Suppl. Table ST-1

Summary of the interrelations of Figures in this study

Figure 1.		Culture periods required for the differentiation disposition of Nic-ARPE and iPS-hRPE cells
Figure 2.		Cell phenotypes and mitochondria functions in Nic-ARPE and iPS-hRPE cells during cultures
	a	Cell phenotypes and morphology for Nic-ARPE and iPS-hRPE cells
	b	Subpopulations (SPs) of RPE cells classified by FACS analysis
	c	Mitochondrial membrane potential by JC-1 staining
	d	Production of pro-inflammatory and angiogenesis-related cytokines by Nic-ARPE cells
	e	Production of pro-inflammatory and angiogenesis-related cytokines by iPS-hRPE cells
Figure 3.		Expression levels of miR-494-3p, its target proteins (PTEN and SIRT3) in Nic-ARPE and iPS-hRPE cells.
	a	Candidate Target sites of miR-494-3p screened by target scan
	b	Illustrated plausible molecular interplays
	c	The changes in expression intensity of miR-494-3p in Nic-ARPE and iPS-hRPE cells
	d	The changes in expression intensity of PTEN and SIRT3 in Nic-ARPE and iPS-hRPE cells during cultures
Figure 4.		Functional changes of mitochondria by indirect activation of PTEN through inhibition of miR-494-3p by transfection of a miR-494-3p inhibitor
	a	MMP in Nic-ARPE
	b	Mitochondrial oxidative respiration (OXPHOS) in Nic-ARPE and iPS-hRPE cells.
Figure 5.		Metabolic changes (ATP, NAD^+ biosynthesis) in mitochondria by transfection of a miR-494-3p inhibitor
	a	ATP production
	b	NAD^+ production
Figure 6.		Functional changes of mitochondria by direct inhibition of PTEN by VO
	a	the changes of MMP in ARPE19 cells by miR494-3p mimic and VO, inhibiting PTEN
	b	ATP and NAD^+ production in iPS-hRPE cells
Figure 7.		Summarized figures for the hypothesis on the role of cell to cell communication by EV miR-494-3p
	a	Dual effects of miR-494-3p on RPE cell mitochondria metabolic homeostasis
	b	Hypothesis of AMD pathogenesis