Supplementary Table 1. Comparison of immunohistochemical expressions of PDGFR-β in BM and matched primary BC samples.

|  |  |  |  |
| --- | --- | --- | --- |
|   | Matched primary BC | Total | *Kappa* value |
| Score 1 | Score 2 | Score 3 |
| BM  | Score 1 | 0 | 3 | 2 | 5 | 0.170 |
| Score 2 | 0 | 4 | 2 | 6 |
| Score 3 | 1 | 1 | 5 | 7 |
| Total | 1 | 8 | 9 | 18 |   |

BC; breast cancer, BM; brain metastasis, CAF; cancer-associated fibroblast, PDGFR-β; platelet-derived growth factor receptor-beta

Supplementary Table 2. Comparison of immunohistochemical expressions of α-SMA in BM and matched primary BC samples.

|  |  |  |  |
| --- | --- | --- | --- |
|   | Matched primary BC | Total | *Kappa* value |
| Score 1 | Score 2 | Score 3 |
| BM  | Score 1 | 0 | 0 | 4 | 4 | 0.148 |
| Score 2 | 0 | 4 | 1 | 5 |
| Score 3 | 0 | 3 | 6 | 6 |
| Total | 0 | 7 | 11 | 18 |   |

BC; breast cancer, BM; brain metastasis, α-SMA; alpha-smooth muscle actin, CAF; cancer-associated fibroblast

Supplementary Table 3. Comparison of immunohistochemical expressions of PDGFR-β and α-SMA in stromal CAFs of 18 primary BC samples.

|  |  |  |  |
| --- | --- | --- | --- |
|   | α-SMA | Total | *Kappa* value |
| Score 1 | Score 2 | Score 3 |
| PDGFR-β | Score 1 | 0 | 0 | 1 | 1 | 0.091 |
| Score 2 | 0 | 5 | 3 | 8 |
| Score 3 | 0 | 2 | 7 | 9 |
| Total | 0 | 7 | 11 | 18 |   |

BC; breast cancer, α-SMA, alpha-smooth muscle actin; CAF, cancer-associated fibroblast; PDGFR-β, platelet-derived growth factor receptor-beta