**Supplementary Table 1:**

**Survival analyses of HOXB3 in breast cancer.**

|  |  |  |
| --- | --- | --- |
| **survival** | **breast cancer** | **triple-negative breast cancer** |
| **N** | **HR (95%CI)** | **P** | **N** | **HR (95%CI)** | **P** |
| **RFS 208414\_s\_at** **228904\_at** | 1764 | 0.80 (0.72-0.89)0.69 (0.59-0.81) | **6e-05****4.1e-06** | 161 | 1.38 (0.88-2.17)1.34 (0.75-2.40) | 0.160.32 |
| **OS 208414\_s\_at** **228904\_at** | 626 | 0.83 (0.66-1.05)0.66 (0.47-0.94) | 0.13**0.02** | 0 | // | // |
| **DMFS 208414\_s\_at** **228904\_at** | 664 | 1.14 (0.94-1.38)1.25 (0.90-1.74) | 0.190.18 | 28 | 3.18 (0.76-13.34)8.47 (0.94-75.88) | 0.095**0.022** |
| **PPS 208414\_s\_at****228904\_at** | 173 | 0.81 (0.61-1.05)1.35 (0.94-1.94) | 0.110.11 | 0 | // | // |

Kaplan-Meier Plotter auto select best cutoff to split patients (all possible cutoff values between the lower and upper quartiles are computed, and the best performing threshold is used as a threshold). Bold values indicated P<0.05. N represents number of included patients. RFS, recurrence free survival; OS, overall survival; DMFS, distant metastasis free survival; PPS, post progression survival; HR, hazard ratio; CI, confidence interval.