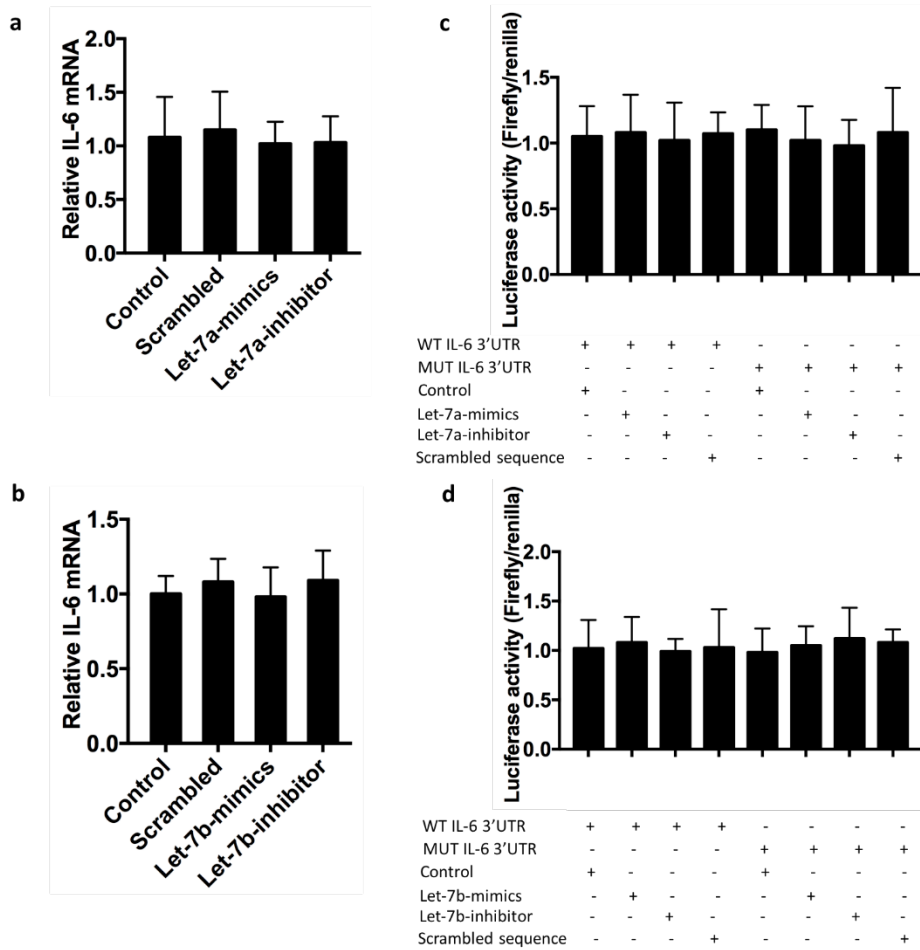
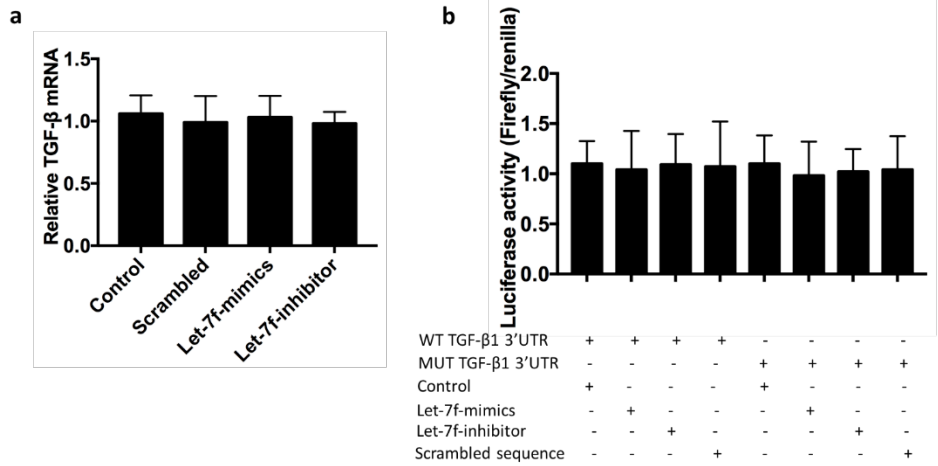


Supplementary figure 1. The role of let-7f in BM-MSCs from healthy subjects. (a) Expression levels of let-7f at 12, 24, 48, 72 and 168 hours in let-7 related oligonucleotide transfected BM-MSCs. (b-c) Proportions of Th1 cells (b, IFN- γ ⁺/CD4⁺ T cells) and Th2 cells (c, IL-4⁺/CD4⁺ T cells) after co-culturing of pre-stimulated PBMCs with let-7f-related BM-MSCs. (d) The ratio of Treg (CD25⁺Foxp3⁺/CD4⁺ T cells) to Th17 (IL-17A⁺/CD4⁺ T cells) after co-culturing of pre-stimulated naïve T cells with let-7f-related BM-MSCs. All data are means \pm SEM. n=6. * p < 0.05, ** p < 0.01, *** p < 0.001.



Supplementary figure 2. (a, b) IL-6 mRNA levels in various let-7a (a) or let-7b (b) related BMSCs. (c, d) The IL-6 3'-UTR is not involved in let-7a (c) and let-7b (d) regulated gene expression. All data represent the mean \pm SEM. n = 6, *P<0.05, **P<0.01, ***P<0.001.



Supplementary figure 3. (a) TGF-β mRNA levels in various ectopic let-7f oligonucleotide sequence transfected BM-MSCs. (c, d) The TGF-β 3'-UTR is not involved in let-7f regulated gene expression. All data represent the mean ± SEM. n = 6.