### Additional file 5: Amplified genes restricted to HER2-negative components of HER2-heterogeneous breast cancers, whose expression is copy-number regulated in breast cancers of the TCGA dataset

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Tier 2: copy number-regulated genes (significant adjusted p-value and difference between diploid and amplified cases is 2 standard deviations (SDs) apart in both directions).

Tier 3: copy number-regulated genes (significant adjusted p-value and difference between diploid and amplified cases is 2 SDs apart in one but not both directions).