Supplementary Table 2. Statistics (log 10) for gene expression data.

| Gene name | ank1$^{+/+}$ Mean  | ank1$^{+/27ins}$ Mean | ank1$^{27ins/27ins}$ Mean | F (DFn, DFd) | p      |
|-----------|---------------------|------------------------|---------------------------|-------------|--------|
|           | SD                  | SD                     | SD                        |             |        |
| ankki     | 3.99351E-07 0.5807945 | -4.91904 1.610936       | -6.925562 3.41016         | F (2, 11) = 13.86 | 0.001* |
| drd1      | -6.55651E-08 5.141269 | 6.199594 2.550406       | -0.3409315 0.8468519      | F (2, 11) = 5.336 | 0.024  |
| drd2a     | -4.05312E-07 2.04459  | 0.5226158 1.439238      | -0.9210827 1.731454       | F (2, 11) = 0.7566 | 0.4922 |
| drd2b     | 1.18613E-06 0.8386233 | -0.2607388 1.32328      | 5.354655 0.6617051        | F (2, 11) = 42.56  | < 0.0001* |
| drd3      | -1.39475E-06 0.7111623 | 0.3791922 1.215033      | -3.205326 6.092118        | F (2, 11) = 1.535  | 0.2582 |
| drd4a     | 1.43051E-06 4.102798  | 1.682233 2.357038       | -0.5451202 0.7565644      | F (2, 11) = 0.7572  | 0.4919 |
| drd4b     | 4.52995E-07 2.643887  | -1.410188 2.102053      | -5.62743 5.208304         | F (2, 11) = 3.213  | 0.0796 |
| drd5      | 5.48363E-07 4.678932  | -2.098101 3.161005      | -4.780843 2.992601        | F (2, 11) = 1.809  | 0.2093 |
| slc6a3    | -3.57628E-07 3.790946 | 1.426936 2.386752       | -0.6109747 1.874648       | F (2, 11) = 0.6118  | 0.5598 |
| dbh       | -4.05312E-07 1.873834 | 0.903142 1.067044       | 0.6820229 2.032615        | F (2, 11) = 0.3888  | 0.6868 |

Legend: * significant effects.