Supplementary Table S3. Summary of the result of metadata analysis of breast cancer cell line.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Cell line** | **Clinical Subtypes** | **Molecular Subtype** | **Tumor** | **Scores of gene expression** |
| **ER** | **PR** | **HER2** | **IL-6** | **IL-8** | **IL-15** | **FGF2** | **HBEGF** | **TGFB** |
| **HCC1143** | N | N | N | Basal A | DC | +++ | ++++ | ++ | ++ | ++ | ++ |
| **HCC1937** | N | N | N | Basal A | DC | ++ | + | ++ | +++ | +++ | ++ |
| **MDAMB436** | N | N | N | Basal A | AC | ++++ | ++++ | +++ | +++ | ++ | ++ |
| **MDAMB468** | N | N | N | Basal A | AC | ++ | +++ | ++ | ++ | ++ | ++ |
| **BT549** | N | N | N | Basal B | IDC | +++ | ++++ | ++ | ++++ | +++ | +++ |
| **HCC1395** | N | N | N | Basal B | DC | +++ | +++ | + | ++ | ++ | +++ |
| **Hs578T** | N | N | N | Basal B | IDC | +++ | ++++ | ++ | +++ | +++ | +++ |
| **MCF7** | P | P | N | Luminal A | IDC | + | + | + | + | ++ | +++ |
| **MDAMB134VI** | P | N | N | Luminal A | IDC | + | + | + | + | ++ | ++ |
| **MDAMB175VII** | P | N | N | Luminal A | IDC | + | ++ | + | + | ++ | ++ |
| **MDAMB415** | P | P/N | N | Luminal A | AC | + | + | ++ | + | ++ | + |
| **T47D** | P | P | N | Luminal A | IDC | + | + | + | + | ++ | + |
| **ZR751** | P | P/N | N | Luminal A | IDC | + | + | + | + | ++ | + |
| **BT474** | P | P | P | Luminal B | IDC | + | + | + | + | ++ | + |
| **MDAMD453** | N | N | P | HER2 Positive | AC | + | + | + | + | ++ | + |
| **SKBR3** | N | N | P | HER2 Positive | AC | + | + | ++ | + | ++ | + |

P: positive, N: Negative, P/N: positive or negative

++++: scores more than or equal to10

+++: scores more than or equal to 7.5 and less than 10

++: scores more than or equal to 5 and less than 7.5

+: scores less than 5