

Supplementary Table 1: Correlations between lipid species recovered from human tears

Lipid Species	AA Pearson/ Spearman	DHA Pearson/ Spearman	EPA Pearson/ Spearman	PGE₂ Pearson/ Spearman	HxA₃ Pearson/ Spearman
AA	--	0.76*/0.88*	0.67*/0.46*	0.36*/0.30	0.44*/0.66*
DHA	0.76*/0.88*	--	0.60*/0.43*	0.23/0.14	0.43*/0.66*
EPA	0.67*/0.46*	0.60*/0.43*	--	0.32*/0.27	0.26/0.42*
PGE₂	0.36*/0.30	0.23/0.14	0.32*/0.27	--	0.38*/0.39*
HxA₃	0.44*/0.66*	0.43*/0.66*	0.26/0.42*	0.38*/0.39*	--

*p-value<0.05

AA= Arachidonic acid; DHA=docosahexaenoic acid;

EPA=eicosapentaenoic acid; PGE₂=prostaglandin E₂; HxA₃=hepoxilin A₃