

Table S1 Linear fitting relationship of CFSD model for RB-KNB on Al₂O₃-SiO₂ and TiO₂/Al₂O₃-SiO₂ membranes

Membrane	Linear fitting equation	$1/k$ (*10 ² cm/s)	$\ln(D_{AM}*K/\delta)$ (cm/s)	R ²
TiO ₂ /Al ₂ O ₃ -SiO ₂	y=0.367x-7.145	0.368	-7.146	0.995
Al ₂ O ₃ -SiO ₂	y=0.749x-7.971	0.749	-7.971	0.964