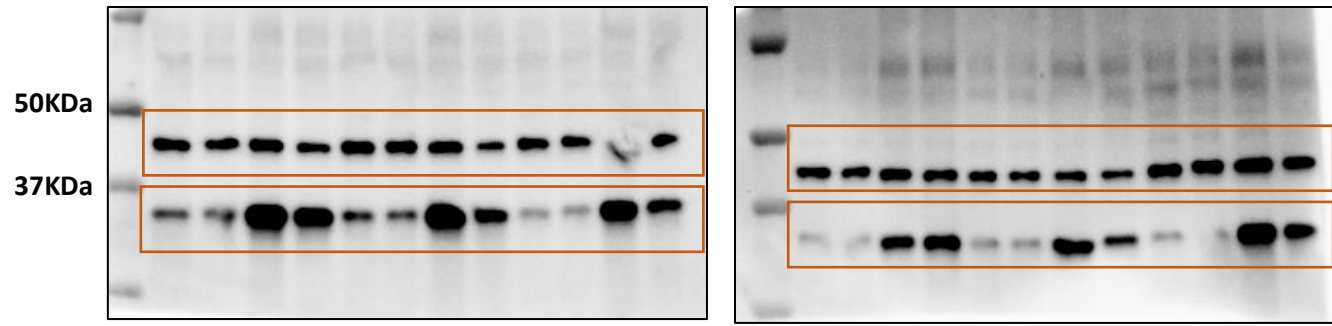


Figure 3A

SOX9 (~70KDa)

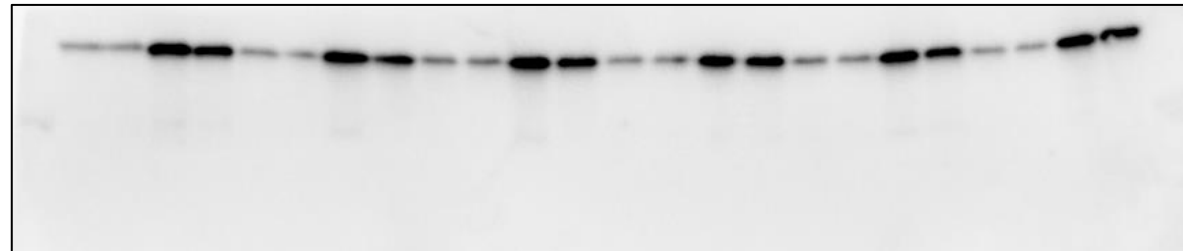


β-actin (~43KDa)

LDHA (~36KDa)

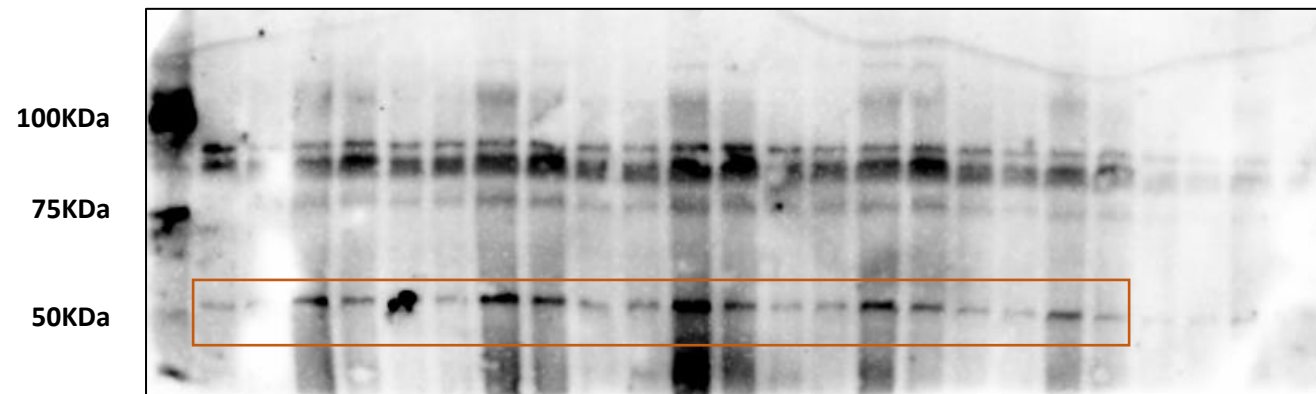
Figure 6A

	Patient 1		Patient 2		Patient 3		Patient 4		Patient 5		Patient 6	
	18.9%	1%	18.9%	1%	18.9%	1%	18.9%	1%	18.9%	1%	18.9%	1%
Ladder	MN	OA	MN	OA	MN	OA	MN	OA	MN	OA	MN	OA



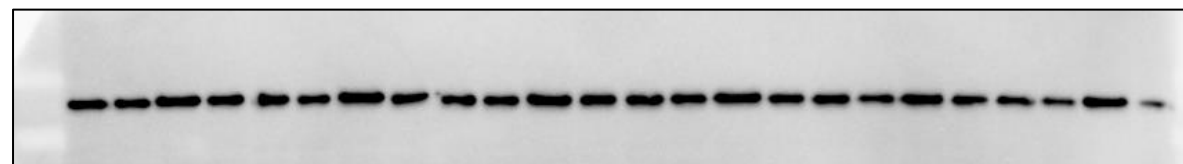
HIF1α (~100KDa)

Figure 6C



GLUT1 (~54KDa)

Figure 4E



β-actin (~43KDa)

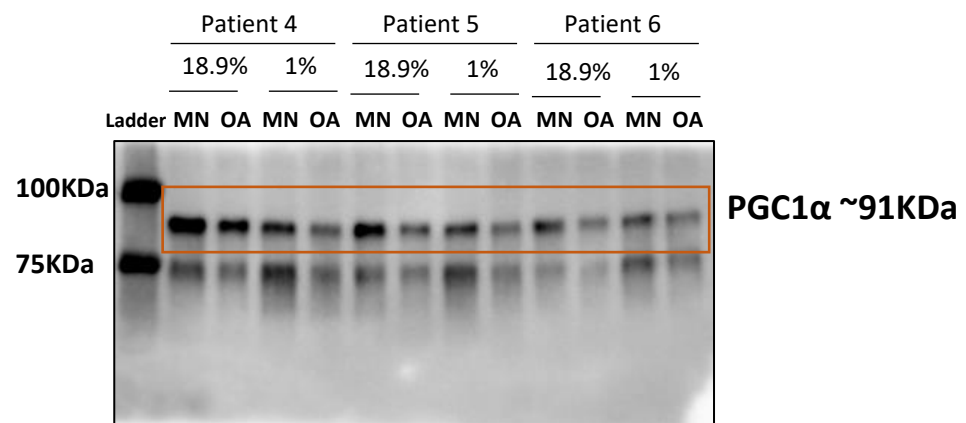
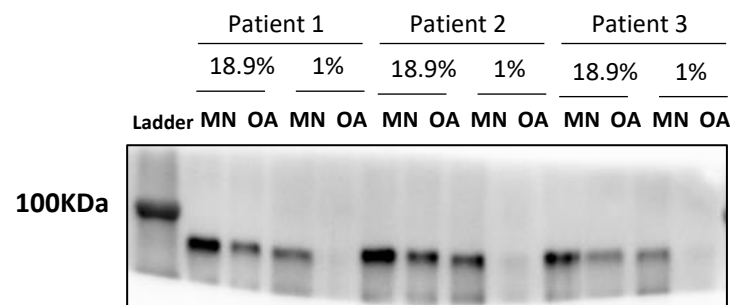


Figure 7D

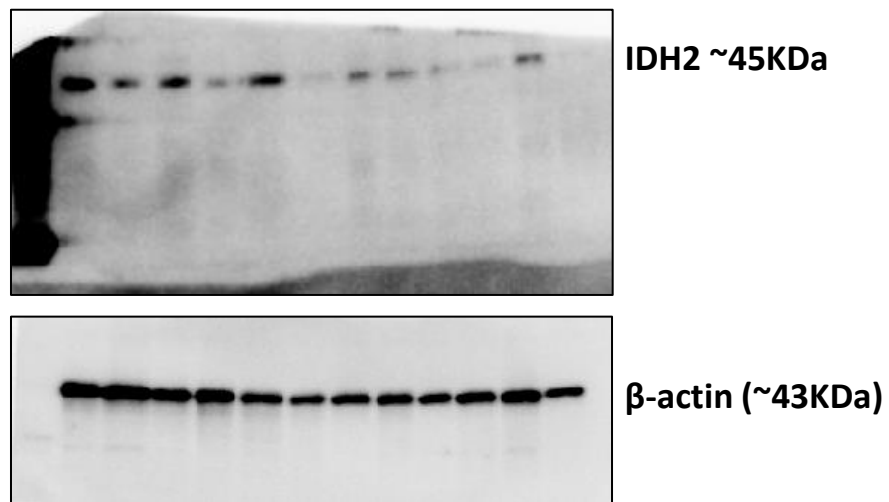
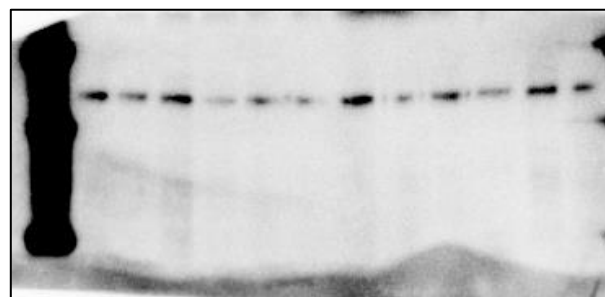


Figure 8E

Figure S1. Full length Western blot images.

Table S1 Sequences for primers used for real time PCR.

	Sequence (5'-3')
SOX9	CTG GGC AAG CTC TGG AG CGT TCT TCA CCG ACT TCC TC
COL2A1	CCT CAA GGA TTT CAA GGC AAT GTT TTC CAG CTT CAC CAT CAT C
ACAN	AGA TTC ACA GAA CTC CAG TGC ACC TAC GAT GTC TAC TGC TTT G
MMP13	TTA AGG AGC ATG GCG ACT TCT AC CCC AGG AGG AAA AGC ATG AG
ADAMTS5	CAC TAC GAT GCA GCT ATC CTG AAC ATA TGG TCC CAA CGT CTG
GLUT1	GTG CCA TAC TCA TGA CCA TCG GGC CAC AAA GCC AAA GAT G
LDHA	GAC ATC AGA AGA CTT TAA AAT TGC AG ATG TTG CTG GTG TCT CTC TG
PGK1	GAC AGC AGC CTT AAT CCT CTG CTA ACA AGC TGA CGC TGG A
PGC1 α	TGT CTG TAT CCA AGT CGT TCA C GAG TCT GTA TGG AGT GAC ATC G
IDH1	CTG CTT CTA CTG TCT TGC CA ACT ATG ATG GTG ACG TGC AG
IDH2	CCT CAA TCG TCT TCC CAT CAG GCT CAG GTC CTC AAG TCT TC