Supporting Information for:

Crosslinking of Comb-Shaped Polymer Anion Exchange Membranes Via

Thiol-ene Click Chemistry

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This supporting information file includes: Figures S1 to S4

Figure S1. $^1$H NMR of crosslinkable comb-shaped X80Yy in bromine salt form in DMSO-d$_6$. 

![Figure 1](image-url)
Figure S2. Hydroxide conductivity of cross-linked and BTMA membranes as a function of (a) IEC (ion exchange capacity) and (b) hydration number $\lambda$. 
Figure S3. Bicarbonate conductivity of AEMs as a function of temperature.
Figure S4. Water volume fraction dependence of the effective hydroxide conductivity in the water channels ($\sigma'$) in water at room temperature.