

Table S3. Karyotypic analysis of iPSCs

| Cell ID    | Passage | Karyotype                           | Cell number |
|------------|---------|-------------------------------------|-------------|
| MRC5       |         | 46,XY                               | 17          |
|            |         | 46,XY,+8                            | 1           |
|            |         | 46,XY,+10                           | 1           |
|            |         | 92,XXYY                             | 1           |
| MRC-iPS-25 | 10      | 46,XY                               | 20          |
|            | 43      | 46,XY                               | 20          |
| MRC-iPS-91 | 45      | 46,XY                               | 20          |
| AM-iPS-3   | 8       | 46,XX                               | 20          |
|            | 43      | 46,XX                               | 20          |
|            | 63      | 46,XX                               | 20          |
| AM-iPS-5   | 7       | 46,XX                               | 20          |
|            | 53      | 46,XX                               | 20          |
| AM-iPS-6   | 7       | 46,XX                               | 20          |
|            |         | 46,XX,-3,+1mar                      | 1           |
|            |         | 46,XX,add(8)(p23)                   | 1           |
|            | 53      | 46,XX                               | 20          |
| AM-iPS-8   | 18      | 46,XX                               | 20          |
| AM-iPS-13  | 9       | 46,XX                               | 19          |
|            |         | 44,XX,-5,-11,-14,-18,+2mar          | 1           |
| AM-iPS-20  | 10      | 46,XX                               | 19          |
|            |         | 92,XXXX                             | 1           |
| Edom22     | 5       | 46,XX                               | 20          |
| Edom-iPS-1 | 22      | 46,XX                               | 20          |
| Edom-iPS-2 | 21      | 46,XX                               | 20          |
| Edom-iPS-3 | 20      | 46,XX                               | 20          |
| PAE551     | 13      | 46,XY                               | 20          |
| PAE-iPS-1  | 9       | 46,XY                               | 18          |
|            |         | 46,XY,inv(10)(p11.2q22)             | 1           |
|            |         | 46,XY,t(1;6)(p36.1;q25)             | 1           |
| PAE-iPS-4  | 9       | 46,XY                               | 20          |
| PAE-iPS-5  | 7       | 46,XY                               | 20          |
| PAE-iPS-11 | 9       | 46,XY                               | 19          |
|            |         | 45,XY,t(7;11)(q32;q25),-16,-20,+mar | 1           |
|            | 30      | 46,XY                               | 20          |
|            | 8       | 46,XX                               | 12          |
|            |         | 46,XX,del(4q)                       | 1           |
| UtE-iPS-4  | 16      | 46,XX                               | 20          |
|            | 33      | 46,XX                               | 20          |
| UtE-iPS-6  | 10      | 46,XX                               | 20          |
| UtE-iPS-7  | 9       | 46,XX                               | 19          |
|            |         | 46,XX,del(9)(q11)                   | 1           |
| UtE-iPS-11 | 9       | 46,XX                               | 20          |
|            | 30      | 46,XX                               | 20          |