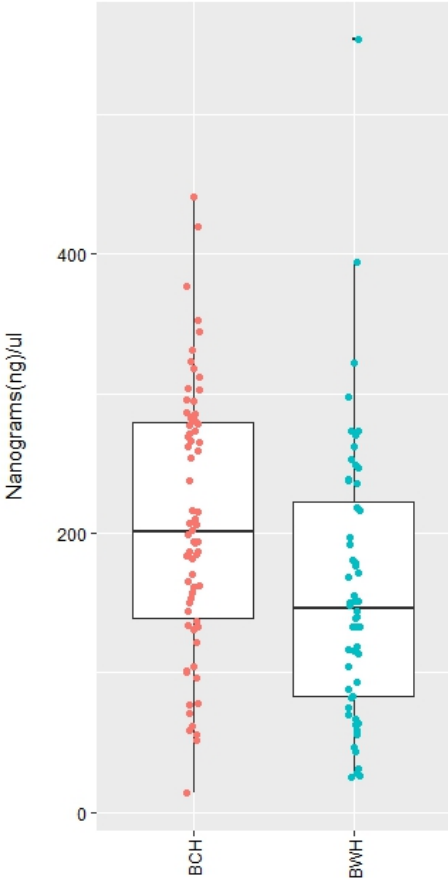


Figure S1: Quantity and quality of RNA from biopsies

A



B

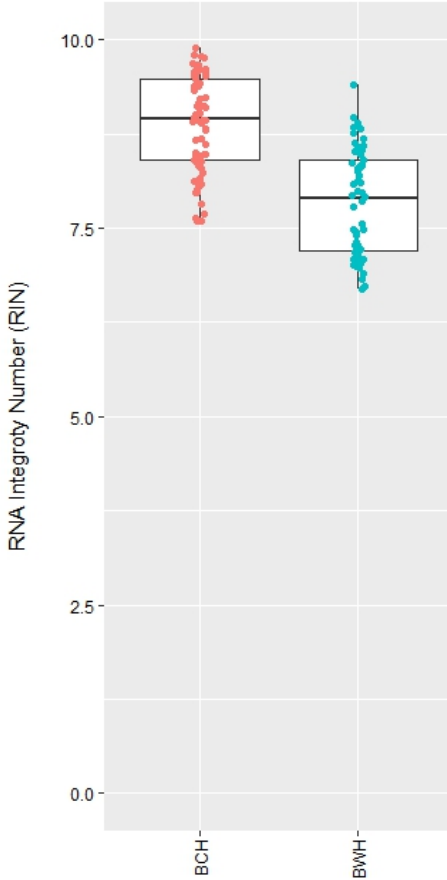
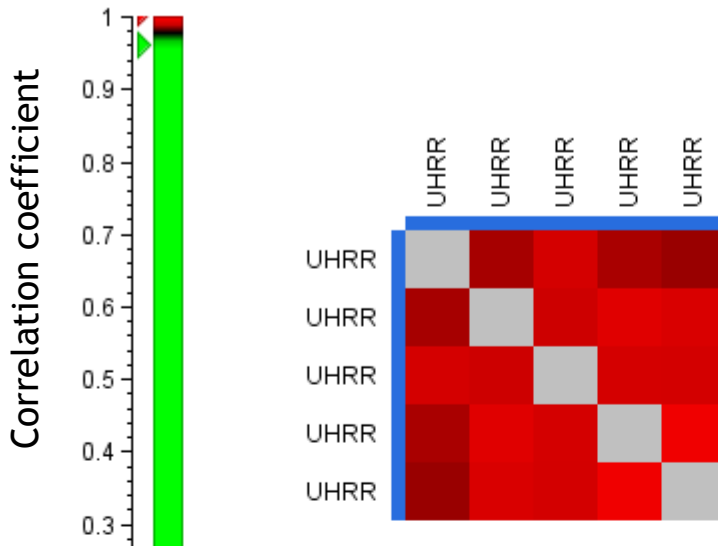


Figure S2: Correlation of UHRR batch controls

A



B

Correlation Coefficients

	Batch1 Plate 1	Batch1 Plate 2	Batch1 Plate 3	Batch2 Plate 1	Batch2 Plate 2
	UHR1	UHR2	UHR3	UHR4	UHR5
UHR1	1	0.9906	0.9932	0.9901	0.9894
UHR2	0.9906	1	0.9922	0.9943	0.9933
UHR3	0.9932	0.9922	1	0.9929	0.9927
UHR4	0.9901	0.9943	0.9929	1	0.9974
UHR5	0.9894	0.9933	0.9927	0.9974	1

Figure S3: Microarray Analysis Flow Chart

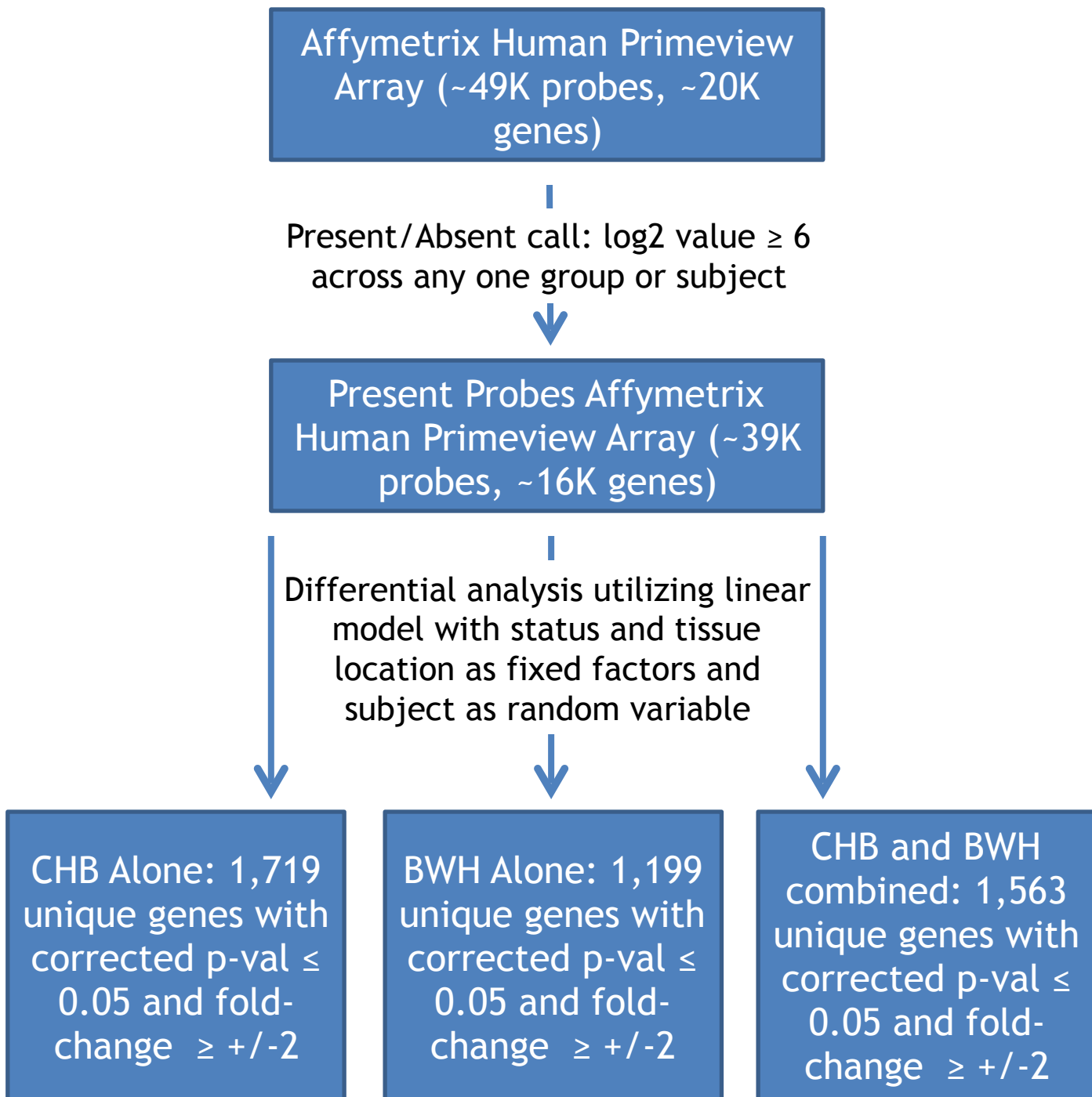
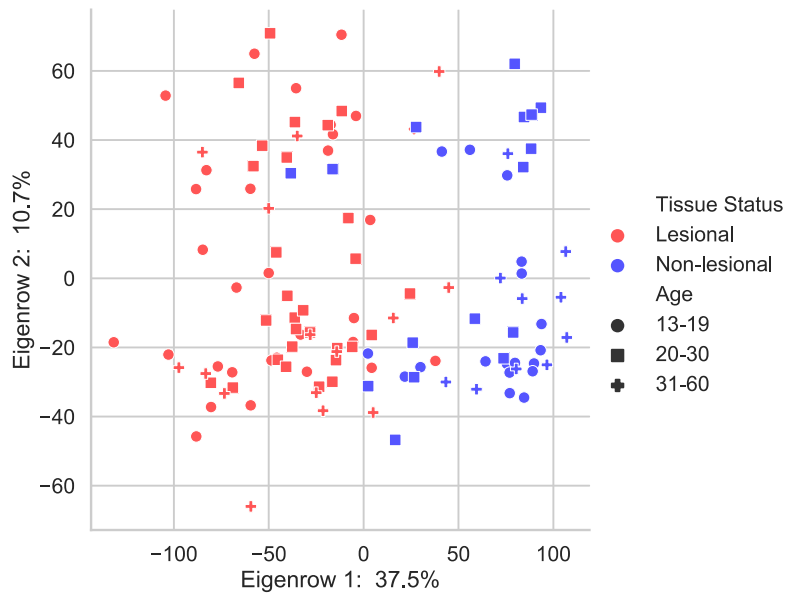


Figure S4: PCAs denoting Age and Sex

A

Shape by age



B

Shape by sex

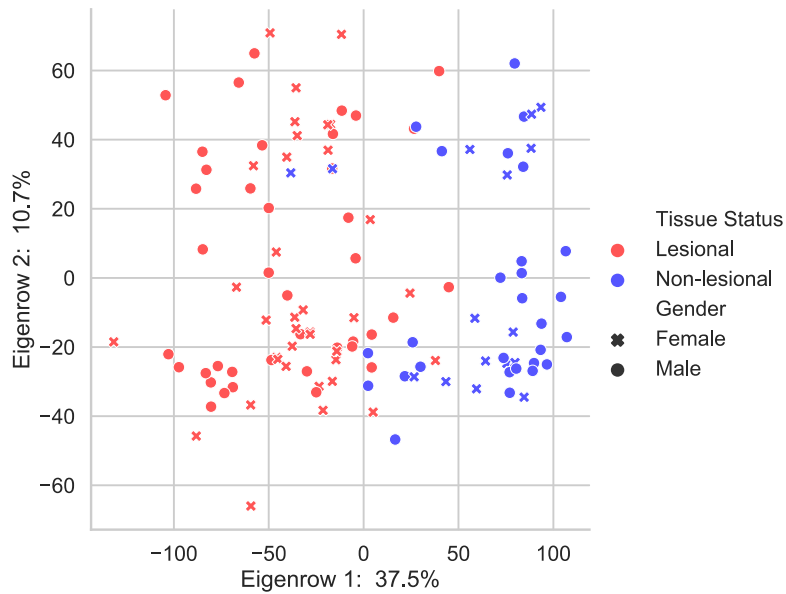


Figure S5: Combined vs BCH vs BWH (Q<0.05 and FC>+/-2)

A

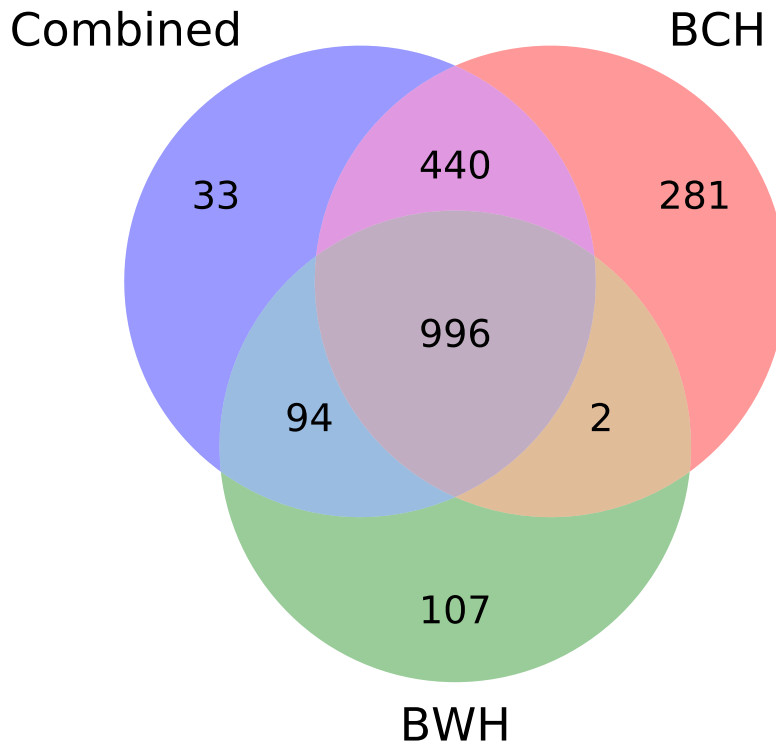
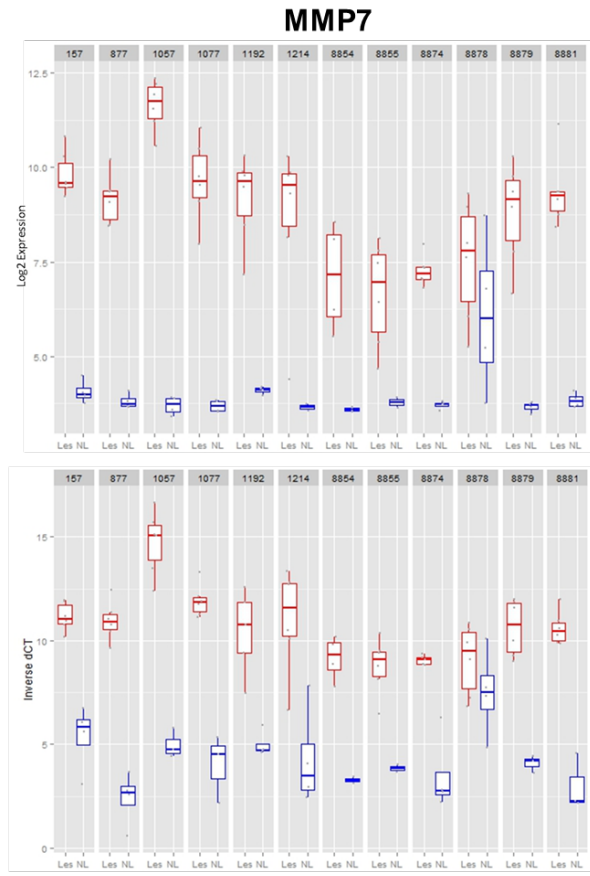
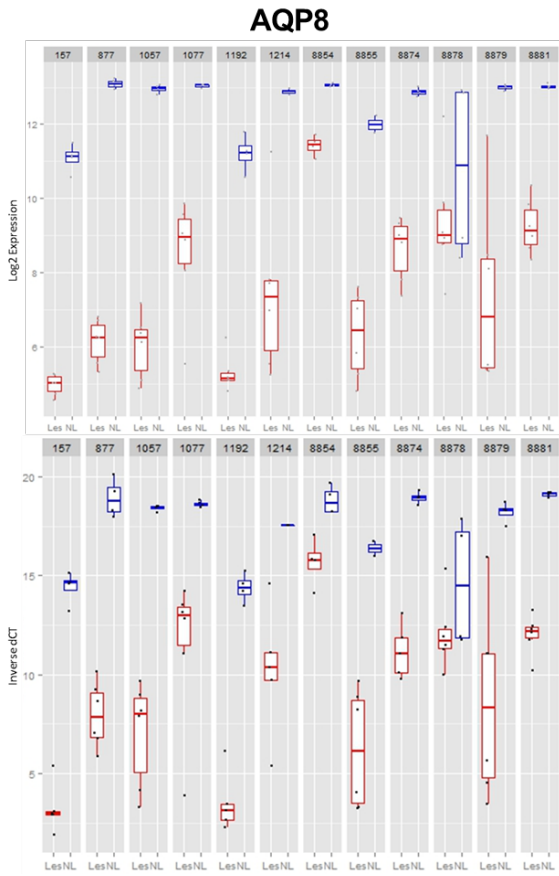


Figure S6: qPCR validation of AQP8 and MMP7



Array

qPCR