Supplementary Table 2: Average raw CT values (± SEM) of genes associated with inflammation and pain in whole knees 10 weeks after PMX or sham surgery

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Gene | M Sham Wk10  CT±SEM | | | M PMX Wk10 CT±SEM | | | F Sham Wk 10 CT±SEM | | | F PMX Wk 10 CT±SEM | | |
| Gapdh (control) | 15.27 | ± | 0.15 | 15.55 | ± | 0.41 | 15.91 | ± | 0.30 | 15.92 | ± | 0.15 |
| Inflammatory  Ccl19 | 26.60 | ± | 0.14 | 26.53 | ± | 0.82 | 26.34 | ± | 0.26 | 26.48 | ± | 0.11 |
| Ccl2 | 26.73 | ± | 0.08 | 27.06 | ± | 0.89 | 26.90 | ± | 0.08 | 26.88 | ± | 0.25 |
| Ccr2 | 21.51 | ± | 0.10 | 21.67 | ± | 0.51 | 22.26 | ± | 0.13 | 22.13 | ± | 0.12 |
| Ccr7 | 27.38 | ± | 0.10 | 27.86 | ± | 0.74 | 27.18 | ± | 0.10 | 26.91 | ± | 0.14 |
| Cd14 | 25.96 | ± | 0.12 | 25.92 | ± | 0.62 | 26.22 | ± | 0.14 | 26.11 | ± | 0.12 |
| Il10 | 29.11 | ± | 0.37 | 29.01 | ± | 0.74 | 29.19 | ± | 0.11 | 28.56 | ± | 0.21 |
| Il15 | 23.93 | ± | 0.24 | 24.77 | ± | 0.72 | 25.01 | ± | 0.15 | 24.49 | ± | 0.20 |
| Il1r1 | 24.91 | ± | 0.08 | 24.52 | ± | 0.50 | 25.24 | ± | 0.10 | 24.71 | ± | 0.23 |
| Il2 | 31.73 | ± | 0.46 | 32.15 | ± | 0.60 | 32.77 | ± | 0.11 | 32.45 | ± | 0.49 |
| Il4 | 28.07 | ± | 0.02 | 28.89 | ± | 0.86 | 29.22 | ± | 0.40 | 28.49 | ± | 0.10 |
| Il6 | 27.85 | ± | 0.26 | 28.47 | ± | 0.74 | 28.60 | ± | 0.30 | 28.28 | ± | 0.22 |
| Il6ra | 24.22 | ± | 0.24 | 24.33 | ± | 0.57 | 24.63 | ± | 0.27 | 24.06 | ± | 0.08 |
| Nos2 | 30.61 | ± | 0.32 | 31.17 | ± | 0.42 | 31.85 | ± | 0.24 | 31.49 | ± | 0.14 |
| Tnf | 25.66 | ± | 0.12 | 25.45 | ± | 0.44 | 25.92 | ± | 0.13 | 25.56 | ± | 0.09 |
| Pain  Bdkrb1 | 30.48 | ± | 0.09 | 29.52 | ± | 0.63 | 30.34 | ± | 0.12 | 29.75 | ± | 0.32 |
| Bdkrb2 | 30.74 | ± | 0.16 | 30.48 | ± | 0.73 | 30.91 | ± | 0.17 | 30.68 | ± | 0.22 |
| Cnr1 | 28.65 | ± | 0.16 | 29.27 | ± | 0.76 | 29.09 | ± | 0.19 | 29.01 | ± | 0.05 |
| Cnr2 | 24.65 | ± | 0.10 | 24.59 | ± | 0.64 | 24.88 | ± | 0.09 | 24.61 | ± | 0.10 |
| Gal | 29.63 | ± | 0.25 | 30.32 | ± | 1.30 | 30.07 | ± | 0.34 | 29.85 | ± | 0.11 |
| Gdnf | 31.26 | ± | 0.22 | 31.86 | ± | 0.87 | 32.55 | ± | 0.64 | 31.25 | ± | 0.10 |
| Ngf | 29.74 | ± | 0.02 | 29.23 | ± | 0.49 | 29.56 | ± | 0.10 | 29.00 | ± | 0.36 |
| Npy | 28.03 | ± | 0.36 | 28.17 | ± | 0.75 | 27.61 | ± | 0.20 | 28.34 | ± | 0.12 |
| Nrtn | 27.52 | ± | 0.19 | 27.61 | ± | 0.42 | 29.86 | ± | 0.50 | 27.24 | ± | 0.36 |
| Ntf3 | 27.28 | ± | 0.33 | 27.68 | ± | 0.74 | 28.04 | ± | 0.25 | 27.19 | ± | 0.30 |
| Ntf5 | 29.14 | ± | 0.28 | 31.45 | ± | 0.99 | 31.72 | ± | 0.50 | 30.29 | ± | 0.27 |
| Penk | 24.96 | ± | 0.25 | 25.03 | ± | 0.51 | 26.00 | ± | 0.26 | 25.85 | ± | 0.15 |
| Pspn | 30.85 | ± | 0.19 | 30.69 | ± | 0.57 | 29.18 | ± | 0.55 | 30.89 | ± | 0.62 |
| Tac1 | 29.61 | ± | 0.08 | 30.08 | ± | 0.85 | 29.89 | ± | 0.30 | 29.42 | ± | 0.22 |
| Tacr1 | 31.61 | ± | 0.22 | 30.94 | ± | 0.62 | 31.68 | ± | 0.61 | 31.01 | ± | 0.28 |

\*n=5 for PMX, n=3 for sham surgery.