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| S4 Table. Sensitivity analysis on associations between different combined groups of clinical and genetic factors and disease-free survival (DFS) in breast cancer patients subtypes with stage I-III |
|   | Discovery set | Replication set |
| HRa | (95% CI) | *P*Log-rank | HRa | (95% CI) | *P*Log-rank |
| Group by RPA among HR+ HER2- breast cancer patients |
|  Group 1: TNM stage 0-II and rs166870CC+CT | 1.00 | ref. | 2.61×10-11 | 1.00 | ref. | 7.47×10-08 |
|  Group 2: TNM stage 0-II and rs166870TT | 5.37 | (1.94-14.88) |  | 2.04 | (0.92-4.53) |  |
|  Group 3: TNM stage III and rs166870CC+CT | 3.31 | (2.09-5.24) |  | 0.63 | (0.63-14.81) |  |
|  Group 4: TNM stage III and rs166870TT | 9.60 | (1.31-70.59) |  | 2.94 | (2.94-17.87) |  |
| Group by RPA among HR- HER2- breast cancer patients |
|  Group1: rs10825036TT+TG | 1.00 | ref. | 1.66×10-04 | 1.00 | ref. | 2.05×10-02 |
|  Group2: rs10825036GG | 3.49 | (1.80-6.76) |  | 2.19 | (1.11-4.33) |  |
| Abbreviations: DFS, disease-free survival; HR, hazard ratio; CI, confidence interval; RPA, recursive partitioning analysis; HR, hormone receptor; HER2, human epidermal growth factor receptor 2. |
| aCox proportional hazard model adjusted for age and recruiting center, and TNM stage. |
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