

Breast cancer – 192 markers

| Tissues and blood | In vitro cultures | Human | Other species |
|-------------------|-------------------|-------|---------------|
|-------------------|-------------------|-------|---------------|

Breast cancer is the most common malignant tumor in women. It is estimated that a genetic basis underlies up to 30% of cases. Genetic alterations promoting breast cancer involve not only mutations of suppressor genes such as BRCA1/2, but also those responsible for tissue density and hormone levels.

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|--------|---------|----------|----------|----------|---------|
| AKR1C4 | CTSB | HDAC2 | MAP2K7 | PTGS2 | TIE1 |
| AKR1D1 | CTSD | HDAC3 | MAPK1 | RAC2 | TNFAIP2 |
| AR | CYP11B1 | HDAC4 | MAPK3 | RAD1 | TOP2A |
| ARSB | CYP11B2 | HDAC5 | MED1 | RAD17 | TP53 |
| ARSD | CYP19A1 | HEMK1 | MEF2C | RAD50 | TUBB |
| ARSE | DLC1 | HIST2H3C | METTL2B | RAD51 | UGT1A1 |
| ATF2 | DST | HPRT1 | METTL6 | RAD9A | UGT1A10 |
| ATM | EGFR | HSD11B1 | MKI67 | RPL13A | UGT1A3 |
| ATR | EP300 | HSD11B2 | MRE11A | RPL27 | UGT1A4 |
| ATRIP | ERBB2 | HSD17B12 | MT3 | S100A2 | UGT1A6 |
| AZGP1 | ERCC3 | HSD17B2 | MUC1 | SCGB1D2 | UGT1A7 |
| BAD | ESR1 | HSD17B3 | NBN | SCGB2A1 | UGT2A1 |
| BAG1 | ESR2 | HSD17B7 | NCOR2 | SCGB2A2 | UGT2A3 |
| BCL2 | F3 | HSD17B8 | NFYB | SERPINA3 | UGT2B17 |
| BCL2L2 | FANCA | HSD3B1 | NGF | SERPINB5 | UGT2B7 |
| BRCA1 | FANCC | HSD3B2 | NGFR | SERPINE1 | VEGFA |
| BRCA2 | FANCD2 | HSPB1 | NME1 | SLC7A5 | WBSCR22 |
| C3 | FANCE | HUS1 | NROB1 | SPEN | |
| CARM1 | FANCF | ID2 | NRIP1 | SPRR1B | |
| CCNA1 | FAS | IGFBP2 | PAPPA | SRA1 | |
| CCNA2 | FASLG | IL2RA | PELP1 | SRC | |
| CCND1 | FGF1 | IL6 | PGK1 | SRD5A1 | |
| CD44 | FHL5 | IL6R | PGR | SRD5A2 | |
| CDH1 | FLRT1 | IL6ST | PHB2 | STC2 | |
| CDKN1A | FOSL1 | ITGA6 | PLAU | STS | |
| CDKN1B | GABRP | ITGB4 | POLR2A | SULT1E1 | |
| CDKN2A | GAPDH | JUN | PPARGC1A | SULT2A1 | |
| CHEK1 | GATA3 | KIT | PPIA | SULT2B1 | |
| CHEK2 | GNAS | KLF5 | PPP1R15A | TBP | |
| CLDN7 | GSN | KLK5 | PRMT2 | TFF1 | |
| CLTC | GTF2A1 | KRT18 | PRMT3 | TFF3 | |
| CLU | GTF2E1 | KRT19 | PRMT5 | TGFA | |
| COL6A1 | GTF2F1 | KRT86 | PRMT6 | THBS1 | |
| CREBBP | GUSB | LCMT1 | PRMT7 | THBS2 | |
| CTNNB1 | HDAC1 | LCMT2 | PTEN | THBS4 | |