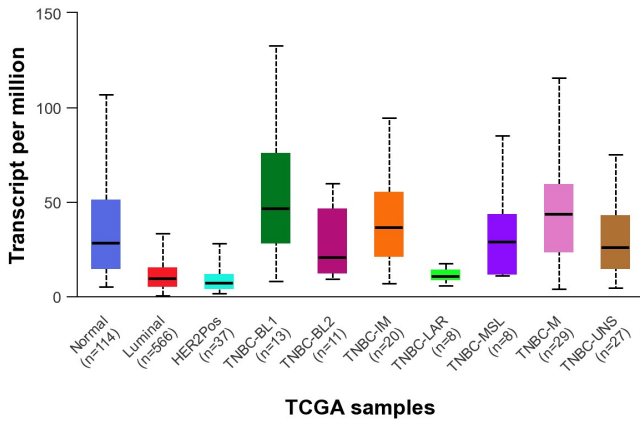
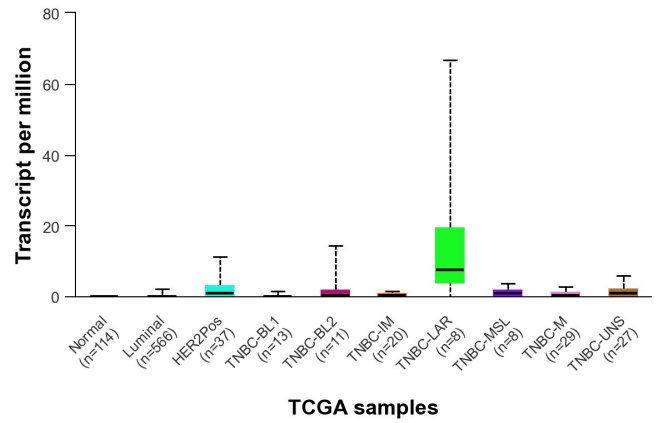


A Expression of FABP5 in BRCA based on Major subclasses (with TNBC types)



B Expression of FABP6 in BRCA based on Major subclasses (with TNBC types)



C Expression of FABP7 in BRCA based on Major subclasses (with TNBC types)

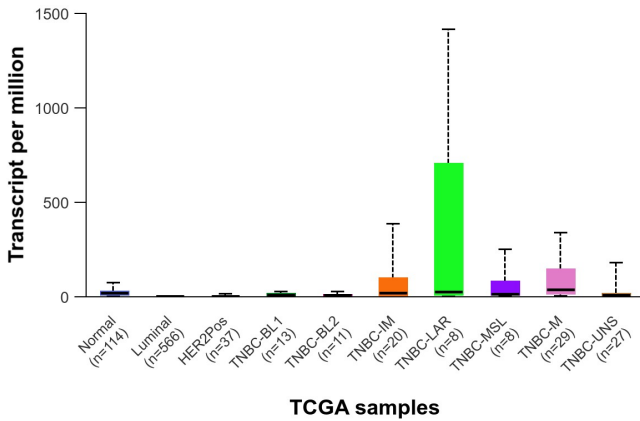


Figure S1 Box-and-whisker plots show mRNA expression levels across major breast cancer subclasses, including TNBC subtypes, using the UALCAN database. (A) FABP5 expression across TNBC subclasses. (B) FABP6 expression across TNBC subclasses. (C) FABP7 expression across TNBC subclasses. Statistical significance was assessed using Student's *t*-test. *, $P < 0.05$; **, $P < 0.01$; ***, $P < 0.001$.

Table S1 The table lists the sequences of primers used in this study

No.	Name	Sequence (5' → 3')
1	GAPDH F	GTCTCTCTGACTTCAACAGCG
2	GAPDH R	ACCACCCTGTTGCTGTAGCCAA
3	FABP4 F	TGGGCCAGGAATTTGACGA
4	FABP4 R	CATTTCTGCACATGTACCAGGACAC
5	FABP5 F	GCTGATGGCAGAAAACTCAGA
6	FABP5 R	CCTGATGCTGAACCAATGCA
7	FABP6 F	ACTACTCCGGGGGCCACACCAT
8	FABP6 R	GTCTCTTGCTCACGCGCTCATAGG
9	FABP7 F	CCAGCTGGGAGAAGAGTTTG
10	FABP7 R	CTCATAGTGGCGAACAGCAA

Each primer is identified by its target gene or sequence, with details including the forward and reverse primer sequences. F: Forward primer, R: Reverse primer.

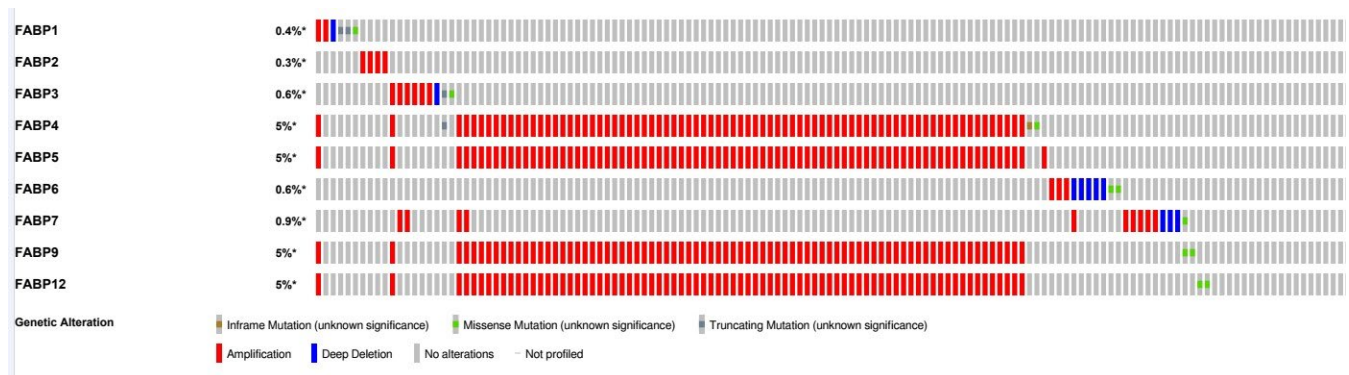


Figure S2 Frequency of genetic alteration among FABPs in breast cancer. Genetic alterations of FABPs in TCGA-BRCA, with a low overall frequency (less than 5%), predominantly genetic amplifications.