



**Supplementary Figure 2.** High conventional area under the curve (AUC) of receiver operating characteristic (ROC) for 131 samples from the Memorial Sloan Kettering Cancer Center (MSKCC) validation data set.

For the MSKCC data set (the fourth validation data, 131 patients in total and 9 patients with metastasis) with no information on follow-up time, the conventional AUC for iPAM (improved Prediction Analysis of Microarray) classifier calculated based on binary metastasis status was 0.86 with 95% CI of 0.73–0.99.