Fig. S1 FT-IR spectra of (1) 5a; (2) 5b; (3) 5c; (4) 5d; (5) the neat chiral salen Mn(III)Cl.

Fig. S2 UV-vis spectra of (1) 5a; (2) 5b; (3) 5c; (4) 5d; (5) chiral salen Mn(III)Cl.
UV-vis spectra of 5d

Fig. S3 TG curves of the catalyst 5d (B).
**Fig. S4** The nitrogen adsorption-desorption isotherm and pore distribution of the supported catalyst 6d.

**Fig. S5** SEM images of 5d.
Fig. S6 Caption TEM photograph of the heterogeneous catalyst 5d.

Entry 5 in Table 2
Entry 15 in Table 2