**Suppl 2:** 155 differentially expressed genes with |log2-fold change| > 0.25 and P < 0.05 in distant recurrence of HR+ HER2- breast cancer.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Coef** | **Exp (coef)** | **Se (coef)** | **Coef lower 95%** | **Coef upper 95%** | **Exp (coef) lower 95%** | **Exp (coef) upper 95%** | **z** | **P** | **-log2(p)** |
| ADH1A | 0.36 | 1.43 | 0.19 | -0.02 | 0.73 | 0.98 | 2.08 | 1.87 | 0.06 | 4.03 |
| AGL | 0.36 | 1.43 | 0.12 | 0.12 | 0.6 | 1.13 | 1.82 | 2.96 | <0.005 | 8.35 |
| ANG | -0.02 | 0.98 | 0.16 | -0.33 | 0.29 | 0.72 | 1.33 | -0.13 | 0.9 | 0.16 |
| ASPM | -0.03 | 0.97 | 0.38 | -0.78 | 0.72 | 0.46 | 2.05 | -0.08 | 0.93 | 0.1 |
| AURKA | 0.04 | 1.04 | 0.27 | -0.48 | 0.56 | 0.62 | 1.76 | 0.15 | 0.88 | 0.18 |
| AURKB | -0.59 | 0.55 | 0.34 | -1.26 | 0.07 | 0.28 | 1.07 | -1.76 | 0.08 | 3.66 |
| AZGP1 | 0.09 | 1.1 | 0.12 | -0.15 | 0.34 | 0.86 | 1.4 | 0.77 | 0.44 | 1.18 |
| BIRC5 | 0.61 | 1.85 | 0.23 | 0.17 | 1.06 | 1.18 | 2.88 | 2.7 | 0.01 | 7.18 |
| BUB1 | -0.4 | 0.67 | 0.44 | -1.26 | 0.46 | 0.28 | 1.59 | -0.91 | 0.36 | 1.46 |
| C10orf32-AS3MT | 0.18 | 1.19 | 0.27 | -0.36 | 0.71 | 0.7 | 2.04 | 0.65 | 0.52 | 0.95 |
| C1orf106 | -0.07 | 0.94 | 0.12 | -0.3 | 0.17 | 0.74 | 1.18 | -0.55 | 0.58 | 0.79 |
| C1orf64 | -0.21 | 0.81 | 0.07 | -0.35 | -0.07 | 0.7 | 0.93 | -2.9 | <0.005 | 8.07 |
| C4B | 0.19 | 1.21 | 0.16 | -0.11 | 0.5 | 0.9 | 1.65 | 1.25 | 0.21 | 2.24 |
| C6orf126 | -0.05 | 0.95 | 0.11 | -0.26 | 0.15 | 0.77 | 1.17 | -0.5 | 0.61 | 0.7 |
| C8orf4 | -0.02 | 0.98 | 0.09 | -0.19 | 0.16 | 0.83 | 1.17 | -0.21 | 0.83 | 0.26 |
| CALML5 | 0.02 | 1.02 | 0.06 | -0.1 | 0.14 | 0.9 | 1.15 | 0.35 | 0.73 | 0.46 |
| CAPN8 | -0.09 | 0.92 | 0.1 | -0.29 | 0.12 | 0.75 | 1.12 | -0.85 | 0.4 | 1.34 |
| CBX2 | -0.17 | 0.84 | 0.13 | -0.43 | 0.09 | 0.65 | 1.1 | -1.28 | 0.2 | 2.31 |
| CCNA2 | 0.08 | 1.08 | 0.42 | -0.75 | 0.91 | 0.47 | 2.47 | 0.18 | 0.86 | 0.22 |
| CCNB2 | 0.09 | 1.1 | 0.37 | -0.64 | 0.82 | 0.53 | 2.27 | 0.25 | 0.8 | 0.32 |
| CD151 | -0.01 | 0.99 | 0.17 | -0.34 | 0.33 | 0.71 | 1.39 | -0.04 | 0.97 | 0.04 |
| CDC20 | 0.26 | 1.29 | 0.31 | -0.34 | 0.86 | 0.71 | 2.36 | 0.84 | 0.4 | 1.32 |
| CDC25B | 0.35 | 1.41 | 0.21 | -0.06 | 0.75 | 0.94 | 2.13 | 1.67 | 0.09 | 3.4 |
| CDC45 | -0.04 | 0.96 | 0.28 | -0.59 | 0.51 | 0.55 | 1.67 | -0.13 | 0.89 | 0.16 |
| CDCA3 | 0.85 | 2.33 | 0.37 | 0.13 | 1.57 | 1.13 | 4.8 | 2.3 | 0.02 | 5.54 |
| CDCA5 | 0.33 | 1.39 | 0.29 | -0.23 | 0.89 | 0.79 | 2.44 | 1.15 | 0.25 | 2 |
| CDCA7 | 0.09 | 1.1 | 0.17 | -0.24 | 0.43 | 0.79 | 1.54 | 0.55 | 0.58 | 0.78 |
| CDKN3 | 0.26 | 1.29 | 0.28 | -0.3 | 0.81 | 0.74 | 2.25 | 0.9 | 0.37 | 1.45 |
| CENPA | -0.21 | 0.81 | 0.4 | -0.99 | 0.56 | 0.37 | 1.76 | -0.54 | 0.59 | 0.75 |
| CENPE | -0.22 | 0.81 | 0.46 | -1.12 | 0.69 | 0.32 | 2 | -0.46 | 0.64 | 0.64 |
| CENPF | 0.56 | 1.75 | 0.28 | 0.01 | 1.12 | 1.01 | 3.05 | 1.98 | 0.05 | 4.4 |
| CEP55 | -0.99 | 0.37 | 0.4 | -1.77 | -0.22 | 0.17 | 0.8 | -2.51 | 0.01 | 6.36 |
| CGNL1 | 0.12 | 1.13 | 0.12 | -0.11 | 0.36 | 0.9 | 1.43 | 1.04 | 0.3 | 1.75 |
| CIDEC | -0.32 | 0.73 | 0.15 | -0.62 | -0.02 | 0.54 | 0.98 | -2.06 | 0.04 | 4.67 |
| CITED4 | 0.01 | 1.01 | 0.1 | -0.18 | 0.21 | 0.84 | 1.23 | 0.13 | 0.9 | 0.16 |
| CKAP2L | 1.23 | 3.42 | 0.5 | 0.25 | 2.21 | 1.29 | 9.1 | 2.46 | 0.01 | 6.18 |
| CLIC6 | -0.02 | 0.98 | 0.05 | -0.12 | 0.08 | 0.89 | 1.09 | -0.35 | 0.72 | 0.46 |
| CNKSR3 | -0.08 | 0.92 | 0.13 | -0.34 | 0.17 | 0.71 | 1.19 | -0.63 | 0.53 | 0.92 |
| CRIM1 | -0.03 | 0.97 | 0.22 | -0.47 | 0.41 | 0.63 | 1.5 | -0.13 | 0.89 | 0.16 |
| CRTAP | -0.71 | 0.49 | 0.3 | -1.29 | -0.12 | 0.28 | 0.89 | -2.37 | 0.02 | 5.8 |
| CX3CR1 | 0.03 | 1.03 | 0.15 | -0.27 | 0.33 | 0.76 | 1.39 | 0.19 | 0.85 | 0.24 |
| CXCL12 | -0.19 | 0.83 | 0.17 | -0.52 | 0.14 | 0.6 | 1.16 | -1.1 | 0.27 | 1.89 |
| CYB5A | -0.1 | 0.9 | 0.15 | -0.39 | 0.19 | 0.67 | 1.21 | -0.68 | 0.5 | 1.01 |
| CYBRD1 | 0.28 | 1.32 | 0.16 | -0.03 | 0.59 | 0.97 | 1.8 | 1.75 | 0.08 | 3.64 |
| CYP4F22 | -0.28 | 0.75 | 0.1 | -0.48 | -0.09 | 0.62 | 0.92 | -2.81 | <0.005 | 7.68 |
| CYP4X1 | -0.09 | 0.92 | 0.07 | -0.22 | 0.05 | 0.8 | 1.05 | -1.25 | 0.21 | 2.23 |
| DARC | -0.09 | 0.91 | 0.17 | -0.42 | 0.23 | 0.66 | 1.26 | -0.56 | 0.57 | 0.8 |
| DCN | -0.02 | 0.98 | 0.22 | -0.45 | 0.42 | 0.64 | 1.52 | -0.07 | 0.94 | 0.08 |
| DIO1 | -0.09 | 0.91 | 0.08 | -0.26 | 0.07 | 0.77 | 1.07 | -1.12 | 0.26 | 1.93 |
| DUSP1 | -0.01 | 0.99 | 0.21 | -0.43 | 0.41 | 0.65 | 1.5 | -0.04 | 0.96 | 0.05 |
| DYRK2 | 0.26 | 1.3 | 0.23 | -0.19 | 0.72 | 0.82 | 2.05 | 1.13 | 0.26 | 1.95 |
| E2F2 | -0.76 | 0.47 | 0.3 | -1.35 | -0.17 | 0.26 | 0.85 | -2.52 | 0.01 | 6.4 |
| EFEMP1 | -0.07 | 0.94 | 0.11 | -0.29 | 0.16 | 0.75 | 1.17 | -0.58 | 0.56 | 0.83 |
| EGR1 | -0.26 | 0.77 | 0.21 | -0.67 | 0.16 | 0.51 | 1.17 | -1.22 | 0.22 | 2.17 |
| EIF2C2 | 0.11 | 1.12 | 0.23 | -0.33 | 0.56 | 0.72 | 1.75 | 0.5 | 0.62 | 0.7 |
| ELOVL5 | 0.08 | 1.08 | 0.16 | -0.24 | 0.39 | 0.79 | 1.47 | 0.47 | 0.64 | 0.65 |
| EPHX2 | -0.13 | 0.88 | 0.18 | -0.48 | 0.23 | 0.62 | 1.25 | -0.7 | 0.48 | 1.05 |
| EXO1 | 0.03 | 1.03 | 0.39 | -0.74 | 0.79 | 0.48 | 2.21 | 0.07 | 0.95 | 0.08 |
| FCER1A | -0.01 | 0.99 | 0.15 | -0.31 | 0.3 | 0.74 | 1.34 | -0.04 | 0.97 | 0.04 |
| FCGBP | 0.02 | 1.02 | 0.09 | -0.15 | 0.2 | 0.86 | 1.22 | 0.25 | 0.8 | 0.32 |
| FEN1 | 0.33 | 1.39 | 0.24 | -0.14 | 0.8 | 0.87 | 2.22 | 1.36 | 0.17 | 2.52 |
| FHL2 | 0.25 | 1.28 | 0.11 | 0.03 | 0.47 | 1.03 | 1.61 | 2.18 | 0.03 | 5.11 |
| FOS | 0.38 | 1.46 | 0.18 | 0.02 | 0.74 | 1.02 | 2.1 | 2.07 | 0.04 | 4.7 |
| FOSB | -0.12 | 0.88 | 0.13 | -0.39 | 0.14 | 0.68 | 1.15 | -0.92 | 0.36 | 1.49 |
| FOXM1 | 0.14 | 1.15 | 0.39 | -0.62 | 0.9 | 0.54 | 2.47 | 0.36 | 0.72 | 0.47 |
| GINS2 | -0.31 | 0.74 | 0.18 | -0.65 | 0.04 | 0.52 | 1.04 | -1.72 | 0.09 | 3.56 |
| GJA1 | 0.04 | 1.04 | 0.09 | -0.14 | 0.21 | 0.87 | 1.24 | 0.42 | 0.68 | 0.57 |
| GLA | 0.02 | 1.02 | 0.13 | -0.24 | 0.27 | 0.78 | 1.32 | 0.11 | 0.91 | 0.14 |
| GLRB | -0.03 | 0.97 | 0.15 | -0.31 | 0.26 | 0.73 | 1.3 | -0.17 | 0.86 | 0.21 |
| GP2 | -0.04 | 0.96 | 0.07 | -0.18 | 0.1 | 0.83 | 1.11 | -0.58 | 0.56 | 0.83 |
| GSTM2 | -0.19 | 0.83 | 0.08 | -0.35 | -0.03 | 0.71 | 0.97 | -2.34 | 0.02 | 5.7 |
| HBA2 | 0.19 | 1.21 | 0.2 | -0.21 | 0.58 | 0.81 | 1.79 | 0.94 | 0.35 | 1.52 |
| HBB | -0.16 | 0.85 | 0.21 | -0.57 | 0.25 | 0.56 | 1.28 | -0.78 | 0.44 | 1.2 |
| HES6 | 0.04 | 1.04 | 0.14 | -0.24 | 0.31 | 0.79 | 1.36 | 0.27 | 0.79 | 0.34 |
| HJURP | -0.19 | 0.83 | 0.4 | -0.97 | 0.6 | 0.38 | 1.81 | -0.47 | 0.64 | 0.65 |
| HNMT | -0.69 | 0.5 | 0.25 | -1.18 | -0.19 | 0.31 | 0.83 | -2.69 | 0.01 | 7.12 |
| hNp95 | 0.33 | 1.39 | 0.26 | -0.17 | 0.83 | 0.84 | 2.3 | 1.29 | 0.2 | 2.34 |
| IER3 | -0.23 | 0.8 | 0.13 | -0.48 | 0.02 | 0.62 | 1.02 | -1.8 | 0.07 | 3.79 |
| IFI44L | 0.31 | 1.36 | 0.19 | -0.07 | 0.69 | 0.94 | 1.99 | 1.61 | 0.11 | 3.23 |
| IGFBP5 | 0.08 | 1.08 | 0.08 | -0.08 | 0.24 | 0.92 | 1.27 | 0.94 | 0.35 | 1.52 |
| ISG15 | -0.02 | 0.98 | 0.18 | -0.37 | 0.33 | 0.69 | 1.39 | -0.12 | 0.91 | 0.14 |
| KIAA0101 | 0.29 | 1.33 | 0.3 | -0.3 | 0.87 | 0.74 | 2.38 | 0.96 | 0.34 | 1.57 |
| KIF20A | 0.94 | 2.55 | 0.39 | 0.18 | 1.69 | 1.2 | 5.43 | 2.43 | 0.02 | 6.05 |
| KIF2C | -0.3 | 0.74 | 0.44 | -1.16 | 0.55 | 0.31 | 1.74 | -0.69 | 0.49 | 1.03 |
| KIFC1 | 0.17 | 1.18 | 0.36 | -0.54 | 0.87 | 0.58 | 2.39 | 0.47 | 0.64 | 0.64 |
| KRT15 | -0.06 | 0.94 | 0.07 | -0.19 | 0.07 | 0.83 | 1.07 | -0.89 | 0.37 | 1.43 |
| LAD1 | 0.22 | 1.24 | 0.11 | 0 | 0.43 | 1 | 1.54 | 1.96 | 0.05 | 4.33 |
| LRIG1 | 0 | 1 | 0.2 | -0.4 | 0.4 | 0.67 | 1.49 | 0 | 1 | 0 |
| LRP2 | 0.06 | 1.06 | 0.11 | -0.16 | 0.28 | 0.85 | 1.33 | 0.54 | 0.59 | 0.76 |
| LTF | -0.1 | 0.91 | 0.07 | -0.23 | 0.04 | 0.79 | 1.04 | -1.39 | 0.16 | 2.61 |
| LYPD6 | 0.14 | 1.15 | 0.12 | -0.1 | 0.38 | 0.9 | 1.46 | 1.13 | 0.26 | 1.95 |
| MAOA | -0.1 | 0.9 | 0.1 | -0.3 | 0.09 | 0.74 | 1.1 | -1.02 | 0.31 | 1.7 |
| MAPT | -0.12 | 0.89 | 0.1 | -0.32 | 0.08 | 0.73 | 1.08 | -1.2 | 0.23 | 2.11 |
| MCM10 | -0.11 | 0.9 | 0.34 | -0.78 | 0.57 | 0.46 | 1.76 | -0.31 | 0.76 | 0.4 |
| MCM2 | 0.08 | 1.08 | 0.32 | -0.55 | 0.7 | 0.58 | 2.01 | 0.24 | 0.81 | 0.3 |
| MELK | 0.16 | 1.17 | 0.3 | -0.44 | 0.76 | 0.65 | 2.13 | 0.52 | 0.6 | 0.73 |
| MGP | -0.18 | 0.84 | 0.1 | -0.38 | 0.02 | 0.68 | 1.03 | -1.72 | 0.09 | 3.55 |
| MMP11 | 0.14 | 1.15 | 0.11 | -0.07 | 0.35 | 0.93 | 1.42 | 1.29 | 0.2 | 2.35 |
| MX1 | 0.14 | 1.15 | 0.19 | -0.23 | 0.51 | 0.79 | 1.67 | 0.74 | 0.46 | 1.12 |
| MYBPC1 | -0.01 | 0.99 | 0.09 | -0.2 | 0.17 | 0.82 | 1.18 | -0.16 | 0.88 | 0.19 |
| NAT1 | -0.07 | 0.93 | 0.08 | -0.23 | 0.09 | 0.8 | 1.09 | -0.85 | 0.39 | 1.35 |
| NCAPG | -0.52 | 0.6 | 0.38 | -1.25 | 0.22 | 0.29 | 1.24 | -1.38 | 0.17 | 2.58 |
| NEK2 | -0.39 | 0.68 | 0.3 | -0.98 | 0.2 | 0.37 | 1.22 | -1.31 | 0.19 | 2.38 |
| NFIX | -0.2 | 0.81 | 0.13 | -0.47 | 0.06 | 0.63 | 1.06 | -1.54 | 0.12 | 3.02 |
| NFKBIZ | 0.14 | 1.15 | 0.1 | -0.06 | 0.33 | 0.94 | 1.39 | 1.37 | 0.17 | 2.54 |
| NUSAP1 | 0.38 | 1.46 | 0.34 | -0.29 | 1.04 | 0.75 | 2.84 | 1.1 | 0.27 | 1.88 |
| OGN | 0.05 | 1.05 | 0.18 | -0.3 | 0.39 | 0.74 | 1.48 | 0.25 | 0.8 | 0.32 |
| PDZK1 | 0.08 | 1.08 | 0.08 | -0.07 | 0.23 | 0.93 | 1.26 | 1 | 0.32 | 1.65 |
| PIP | 0.12 | 1.12 | 0.06 | 0.01 | 0.23 | 1.01 | 1.25 | 2.14 | 0.03 | 4.94 |
| PMP22 | -0.25 | 0.78 | 0.17 | -0.58 | 0.08 | 0.56 | 1.08 | -1.49 | 0.14 | 2.88 |
| POLQ | 0.46 | 1.58 | 0.43 | -0.38 | 1.3 | 0.69 | 3.65 | 1.07 | 0.28 | 1.82 |
| PRC1 | -1.14 | 0.32 | 0.33 | -1.78 | -0.49 | 0.17 | 0.61 | -3.46 | <0.005 | 10.87 |
| PTHLH | -0.1 | 0.9 | 0.11 | -0.31 | 0.11 | 0.73 | 1.11 | -0.97 | 0.33 | 1.58 |
| PTTG1 | 0.29 | 1.34 | 0.54 | -0.77 | 1.35 | 0.46 | 3.86 | 0.53 | 0.59 | 0.75 |
| PTTG3 | -0.28 | 0.76 | 0.53 | -1.32 | 0.77 | 0.27 | 2.16 | -0.52 | 0.61 | 0.72 |
| RACGAP1 | 0.35 | 1.42 | 0.42 | -0.48 | 1.17 | 0.62 | 3.23 | 0.83 | 0.41 | 1.3 |
| RASD1 | 0.06 | 1.06 | 0.1 | -0.15 | 0.26 | 0.86 | 1.3 | 0.54 | 0.59 | 0.76 |
| REEP6 | 0.04 | 1.04 | 0.13 | -0.22 | 0.3 | 0.8 | 1.35 | 0.3 | 0.76 | 0.39 |
| RPL21 | -0.22 | 0.8 | 0.19 | -0.6 | 0.15 | 0.55 | 1.16 | -1.16 | 0.25 | 2.03 |
| RPS25 | -0.09 | 0.92 | 0.2 | -0.47 | 0.3 | 0.62 | 1.35 | -0.43 | 0.67 | 0.58 |
| S100P | 0.14 | 1.15 | 0.05 | 0.03 | 0.25 | 1.03 | 1.28 | 2.55 | 0.01 | 6.53 |
| SCUBE2 | 0.02 | 1.02 | 0.08 | -0.14 | 0.18 | 0.87 | 1.2 | 0.23 | 0.82 | 0.29 |
| SEPP1 | 0.46 | 1.59 | 0.16 | 0.15 | 0.78 | 1.16 | 2.18 | 2.87 | <0.005 | 7.91 |
| SERPINA1 | 0.01 | 1.01 | 0.08 | -0.16 | 0.17 | 0.85 | 1.19 | 0.07 | 0.94 | 0.08 |
| SERPINA11 | -0.13 | 0.87 | 0.11 | -0.35 | 0.08 | 0.7 | 1.09 | -1.21 | 0.22 | 2.16 |
| SFRP1 | 0.06 | 1.06 | 0.12 | -0.19 | 0.3 | 0.83 | 1.35 | 0.45 | 0.65 | 0.62 |
| SIX4 | 0.01 | 1.01 | 0.16 | -0.3 | 0.32 | 0.74 | 1.38 | 0.07 | 0.94 | 0.09 |
| SLC27A2 | -0.08 | 0.92 | 0.11 | -0.29 | 0.14 | 0.75 | 1.15 | -0.72 | 0.47 | 1.08 |
| SLC39A6 | -0.05 | 0.95 | 0.1 | -0.25 | 0.15 | 0.78 | 1.17 | -0.47 | 0.64 | 0.65 |
| SLC7A2 | -0.1 | 0.91 | 0.06 | -0.23 | 0.03 | 0.8 | 1.03 | -1.54 | 0.12 | 3.02 |
| SLC7A5 | 0.17 | 1.19 | 0.13 | -0.07 | 0.42 | 0.93 | 1.52 | 1.4 | 0.16 | 2.62 |
| STAT1 | -0.71 | 0.49 | 0.2 | -1.11 | -0.31 | 0.33 | 0.73 | -3.52 | <0.005 | 11.16 |
| STC2 | 0.06 | 1.07 | 0.08 | -0.1 | 0.23 | 0.91 | 1.25 | 0.78 | 0.44 | 1.2 |
| STOM | 0.18 | 1.19 | 0.17 | -0.15 | 0.51 | 0.86 | 1.66 | 1.06 | 0.29 | 1.78 |
| SUSD3 | -0.02 | 0.98 | 0.1 | -0.21 | 0.17 | 0.81 | 1.18 | -0.2 | 0.84 | 0.25 |
| TAT | -0.02 | 0.98 | 0.07 | -0.16 | 0.13 | 0.85 | 1.13 | -0.24 | 0.81 | 0.3 |
| TMEM101 | 0 | 1 | 0.13 | -0.25 | 0.25 | 0.78 | 1.28 | -0.01 | 0.99 | 0.01 |
| TMEM132A | -0.09 | 0.92 | 0.17 | -0.43 | 0.25 | 0.65 | 1.29 | -0.5 | 0.62 | 0.69 |
| TMEM26 | 0 | 1 | 0.13 | -0.26 | 0.26 | 0.77 | 1.3 | 0.03 | 0.97 | 0.04 |
| TOP2A | -0.13 | 0.88 | 0.24 | -0.6 | 0.35 | 0.55 | 1.42 | -0.53 | 0.6 | 0.75 |
| TPT1 | 0.19 | 1.21 | 0.27 | -0.34 | 0.72 | 0.71 | 2.05 | 0.7 | 0.48 | 1.06 |
| TPX2 | -0.48 | 0.62 | 0.38 | -1.22 | 0.27 | 0.29 | 1.31 | -1.25 | 0.21 | 2.25 |
| TRIP13 | -0.42 | 0.66 | 0.29 | -0.98 | 0.15 | 0.37 | 1.16 | -1.44 | 0.15 | 2.73 |
| TROAP | -0.58 | 0.56 | 0.41 | -1.38 | 0.22 | 0.25 | 1.25 | -1.41 | 0.16 | 2.66 |
| TSC22D1 | 0.16 | 1.18 | 0.22 | -0.26 | 0.59 | 0.77 | 1.8 | 0.75 | 0.45 | 1.15 |
| TSPAN3 | 0.05 | 1.05 | 0.21 | -0.36 | 0.45 | 0.7 | 1.58 | 0.23 | 0.82 | 0.29 |
| TTK | -0.36 | 0.7 | 0.31 | -0.97 | 0.25 | 0.38 | 1.29 | -1.15 | 0.25 | 1.99 |
| TUBA3D | -0.2 | 0.82 | 0.09 | -0.37 | -0.03 | 0.69 | 0.97 | -2.28 | 0.02 | 5.47 |
| UBE2C | 0.1 | 1.11 | 0.28 | -0.45 | 0.65 | 0.64 | 1.92 | 0.36 | 0.72 | 0.48 |
| UBE2S | -0.12 | 0.88 | 0.26 | -0.63 | 0.38 | 0.53 | 1.46 | -0.48 | 0.63 | 0.67 |
| UBE2T | -0.09 | 0.92 | 0.32 | -0.71 | 0.54 | 0.49 | 1.71 | -0.27 | 0.79 | 0.34 |
| UGT2B11 | 0.24 | 1.27 | 0.18 | -0.1 | 0.59 | 0.9 | 1.8 | 1.38 | 0.17 | 2.57 |
| UGT2B28 | -0.45 | 0.64 | 0.23 | -0.9 | 0.01 | 0.4 | 1.01 | -1.93 | 0.05 | 4.23 |
| VTCN1 | -0.04 | 0.97 | 0.07 | -0.18 | 0.11 | 0.83 | 1.12 | -0.48 | 0.63 | 0.66 |
| ZWINT | 0.47 | 1.6 | 0.31 | -0.14 | 1.08 | 0.87 | 2.94 | 1.51 | 0.13 | 2.92 |

**Abbreviations:** HR+, hormone receptor positive; HER2, human epidermal growth receptor 2.