

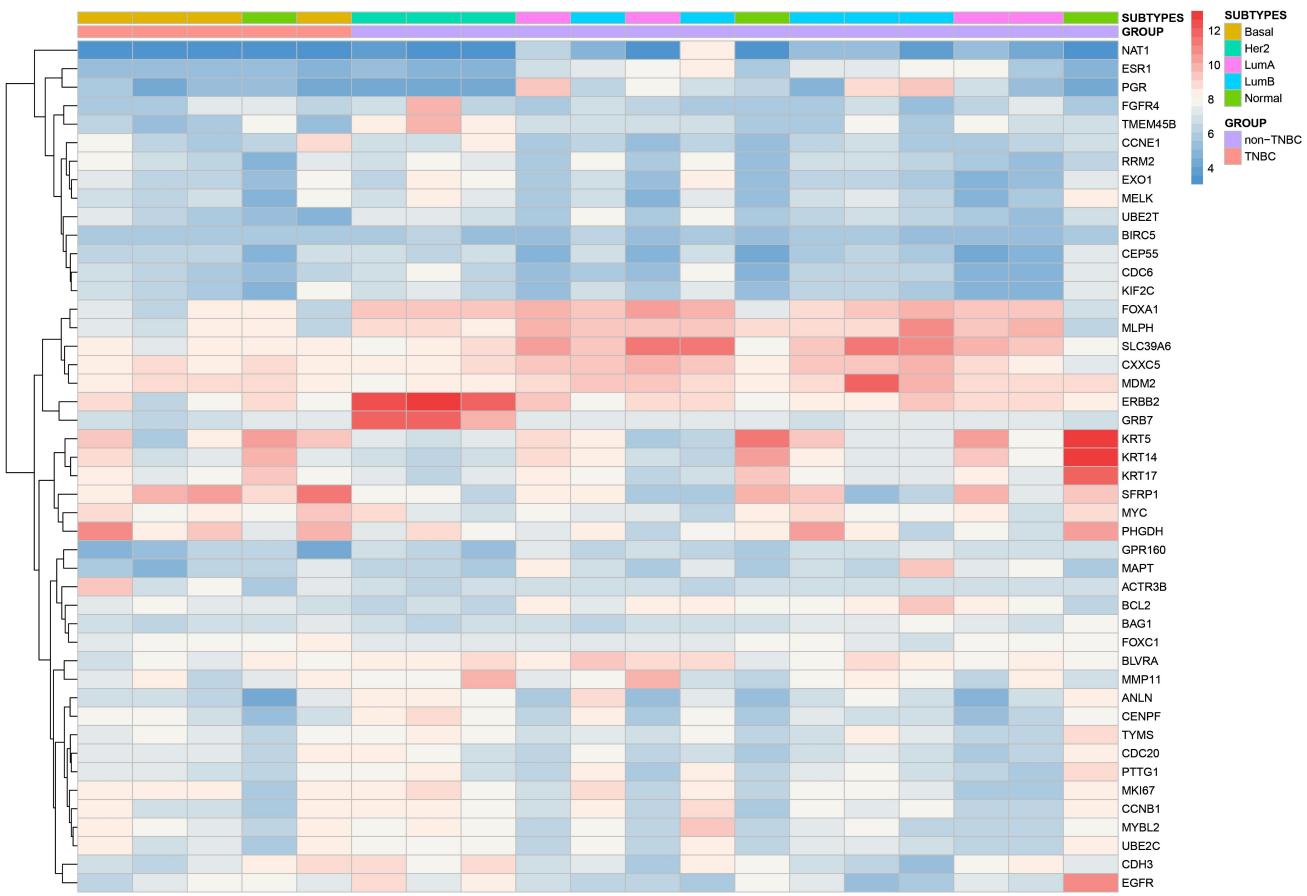
Supplementary Table 1. Details of the four GEO datasets.

Dataset	Samples		Platform	Microarray model
	TNBC	nTNBC		
GSE27447	5	14	GPL6244	[HuGene-1_0-st] Affymetrix Human Gene 1.0 ST Array
GSE39004	14	43	GPL6244	[HuGene-1_0-st] Affymetrix Human Gene 1.0 ST Array
GSE43358	17	40	GPL570	[HG-U133_Plus_2] Affymetrix Human Genome U133 Plus 2.0 Array
GSE45827	41	89	GPL570	[HG-U133_Plus_2] Affymetrix Human Genome U133 Plus 2.0 Array

Supplementary Table 2. Sequences of primers for qRT-PCR.

Gene symbol	Sequences of primers
CD3D	F: 5'-CATGGGTAGAGGGAACGGTG-3' R: 5'-ACAGCTCTGGCACATTCGAT-3'
CD3E	F: 5'-GCAGGCAAAGGGGACAAAAC-3' R: 5'-GCAGTGTCTCCAGAGGGTC-3'
CD3G	F: 5'-TCTACCAGCCCCTCAAGGAT-3' R: 5'-AGGAGGGAGAACACCTGGACTA-3'
FYN	F: 5'-GGAAAAAGACCAGTCCTGCCT-3' R: 5'-TCCCTCTCCTCCGTCAAGTTT-3'
GRAP2	F: 5'-TGGAAGACAGCACAAAGTCCA-3' R: 5'-TGCTGTAACGTGAAGCTTTGG-3'
ITK	F: 5'-GTGCTAAGAGGTGATGCCA-3' R: 5'-CGCTTCTTCCCAGACGATCT-3'
GAPDH	F: 5'-GGAGCGAGATCCCTCCAAAAT-3' R: 5'-GGCTGTTGTCATACTTCTCATGG-3'

GSE27447



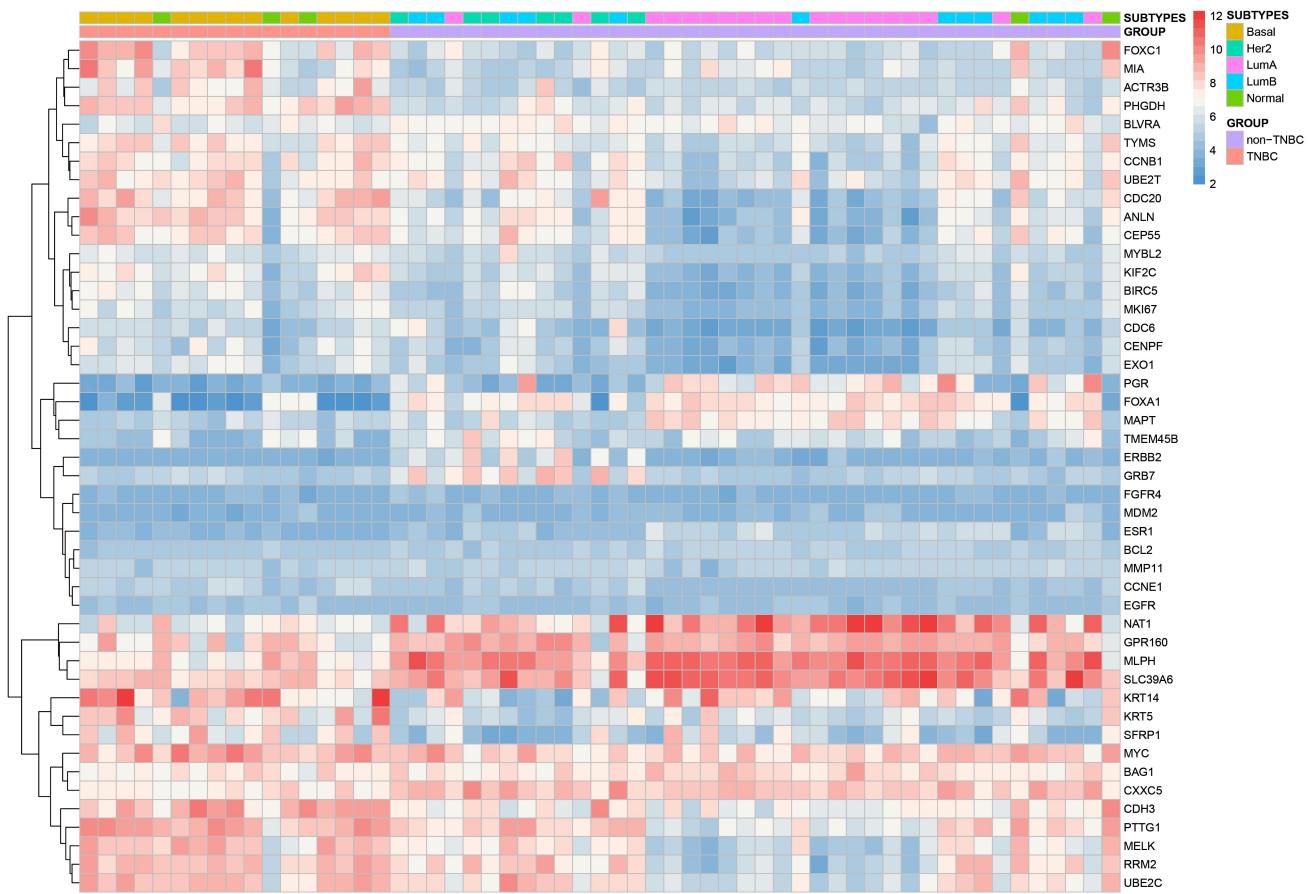
Supplementary Figure 1 Expression heatmap of 50 genes from PAM50 subtyping in microarray dataset GSE27447.

GSE39004



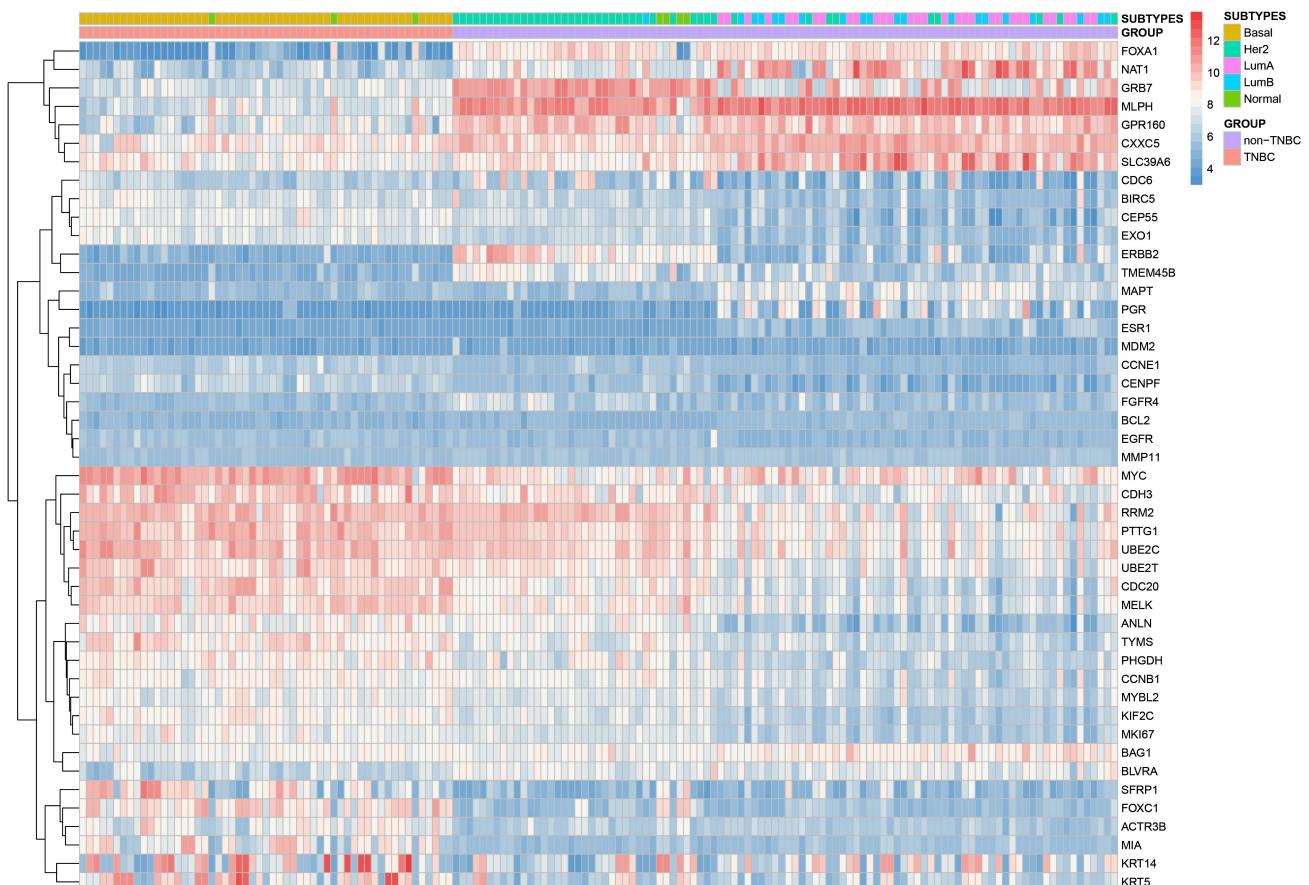
Supplementary Figure 2 Expression heatmap of 50 genes from PAM50 subtyping in microarray dataset GSE39004.

GSE43358



Supplementary Figure 3 Expression heatmap of 50 genes from PAM50 subtyping in microarray dataset GSE43358.

GSE45827



Supplementary Figure 4 Expression heatmap of 50 genes from PAM50 subtyping in microarray dataset GSE45827.