Supporting Information

Preparation of Supramolecular Silicone Elastomers via Homo- and Hetero-assembly

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The carbon peak (g) on the piperazine of **PyP-PDMS** shifted after the Michael addition reaction occurred. Each peak in the **A-PDMS** and **T-PDMS** spectra was consistent with the expected position of the carbon peaks as shown below.

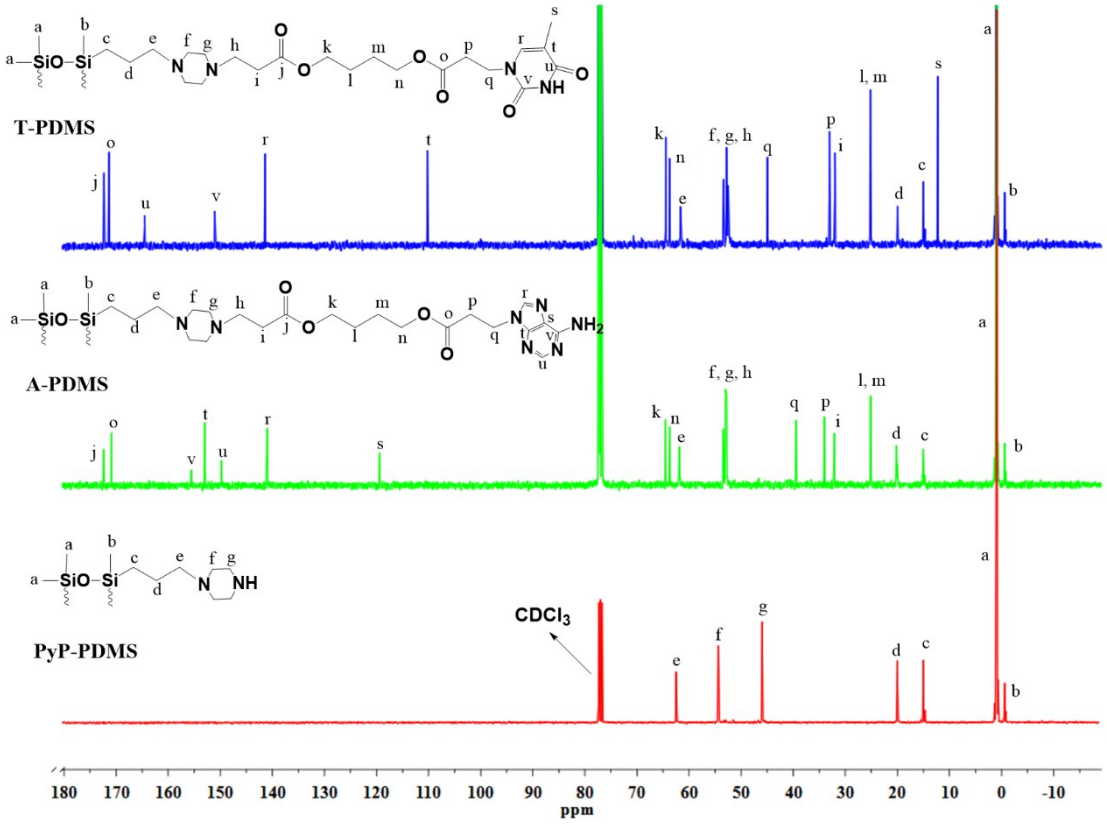

Fig. S1 Comparison of ^{13}C NMR spectra of **PyP-PDMS**, **A-PDMS** and **T-PDMS**.

The GPC comparison of **A-PDMS**, **T-PDMS** and **PyP-PDMS** in **Figure** S2 shows that the molecular weights of **A-PDMS** and **T-PDMS** are larger than **PyP-PDMS**, because of the

introduction of the nucleobase. Moreover, no chain coupling or fracturing occurred after the aza-Michael reaction. These all indicate that both **A-PDMS** and **T-PDMS** were successfully synthesized.

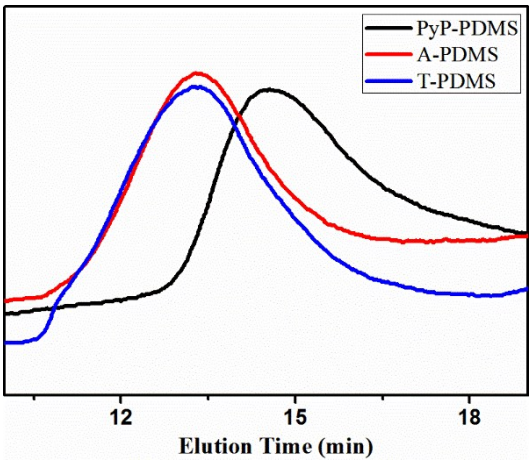

Fig. S2 GPC chromatograms of **PyP-PDMS**, **A-PDMS** and **T-PDMS**.