



b

| Genes | CON | TOE |
|--------|-----------|-----------|
| Pdgfra | 1373±988 | 2619±1113 |
| Pdgfrb | 1405±624 | 1886±759 |
| Lepr | 3599±769 | 2208±238 |
| Nestin | 35±3 | 36±1 |
| Ng2 | 90±23 | 67±9 |
| Cxcl12 | 7341±572 | 6186±898 |
| Scf | 3589±1454 | 2828±453 |

c Mouse fibrosis genes

| | | |
|---------|-----------|----------|
| Acta2 | Il5 | Serpine1 |
| Agt | Ilk | Serpinh1 |
| Akt1 | Inhbe | Smad2 |
| Bcl2 | Itga1 | Smad3 |
| Bmp7 | Itga2 | Smad4 |
| Cav1 | Itga3 | Smad6 |
| Ccl11 | Itgav | Smad7 |
| Ccl12 | Itgb1 | Snai1 |
| Ccl3 | Itgb3 | Sp1 |
| Ccr2 | Itgb5 | Stat1 |
| Cebpb | Itgb6 | Stat6 |
| Col1a2 | Itgb8 | Tgfb1 |
| Col3a1 | Jun | Tgfb2 |
| Ctgf | Lox | Tgfb3 |
| Cxcr4 | Ltbp1 | Tgfbr1 |
| Dcn | Mmp13 | Tgfbr2 |
| Edn1 | Mmp14 | Tgif1 |
| Egf | Mmp1a | Thbs1 |
| Eng | Mmp2 | Thbs2 |
| Fasl | Mmp3 | Timp1 |
| Grem1 | Mmp8 | Timp2 |
| Gusb | Mmp9 | Timp3 |
| Hgf | Myc | Timp4 |
| Ifng | Nfkb1 | Tnf |
| Il10 | Pdgfa | Vegfa |
| Il13 | Pdgfb | |
| Il13ra2 | Plat | |
| Il1a | Plau | |
| Il1b | Plg | |
| Il4 | Serpina1a | |

d Mouse osteogenesis genes

| | | |
|---------|--------|----------|
| Acvr1 | Ctsk | Serpinh1 |
| Ahsg | Dlx5 | Smad1 |
| Alpl | Egf | Smad2 |
| Anxa5 | Fgf1 | Smad3 |
| Bglap | Fgf2 | Smad4 |
| Bgn | Fgfr1 | Smad5 |
| Bmp1 | Fgfr2 | Sost |
| Bmp2 | Flt1 | Sox9 |
| Bmp3 | Fn1 | Sp7 |
| Bmp4 | Gdf10 | Spp1 |
| Bmp5 | Gli1 | Tgfb1 |
| Bmp6 | Icam1 | Tgfb2 |
| Bmp7 | Igf1 | Tgfb3 |
| Bmpr1a | Igf1r | Tgfbr1 |
| Bmpr1b | Ihh | Tgfbr2 |
| Bmpr2 | Itga2 | Tgfbr3 |
| Cd36 | Itga2b | Tnf |
| Cdh11 | Itga3 | Tnfsf11 |
| Chrd | Itgam | Twist1 |
| Col10a1 | Itgav | Vacm1 |
| Col14a1 | Itgb1 | Vegfa |
| Col1a1 | Mmp10 | Vegfb |
| Col2a1 | Mmp2 | |
| Col3a1 | Mmp8 | |
| Col4a1 | Mmp9 | |
| Col5a1 | Nfkb1 | |
| Comp | Nog | |
| Csf1 | Pdgfa | |
| Csf2 | Phex | |
| Csf3 | Runx2 | |

Figure S4