

**Supplemental Table 2: Summary of Extracellular Matrix and Adhesion Molecule Gene Expression Changes in RPE/Choroid Eyecup RNA Isolated from Old *Cfh*<sup>+/-</sup> Fed an HFC Diet Compared to Age-Matched *Cfh*<sup>+/-</sup> Fed a Normal Diet**

Gene	GenBank ID	HFC/ND
Itgae	NM_008399	3.51
Vcan	NM_001081249	2.78
Mmp13	NM_008607	2.57
Sele	NM_011345	2.54
Cntn1	NM_007727	2.53
Col2a1	NM_031163	2.29
Itgal	NM_008400	2.07
Thbs3	NM_013691	2.05
Selp	NM_011347	1.92
Adamts1	NM_009621	1.78
Spock1	NM_009262	1.78
Mmp1a	NM_032006	1.7
Sell	NM_011346	1.69
Mmp14	NM_008608	1.62
Adamts5	NM_011782	1.61
Cd44	NM_009851	1.61
Vcam1	NM_011693	1.53
Cdh4	NM_009867	1.51
Ecm1	NM_007899	1.49
Fbln1	NM_010180	1.49
Itgb2	NM_008404	1.49
Mmp11	NM_008606	1.49
Mmp12	NM_008605	1.49
Col5a1	NM_015734	1.46
Itgax	NM_021334	1.44
Lama3	NM_010680	1.44
Emilin1	NM_133918	1.42
Icam1	NM_010493	1.42
Itga5	NM_010577	1.41
Itgam	NM_008401	1.41
Tgfbi	NM_009369	1.4
Itgb4	NM_001005608	1.39
Ctnna1	NM_009818	1.38
Itga4	NM_010576	1.35
Itgb1	NM_010578	1.35
Sgce	NM_011360	1.34
Entpd1	NM_009848	1.31

Ctnnb1	NM_007614	1.3
Cdh2	NM_007664	1.29
Lamb2	NM_008483	1.29
Mmp9	NM_013599	1.28
Col4a2	NM_009932	1.27
Ctnna2	NM_009819	1.27
Itgav	NM_008402	1.27
Adamts2	NM_175643	1.26
Adamts8	NM_013906	1.25
Itga3	NM_013565	1.25
Lame1	NM_010683	1.23
Ncam1	NM_010875	1.23
Thbs1	NM_011580	1.23
Mmp2	NM_008610	1.2
Tnc	NM_011607	1.2
Itga2	NM_008396	1.19
Ctgf	NM_010217	1.17
Mmp15	NM_008609	1.17
Ncam2	NM_010954	1.17
Pecam1	NM_008816	1.16
Timp2	NM_011594	1.15
Col4a1	NM_009931	1.13
Mmp8	NM_008611	1.12
Itgb3	NM_016780	1.1
Lama1	NM_008480	1.1
Col3a1	NM_009930	1.09
Thbs2	NM_011581	1.08
Col4a3	NM_007734	1.06
Sparc	NM_009242	1.06
Spp1	NM_009263	1.06
Cdh1	NM_009864	1.05
Timp1	NM_011593	1.05
Timp3	NM_011595	1.05
Col1a1	NM_007742	1.02
Vtn	NM_011707	-1.03
Lama2	NM_008481	-1.04
Fn1	NM_010233	-1.05
Postn	NM_015784	-1.05
Col6a1	NM_009933	-1.09
Lamb3	NM_008484	-1.28
Hapln1	NM_013500	-1.3

Mmp3	NM_010809	-1.32
Syt1	NM_009306	-1.53
Cdh3	NM_001037809	nd
Hc	NM_010406	nd
Mmp10	NM_019471	nd
Mmp7	NM_010810	nd

Yellow, red, green and blue represent a gene that is upregulated with a fold change greater than 1.25, unchanged with a fold change between 1.25 and -1.25, downregulated with a fold change greater than -1.25 or not detected (nd), in RPE/choroid eyecup RNA isolated from old *Cfh*<sup>+/-</sup> fed an HFC diet compared to age-matched *Cfh*<sup>+/-</sup> fed a normal diet, respectively.