|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | WT chondrocytes | Scrambled-miRNA chondrocytes | *Piezo1*-miRNA chondrocytes | *Trpv4-/-*chondrocytes | *Piezo1*-miRNA in *Trpv4-/-* chondrocytes |
| Number of litters | 3 | 2 | 2 | 3 | 2 |
| Cell patches | 12 | 11 | 10 | 7 | 7 |
| Maximal current (pA) mean (± s.e.m.) | 45.2 ± 7.5 | 72.8 ± 14.3  vs WT chondrocytes NS | 4.1 ± 0.8  vs Scrambled miRNA chondrocytes \*\*\* *P*=0.0002 | 51.4 ± 12.9  vs WT chondrocytes NS | 5.2 ± 0.9  vs Scrambled miRNA chondrocytes \*\* *P*=0.002  vs *Piezo1* miRNA chondrocytes NS |

Source Data Figure 6