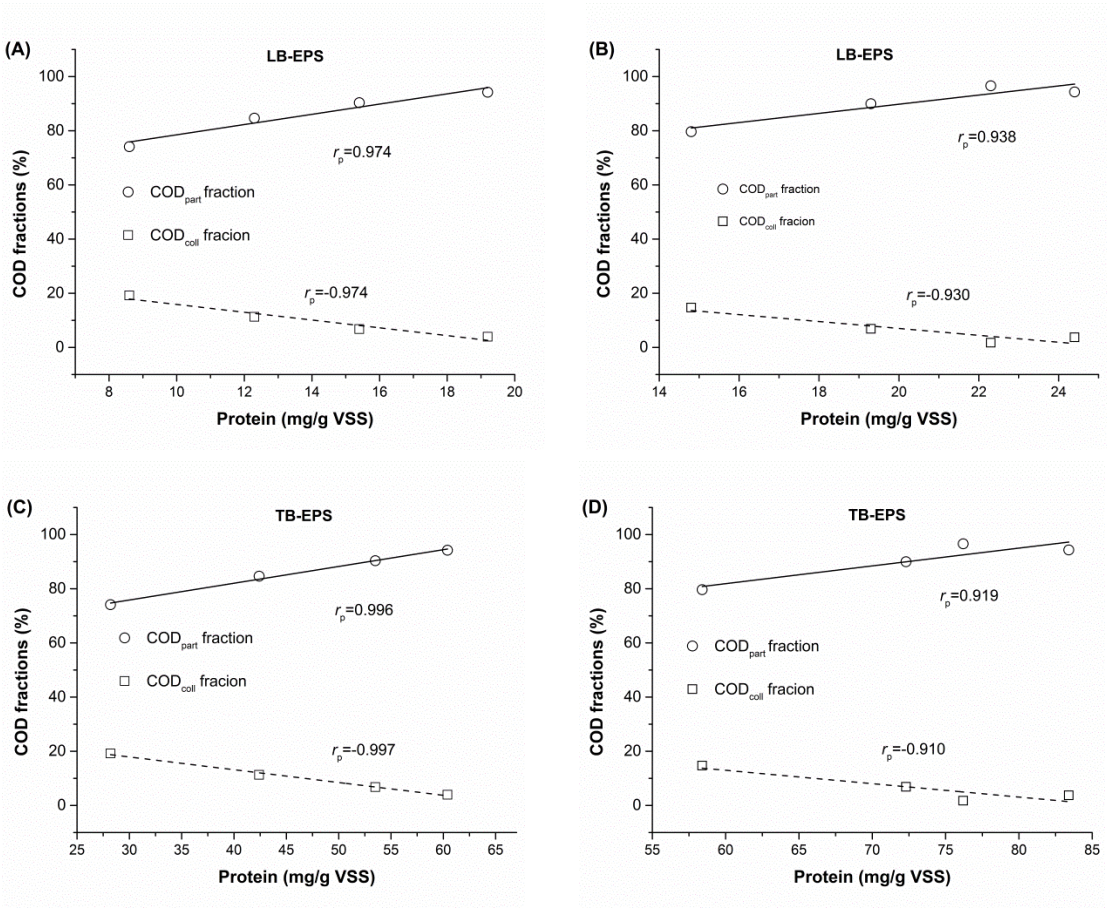

Figure. S1. Impacts of proteins increase in LB-EPS and TB-EPS fraction of two MBRs (A, C for HL-MBR; B, D for HRCS-MBR) on changes of COD fractions (%) at different SRTs. r_p : Pearson's correlation coefficient.

Table S1. NH_4^+-N and TP concentrations of concentrates in both MBRs at different SRTs.

		SRT=0.5	SRT=0.8	SRT=1.2	SRT=1.8
	Influent NH_4^+-N	42.6±5.7	38.5±4.4	44.2±4.3	42.3±5.2
	Influent TP	3.1±0.6	3.8±1.1	3.7±0.4	3.4±0.6
HL-MBR	Effluent NH_4^+-N	42.3±7.8	43.5±5.6	42.9±3.7	41.2±7.4
	Effluent TP	2.9±0.7	3.7±0.8	3.6±0.5	3.2±0.4
HRCS-MBR	Effluent NH_4^+-N	40.9±2.1	42.6±5.8	45.3±4.9	41.6±7.6
	Effluent TP	2.7±1.1	3.7±0.5	3.8±0.3	2.9±0.5

Table S2. COD concentrations of concentrates in both MBRs at different SRTs.

		SRT=0.5	SRT=0.8	SRT=1.2	SRT=1.8
HL-MBR	COD_{tot}	2272±312	3265±247	4384±376	5226±422
	COD_{part}	1684±136	2762±326	3961±263	4923±169
	COD_{coll}	436±56	368±44	297±51	205±23
	COD_{diss}	152±24	134±22	126±27	97±24
HRCS-MBR	COD_{tot}	2517±279	3916±489	4892±511	5377±395
	COD_{part}	2005±232	3523±176	4615±253	5192±279
	COD_{coll}	370±56	269±44	182±51	93±23
	COD_{diss}	142±27	124±32	95±38	91±21