Table S1. Clinical and biochemical characters of the ten patients who received PTx with forearm autograft

|  |  |
| --- | --- |
| Characteristic | Value |
| Age(years) | 51.10±6.92 |
| Gender (male/female) | 3/7 |
| HD vintage (years) | 10.20±4.24 |
| HD frequency (Times/week) | 3.0±0.0 |
| **Pre-PTx serumbiochemical indices** |  |
| Corrected Ca (mg/dl) | 2.57±0.27 |
| Phosphate (mg/dl) | 2.00±0.44 |
| Intact PTH (pg/ml) | 1870.19±560.69 |
| **Post-PTx serumbiochemical indices** |  |
| Corrected Ca (mg/dl) | |  | | --- | | 2.39±0.15 | |
| Phosphate (mg/dl) | |  | | --- | | 1.70±0.54 | |
| Intact PTH (pg/ml) | |  | | --- | | 19.18±24.64 | |

Table S2. The human gene primer pairs and sequences for RT-PCR are listed.

|  |  |  |
| --- | --- | --- |
| Gene | Forward primer | Reverse primer |
| USP12 | 5’-AACACTTCAGGTGATGCCA-3’ | 5’-ATTGGGACCACTTCCACAG-3’ |
| CIDEA | 5’-TCAGCAAGACTCTGGATGC-3’ | 5’-ACTCTTCTGTGTCCACCAC-3’ |
| PCOLCE2 | 5’-CAAGTGACTTTGTATTAGCCGG-3’ | 5’-TGATGATCGAGACTGTGGC-3’ |
| CAPZA1 | 5’-TATTCAATGACGTTCGGCT-3’ | 5’-TGTTATACTGGGCAAATGCA-3’ |
| ACCN2 | 5’-TCCGCTTTAGCCAAGTCTC-3’ | 5’-GTATCTCATACCTGTTGTTGAGC-3’ |

Table S3. The rat gene primer pairs and sequences for RT-PCR are listed.

|  |  |  |
| --- | --- | --- |
| Gene | Forward primer | Reverse primer |
| USP12 | 5’-TAACACTTCAGGAGACGCA-3’ | 5’-ATTGGGACCACTTCCACAG-3’ |
| CIDEA | 5’-GAGTTCTTTCAGACCCTAAGAG-3’ | 5’-ATACTTATTGCCCGGTGTC-3’ |
| PCOLCE2 | 5’-CGAAGAACCAGCTCATAGAG-3’ | 5’-CAGCCACGTAGTCATATCTG-3’ |
| CAPZA1 | 5’-CATTTGCCCAGTATAACATGGA-3’ | 5’-CATGCTCTGTAATTAAGACCTGG-3’ |
| ACCN2 | 5’-AGCAGAGGCTCATCTACCT-3’ | 5’-TGTAGGAGTCGAAGAAATCCG-3’ |