

Supplementary Table S5: Estimation of Co-factors

Lens type	Level of trace elements ($\mu\text{g/g}$ tissue weight)		
	Copper P value	Zinc P value	Manganese P value
CL (n=5)	3.78 \pm 1.33 (2.92 to 6.01)	33.45 \pm 3.41 (31.18 to 39.36)	1.62 \pm 0.37 (1.19 to 1.96)
CT (n=28)	4.93 \pm 2.67 (1.45 to 10.23)	50.75 \pm 19.10 (28.13 to 93.21)	3.13 \pm 1.63 (1.24 to 7.96)
NC (n=8)	4.50 \pm 1.62 (2.93 to 6.64)	40.05 \pm 9.60 (28.13 to 54.11)	2.85 \pm 1.24 (1.47 to 4.98)
CC (n=11)	6.74 \pm 3.11 (2.70 to 10.83)	76.66 \pm 23.64 (44.33 to 132.75)	4.45 \pm 1.50 (2.52 to 7.96)
PSC (n=9)	2.88 \pm 1.24 (1.45 to 4.69)	34.45 \pm 14.17 (12.71 to 41.50)	1.80 \pm 0.57 (1.24 to 2.78)
P values			
CL Vs CT	0.36	0.02 [#]	0.01 [#]
CL Vs NC	0.42	0.17	0.06
CL Vs CC	0.06	0.00	0.00
CL Vs PSC	0.23	0.88	0.54

#- Mann-Whitney U test; values within parenthesis-range of co-factors level, *-p<0.05, CL: clear lens, CT: cataract lens, NC: nuclear cataract, CC: cortical cataract, PSC: posterior subcapsular cataract, LE: lens epithelium, LN: lens nucleus