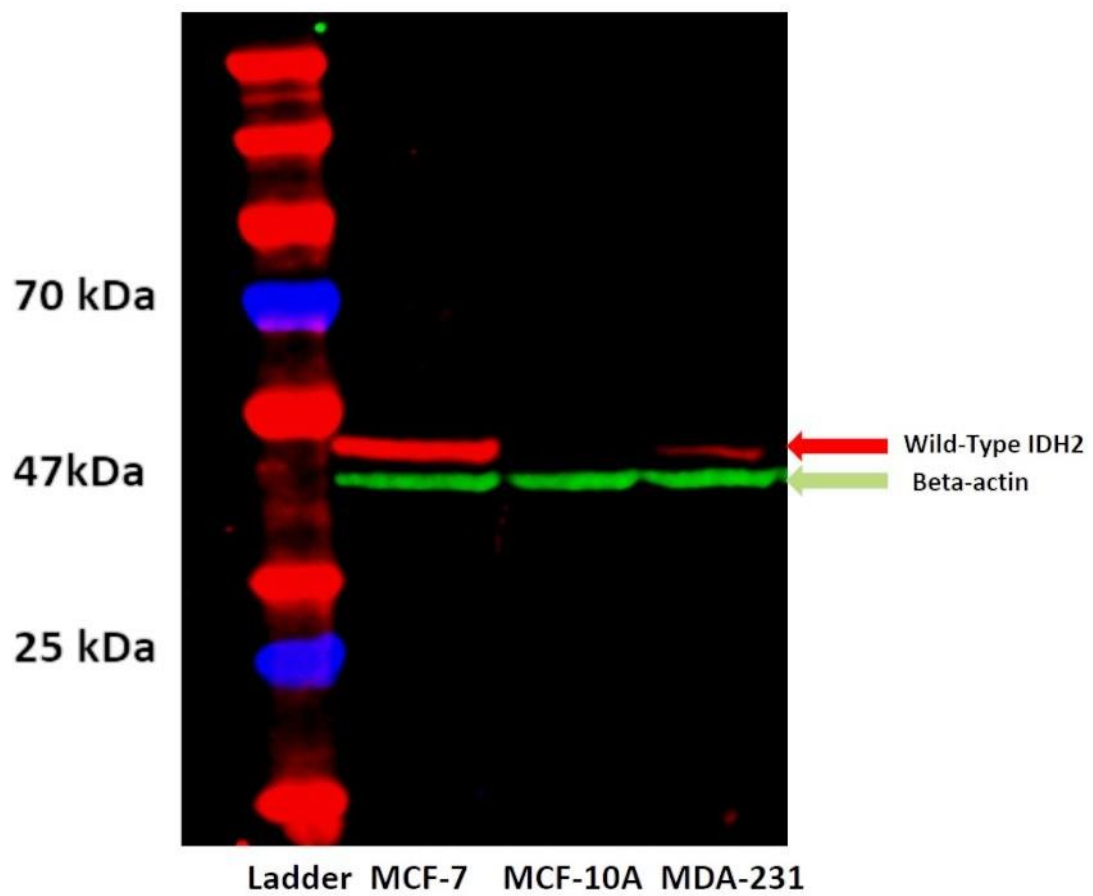
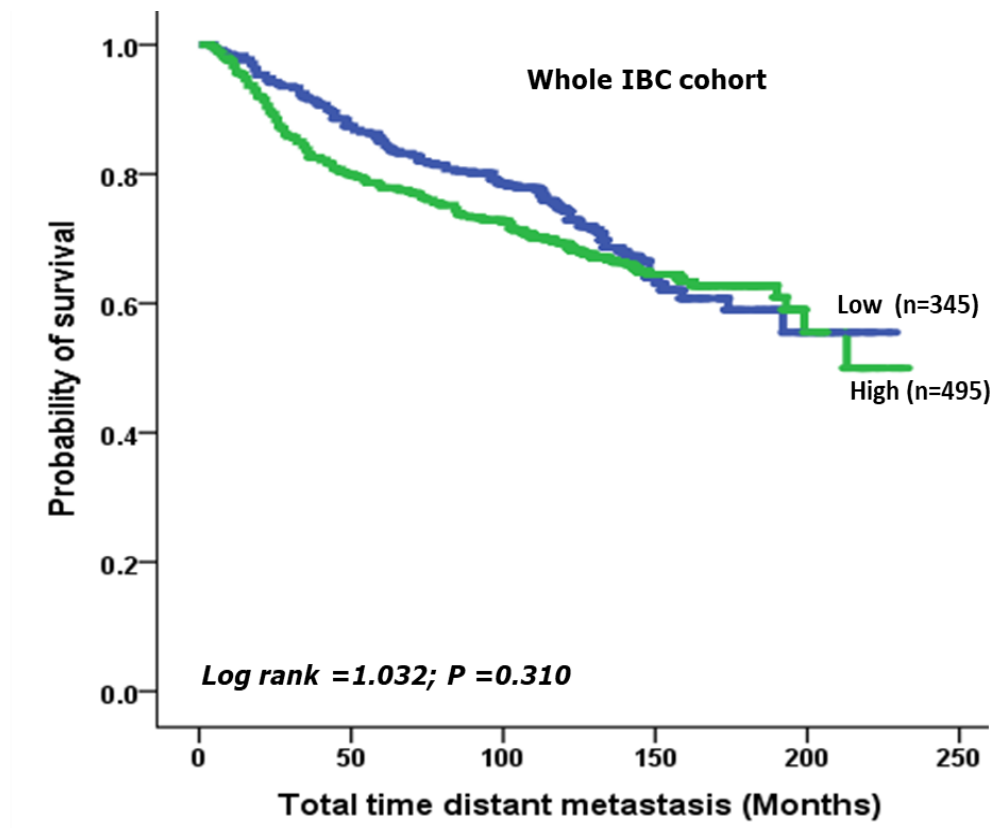
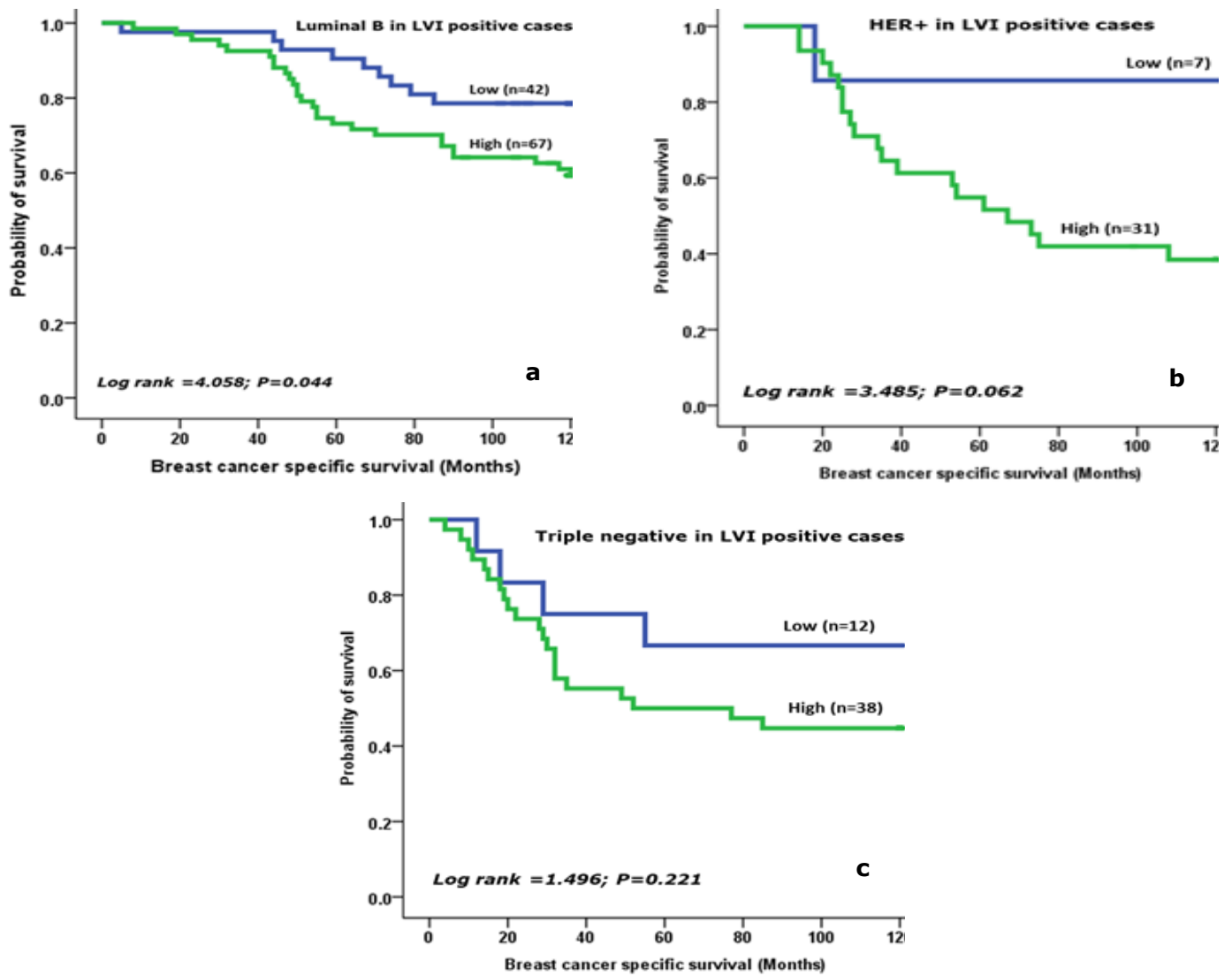




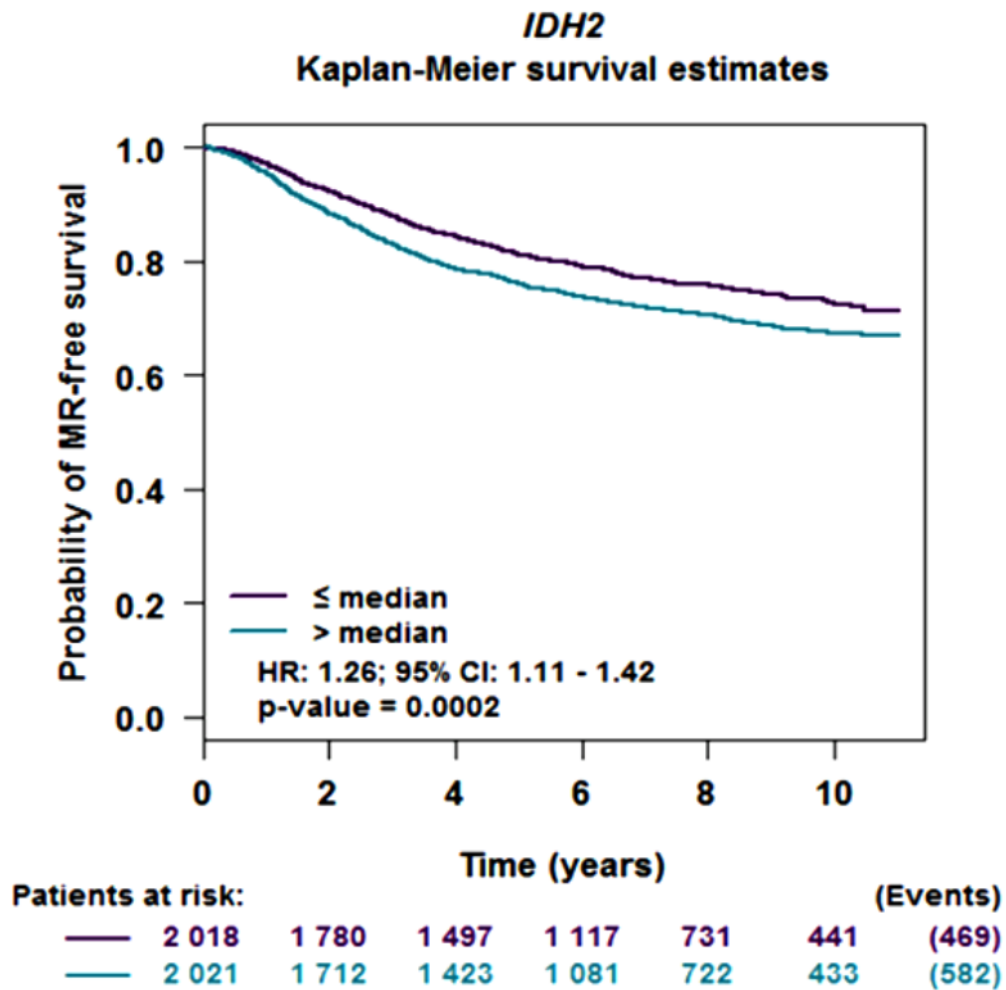
Supplementary Figure (1): Western blotting image showing a single specific band for IDH2 protein antibody at the predicted molecular weight (~ 47 kDa).



Supplementary Figure (2): Kaplan–Meier survival plot showing the association between the IDH2 protein expression and distance metastasis free survival



Supplementary Figure (3): Kaplan-Meier survival plots showing the association between of IDH2 protein in different molecular classes in invasive breast cancer with positive lymphovascular invasion and the breast cancer specific survival in; a) luminal B b) HER2 enriched, and c) triple negative breast cancer groups.



Supplementary Figure (4): Kaplan-Meier survival plots showing the association between *IDH2* mRNA and patients' outcome in publicly available dataset; the (n=4039) Breast Cancer Gene-Expression Miner v4.2 (bc-GenExMiner v4.2)