## **Supporting Information**

## Molecular Relaxation and Dynamic Rheology of "Cluster Phase"-free Ionomers Based on Lanthanum (III)-neutralized Low-carboxylated Poly(methyl methacrylate)

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Figure S1 DC conductivity ( $\sigma$ ) as a function of reciprocal temperature (1/*T*).



Figure S2 Shift factor  $a_{\rm T}$  as a function of temperature.