**Table S1**. Erectile dysfunction datasets (GSE10804)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Simple** | **Origin** | **Source name** | **Cell type** | **Used in comparison** |
| GSM272854 | corpus cavernosum | HCCEC | HCCEC from donor with ED | ED |
| GSM272860 | corpus cavernosum | HCCEC | HCCEC from donor with ED | ED |
| GSM272861 | corpus cavernosum | HCCEC | HCCEC from donor with ED | ED |
| GSM272862 | corpus cavernosum | HCCEC | HCCEC from donor with ED | ED |
| GSM272863 | Umbilical vein | HUVEC | HUVEC from donor without ED | Non\_ED |
| GSM272864 | Umbilical vein | HUVEC | HUVEC from donor without ED | Non\_ED |
| GSM272865 | Umbilical vein | HUVEC | HUVEC from donor without ED | Non\_ED |
| GSM272866 | Coronary artery | HCAEC | HCAEC from donor without ED | Non\_ED |
| GSM272867 | Coronary artery | HCAEC | HCAEC from donor without ED | Non\_ED |
| GSM272868 | Coronary artery | HCAEC | HCAEC from donor without ED | Non\_ED |
| GSM272870 | Coronary artery | HCAEC | HCAEC from donor without ED | Non\_ED |
| GSM272859 | corpus cavernosum | HCCEC | HCCEC from donor without ED | Non\_ED |

ED: erectile dysfunction; non\_ED: without erectile dysfunction