**SUPPLEMENTAL DATA**

**Supplemental Table 1. KEGG NF-κB pathway genes correlating with HOXA1 expression in breast cancer datasets.** All KEGG NF-κB pathway genes that show significant correlation with HOXA1 mRNA expression in the 12 breast cancer datasets with significant over-representation of the KEGG NF-κB pathway. The first two column represent the NCBI gene name and ID. Column 3 shows the dataset (details in Table 1). Columns 4 and 5 show the Correlation (*R*) and Significance (*P*) results of a 2log-Pearson correlation test. Column 6 denotes whether high HOXA1 expression correlates with high (positive) or low (negative) expression of the listed gene. Column 7 shows the array probe selected as in Materials and Methods. Genes with a negative correlation are in red type. Genes consistently correlated in ≥ 50% of datasets are on green or yellow field (positive or negative correlation, respectively).

**Supplemental Figure 1**. **NF-κB pathway genes with consistent correlation to HOXA1 expression in breast cancer.** Graphical overview of the NF-κB pathway showing pathway genes with a significant correlation to HOXA1 mRNA expression as in Figure 1, but now for a total of 12 breast cancer datasets. The KEGG NF-κB pathway graph is overlaid with boxes representing positively or negatively correlating genes only if a significant, consistent correlation was found in at least 50% of datasets analysed. Other details are as in Figure 1 and Supplemental Table 1. The overview shows a very consistent positive correlation with HOXA1 mRNA expression, especially for genes acting at the cell surface (activating ligands and receptors; the upstream part of the pathway) and for target genes in the nucleus (the downstream part of the pathway), strongly suggesting that the NF-κB pathway is activated by HOXA1 in breast cancer cells.

**Supplemental Table 2. Primers used to generate HOXA1 deletion mutants.**

**Supplemental Figure 2. Impact of HOXA1 on NF-κB reporter.** Western Blot showing IKKα, IKKβ, p-IKKα/β (Ser176/180), p65 and p-p65 (Ser536) proteins from MCF10A cells transfected with a FLAG-HOXA1 expression plasmid or with a negative control, and treated with TNFα (25 ng/ml) for 0, 10, 15, 20, 30 or 45 minutes. Detection of β-actin was used as loading control. Bands corresponding to detected proteins were cropped for the sake of presentation but all samples were processed in parallel, being run together on single protein gels.

**Supplemental Figure 3. Impact of HOXA1 pentapeptide insertions on activation of the NF-κB reporter.** Activity of the HOXA1 pentapeptide insertion mutants on the NF-κB reporter. Random pentapeptide insertion mutants were called from P1 to P18 as described previously [44], each arrow represents an insertion, with P1 and P18 as the most N-terminal and C-terminal insertions, respectively. Results were obtained as described in the legend to Figure 2.

| Gene name | GeneID | Dataset | R | P | Sign | Probe |
|---|---|---|---|---|---|---|
| ATM | 472 | Bertucci-266 | 0,136 | 2,694E-02 | Positive | 210858_x_at |
| ATM | 472 | Black-107 | 0,250 | 9,385E-03 | Positive | 212672_at |
| ATM | 472 | Booser-508 | 0,308 | 1,176E-12 | Positive | 210858_x_at |
| ATM | 472 | Bos-204 | 0,242 | 4,891E-04 | Positive | 212672_at |
| ATM | 472 | Clynes-121 | 0,310 | 5,416E-04 | Positive | 212672_at |
| ATM | 472 | Iglehart-123 | 0,196 | 2,941E-02 | Positive | 210858_x_at |
| ATM | 472 | Jonsdottir-94 | 0,238 | 2,076E-02 | Positive | ILMN_1779214 |
| ATM | 472 | Minn-96 | 0,291 | 4,022E-03 | Positive | 210858_x_at |
| ATM | 472 | Smid-210 | 0,241 | 4,216E-04 | Positive | 212672_at |
| ATM | 472 | Sotiriou-120 | 0,238 | 8,797E-03 | Positive | 212672_at |
| BCL10 | 8915 | Bertucci-266 | 0,145 | 1,800E-02 | Positive | 205263_at |
| BCL10 | 8915 | Bos-204 | 0,207 | 2,950E-03 | Positive | 205263_at |
| BCL10 | 8915 | Smid-210 | 0,226 | 9,764E-04 | Positive | 205263_at |
| BCL2 | 596 | Bertucci-266 | -0,247 | 4,781E-05 | Negative | 203685_at |
| BCL2 | 596 | Booser-508 | -0,186 | 2,397E-05 | Negative | 203685_at |
| BCL2 | 596 | Chin-124 | -0,323 | 2,531E-04 | Negative | 203685_at |
| BCL2 | 596 | Minn-96 | -0,262 | 1,000E-02 | Negative | 203685_at |
| BCL2 | 596 | Smid-210 | -0,172 | 1,256E-02 | Negative | 203685_at |
| BCL2 | 596 | Sotiriou-198 | -0,195 | 5,877E-03 | Negative | 203685_at |
| BCL2 | 596 | Wang-286 | -0,279 | 1,677E-06 | Negative | 203685_at |
| BCL2A1 | 597 | Bertucci-266 | 0,289 | 1,619E-06 | Positive | 205681_at |
| BCL2A1 | 597 | Booser-508 | 0,145 | 1,025E-03 | Positive | 205681_at |
| BCL2A1 | 597 | Bos-204 | 0,194 | 5,528E-03 | Positive | 205681_at |
| BCL2A1 | 597 | Chin-124 | 0,184 | 4,088E-02 | Positive | 205681_at |
| BCL2A1 | 597 | Clynes-121 | 0,306 | 6,303E-04 | Positive | 205681_at |
| BCL2A1 | 597 | EXPO-351 | 0,186 | 4,476E-04 | Positive | 205681_at |
| BCL2A1 | 597 | Iglehart-123 | 0,318 | 3,392E-04 | Positive | 205681_at |
| BCL2A1 | 597 | Minn-96 | 0,206 | 4,367E-02 | Positive | 205681_at |
| BCL2A1 | 597 | Smid-210 | 0,192 | 5,302E-03 | Positive | 205681_at |
| BCL2A1 | 597 | Wang-286 | 0,182 | 1,980E-03 | Positive | 205681_at |
| BCL2L1 | 598 | Bos-204 | -0,236 | 6,841E-04 | Negative | 212312_at |
| BCL2L1 | 598 | Clynes-121 | -0,182 | 4,549E-02 | Negative | 212312_at |
| BCL2L1 | 598 | EXPO-351 | -0,163 | 2,239E-03 | Negative | 212312_at |
| BCL2L1 | 598 | Minn-96 | -0,385 | 1,065E-04 | Negative | 212312_at |
| BCL2L1 | 598 | Smid-210 | -0,211 | 2,145E-03 | Negative | 212312_at |
| BCL2L1 | 598 | Sotiriou-198 | -0,206 | 3,629E-03 | Negative | 212312_at |
| BCL2L1 | 598 | Wang-286 | -0,150 | 1,124E-02 | Negative | 212312_at |
| BIRC2 |  | Bertucci-266 | 0,224 | 2,270E-04 | Positive | 202076_at |
| BIRC2 | 329 | Booser-508 | 0,115 | 9,386E-03 | Positive | 202076_at |
| BIRC2 | 329 | Bos-204 | 0,255 | 2,286E-04 | Positive | 202076_at |
| BIRC2 | 329 | Clynes-121 | 0,264 | 3,428E-03 | Positive | 202076_at |
| BIRC2 | 329 | Jonsdottir-94 | 0,244 | 1,758E-02 | Positive | ILMN_2182704 |
| BIRC2 | 329 | Smid-210 | 0,260 | 1,407E-04 | Positive | 202076_at |
| BIRC2 | 329 | Sotiriou-198 | 0,258 | 2,471E-04 | Positive | 202076_at |
| BIRC2 | 329 | Wang-286 | 0,238 | 4,788E-05 | Positive | 202076_at |
| BIRC3 | 330 | Bertucci-266 | 0,340 | 1,243E-08 | Positive | 210538_s_at |
| BIRC3 | 330 | Booser-508 | 0,162 | 2,526E-04 | Positive | 210538_s_at |
| BIRC3 | 330 | Bos-204 | 0,260 | 1,710E-04 | Positive | 210538_s_at |
| BIRC3 | 330 | Chin-124 | 0,254 | 4,416E-03 | Positive | 210538_s_at |
| BIRC3 | 330 | Clynes-121 | 0,321 | 3,287E-04 | Positive | 210538_s_at |
| BIRC3 | 330 | EXPO-351 | 0,166 | 1,786E-03 | Positive | 210538_s_at |
| BIRC3 | 330 | Iglehart-123 | 0,313 | 4,315E-04 | Positive | 210538_s_at |
| BIRC3 | 330 | Smid-210 | 0,257 | 1,679E-04 | Positive | 210538_s_at |
| BIRC3 | 330 | Wang-286 | 0,145 | 1,427E-02 | Positive | 210538_s_at |
| BLNK | 29760 | Minn-96 | -0,211 | 3,914E-02 | Negative | 207655_s_at |
| BLNK | 29760 | Sotiriou-120 | 0,222 | 1,473E-02 | Positive | 207655_s_at |
| BTK | 695 | Bertucci-266 | 0,189 | 1,998E-03 | Positive | 205504_at |
| BTK | 695 | Black-107 | 0,270 | 4,840E-03 | Positive | 205504_at |

| Gene name | GeneID | Dataset | R | P | Sign | Probe |
|---|---|---|---|---|---|---|
| BTK | 695 | Booser-508 | 0,291 | 2,118E-11 | Positive | 205504_at |
| BTK | 695 | Bos-204 | 0,202 | 3,800E-03 | Positive | 205504_at |
| BTK | 695 | Chin-124 | 0,248 | 5,400E-03 | Positive | 205504_at |
| BTK | 695 | Clynes-121 | 0,329 | 2,280E-04 | Positive | 205504_at |
| BTK | 695 | EXPO-351 | 0,165 | 1,928E-03 | Positive | 205504_at |
| BTK | 695 | Iglehart-123 | 0,268 | 2,779E-03 | Positive | 205504_at |
| BTK | 695 | Jonsdottir-94 | 0,237 | 2,119E-02 | Positive | ILMN_1662026 |
| BTK | 695 | Smid-210 | 0,169 | 1,445E-02 | Positive | 205504_at |
| BTK | 695 | Sotiriou-120 | 0,281 | 1,890E-03 | Positive | 205504_at |
| BTK | 695 | Wang-286 | 0,217 | 2,178E-04 | Positive | 205504_at |
| CARD11 | 84433 | Bertucci-266 | 0,204 | 8,395E-04 | Positive | 223514_at |
| CARD11 | 84433 | Bos-204 | 0,140 | 4,540E-02 | Positive | 223514_at |
| CARD11 | 84433 | Clynes-121 | 0,319 | 3,634E-04 | Positive | 223514_at |
| CARD11 | 84433 | Jonsdottir-94 | 0,216 | 3,624E-02 | Positive | ILMN_1721978 |
| CARD11 | 84433 | Smid-210 | 0,166 | 1,617E-02 | Positive | 223514_at |
| CCL13 | 6357 | Bertucci-266 | 0,281 | 3,189E-06 | Positive | 206407_s_at |
| CCL13 | 6357 | Booser-508 | 0,203 | 3,874E-06 | Positive | 206407_s_at |
| CCL13 | 6357 | Bos-204 | 0,163 | 2,002E-02 | Positive | 206407_s_at |
| CCL13 | 6357 | Chin-124 | 0,259 | 3,644E-03 | Positive | 206407_s_at |
| CCL13 | 6357 | EXPO-351 | 0,193 | 2,812E-04 | Positive | 206407_s_at |
| CCL13 | 6357 | Jonsdottir-94 | 0,230 | 2,593E-02 | Positive | ILMN_1783593 |
| CCL13 | 6357 | Minn-96 | 0,401 | 5,131E-05 | Positive | 206407_s_at |
| CCL13 | 6357 | Smid-210 | 0,174 | 1,144E-02 | Positive | 206407_s_at |
| CCL13 | 6357 | Sotiriou-120 | 0,181 | 4,769E-02 | Positive | 206407_s_at |
| CCL13 | 6357 | Wang-286 | 0,155 | 8,582E-03 | Positive | 206407_s_at |
| CCL19 | 6363 | Bertucci-266 | 0,288 | 1,769E-06 | Positive | 210072_at |
| CCL19 | 6363 | Black-107 | 0,224 | 2,020E-02 | Positive | 210072_at |
| CCL19 | 6363 | Booser-508 | 0,145 | 1,075E-03 | Positive | 210072_at |
| CCL19 | 6363 | Bos-204 | 0,249 | 3,268E-04 | Positive | 210072_at |
| CCL19 | 6363 | Chin-124 | 0,234 | 8,760E-03 | Positive | 210072_at |
| CCL19 | 6363 | Clynes-121 | 0,236 | 9,123E-03 | Positive | 210072_at |
| CCL19 | 6363 | EXPO-351 | 0,164 | 2,083E-03 | Positive | 210072_at |
| CCL19 | 6363 | Iglehart-123 | 0,308 | 5,374E-04 | Positive | 210072_at |
| CCL19 | 6363 | Jonsdottir-94 | 0,204 | 4,873E-02 | Positive | ILMN_1769129 |
| CCL19 | 6363 | Smid-210 | 0,215 | 1,753E-03 | Positive | 210072_at |
| CCL19 | 6363 | Wang-286 | 0,205 | 4,788E-04 | Positive | 210072_at |
| CCL21 | 6366 | Bertucci-266 | 0,314 | 1,634E-07 | Positive | 204606_at |
| CCL21 | 6366 | Booser-508 | 0,155 | 4,450E-04 | Positive | 204606_at |
| CCL21 | 6366 | Bos-204 | 0,240 | 5,452E-04 | Positive | 204606_at |
| CCL21 | 6366 | Chin-124 | 0,282 | 1,494E-03 | Positive | 204606_at |
| CCL21 | 6366 | Clynes-121 | 0,319 | 3,571E-04 | Positive | 204606_at |
| CCL21 | 6366 | Jonsdottir-94 | 0,282 | 5,812E-03 | Positive | ILMN_1677505 |
| CCL21 | 6366 | Smid-210 | 0,195 | 4,569E-03 | Positive | 204606_at |
| CCL21 | 6366 | Sotiriou-120 | 0,239 | 8,622E-03 | Positive | 204606_at |
| CCL21 | 6366 | Wang-286 | 0,120 | 4,316E-02 | Positive | 204606_at |
| CCL4 | 6351 | Bertucci-266 | 0,242 | 6,475E-05 | Positive | 204103_at |
| CCL4 | 6351 | Black-107 | 0,249 | 9,806E-03 | Positive | 204103_at |
| CCL4 | 6351 | Booser-508 | 0,130 | 3,236E-03 | Positive | 204103_at |
| CCL4 | 6351 | Bos-204 | 0,207 | 2,917E-03 | Positive | 204103_at |
| CCL4 | 6351 | Clynes-121 | 0,337 | 1,563E-04 | Positive | 204103_at |
| CCL4 | 6351 | Smid-210 | 0,217 | 1,555E-03 | Positive | 204103_at |
| CCL4L2 | 9560 | Jonsdottir-94 | 0,209 | 4,339E-02 | Positive | ILMN_1716276 |
| CD14 | 929 | Bertucci-266 | 0,227 | 1,949E-04 | Positive | 201743_at |
| CD14 | 929 | Black-107 | 0,279 | 3,588E-03 | Positive | 201743_at |
| CD14 | 929 | Booser-508 | 0,213 | 1,344E-06 | Positive | 201743_at |
| CD14 | 929 | Bos-204 | 0,230 | 9,327E-04 | Positive | 201743_at |
| CD14 | 929 | Clynes-121 | 0,308 | 6,006E-04 | Positive | 201743_at |
| CD14 | 929 | EXPO-351 | 0,188 | 3,889E-04 | Positive | 201743_at |

| Gene name | GeneID | Dataset | R | P | Sign | Probe |
|---|---|---|---|---|---|---|
| CD14 | 929 | Iglehart-123 | 0,180 | 4,644E-02 | Positive | 201743_at |
| CD14 | 929 | Minn-96 | 0,386 | 1,042E-04 | Positive | 201743_at |
| CD14 | 929 | Servant-343 | 0,147 | 6,433E-03 | Positive | ILMN_2396444 |
| CD14 | 929 | Smid-210 | 0,220 | 1,348E-03 | Positive | 201743_at |
| CD14 | 929 | Sotiriou-120 | 0,360 | 5,354E-05 | Positive | 201743_at |
| CD14 | 929 | Wang-286 | 0,216 | 2,400E-04 | Positive | 201743_at |
| CD40 | 958 | Bertucci-266 | 0,238 | 8,927E-05 | Positive | 35150_at |
| CD40 | 958 | Black-107 | 0,267 | 5,487E-03 | Positive | 35150_at |
| CD40 | 958 | Booser-508 | 0,319 | 1,625E-13 | Positive | 35150_at |
| CD40 | 958 | Chin-124 | 0,309 | 4,854E-04 | Positive | 215346_at |
| CD40 | 958 | Clynes-121 | 0,284 | 1,608E-03 | Positive | 215346_at |
| CD40 | 958 | EXPO-351 | 0,148 | 5,403E-03 | Positive | 35150_at |
| CD40 | 958 | Jonsdottir-94 | 0,398 | 7,202E-05 | Positive | ILMN_1779257 |
| CD40 | 958 | Minn-96 | 0,330 | 1,044E-03 | Positive | 35150_at |
| CD40LG | 959 | Bertucci-266 | 0,219 | 3,195E-04 | Positive | 207892_at |
| CD40LG | 959 | Booser-508 | 0,210 | 1,711E-06 | Positive | 207892_at |
| CD40LG | 959 | Bos-204 | 0,179 | 1,057E-02 | Positive | 207892_at |
| CD40LG | 959 | Iglehart-123 | 0,334 | 1,618E-04 | Positive | 207892_at |
| CD40LG | 959 | Jonsdottir-94 | 0,290 | 4,536E-03 | Positive | ILMN_1659077 |
| CD40LG | 959 | Smid-210 | 0,136 | 4,970E-02 | Positive | 207892_at |
| CFLAR | 8837 | Bertucci-266 | 0,256 | 2,407E-05 | Positive | 239629_at |
| CFLAR | 8837 | Booser-508 | 0,302 | 3,661E-12 | Positive | 211316_x_at |
| CFLAR | 8837 | Bos-204 | 0,236 | 6,795E-04 | Positive | 209939_x_at |
| CFLAR | 8837 | Chin-124 | 0,265 | 2,963E-03 | Positive | 209939_x_at |
| CFLAR | 8837 | EXPO-351 | 0,211 | 6,555E-05 | Positive | 239629_at |
| CFLAR | 8837 | Iglehart-123 | 0,221 | 1,387E-02 | Positive | 209939_x_at |
| CFLAR | 8837 | Smid-210 | 0,220 | 1,336E-03 | Positive | 209939_x_at |
| CFLAR | 8837 | Wang-286 | 0,286 | 8,733E-07 | Positive | 209939_x_at |
| CHUK | 1147 | Bos-204 | -0,143 | 4,151E-02 | Negative | 209666_s_at |
| CSNK2A2 | 1459 | Bertucci-266 | 0,390 | 4,229E-11 | Positive | 224922_at |
| CSNK2A2 | 1459 | Black-107 | 0,210 | 3,013E-02 | Positive | 224922_at |
| CSNK2A2 | 1459 | Booser-508 | 0,116 | 9,078E-03 | Positive | 203575_at |
| CSNK2A2 | 1459 | EXPO-351 | 0,180 | 7,147E-04 | Positive | 224922_at |
| CSNK2A2 | 1459 | Jonsdottir-94 | 0,218 | 3,452E-02 | Positive | ILMN_1723843 |
| CSNK2A2 | 1459 | Sotiriou-120 | 0,189 | 3,858E-02 | Positive | 224922_at |
| CSNK2A2 | 1459 | Sotiriou-198 | 0,252 | 3,355E-04 | Positive | 203575_at |
| CSNK2A2 | 1459 | Wang-286 | 0,294 | 4,262E-07 | Positive | 203575_at |
| CSNK2B | 1460 | Booser-508 | -0,137 | 2,027E-03 | Negative | 201390_s_at |
| CSNK2B | 1460 | Jonsdottir-94 | 0,329 | 1,222E-03 | Positive | ILMN_1800461 |
| CXCL12 | 6387 | Bertucci-266 | 0,259 | 1,892E-05 | Positive | 209687_at |
| CXCL12 | 6387 | Black-107 | 0,391 | 3,056E-05 | Positive | 209687_at |
| CXCL12 | 6387 | Bos-204 | 0,220 | 1,543E-03 | Positive | 209687_at |
| CXCL12 | 6387 | Chin-124 | 0,210 | 1,946E-02 | Positive | 209687_at |
| CXCL12 | 6387 | Clynes-121 | 0,304 | 6,909E-04 | Positive | 209687_at |
| CXCL12 | 6387 | EXPO-351 | 0,186 | 4,631E-04 | Positive | 209687_at |
| CXCL12 | 6387 | Servant-343 | 0,114 | 3,523E-02 | Positive | ILMN_1791447 |
| CXCL12 | 6387 | Smid-210 | 0,170 | 1,378E-02 | Positive | 209687_at |
| CXCL12 | 6387 | Sotiriou-120 | 0,421 | 1,673E-06 | Positive | 209687_at |
| CXCL12 | 6387 | Sotiriou-198 | 0,155 | 2,954E-02 | Positive | 209687_at |
| CXCL2 | 2920 | Bertucci-266 | 0,333 | 2,569E-08 | Positive | 209774_x_at |
| CXCL2 | 2920 | Black-107 | 0,206 | 3,361E-02 | Positive | 209774_x_at |
| CXCL2 | 2920 | Booser-508 | 0,198 | 6,920E-06 | Positive | 209774_x_at |
| CXCL2 | 2920 | Bos-204 | 0,442 | 3,600E-11 | Positive | 209774_x_at |
| CXCL2 | 2920 | Chin-124 | 0,345 | 8,711E-05 | Positive | 209774_x_at |
| CXCL2 | 2920 | Clynes-121 | 0,213 | 1,915E-02 | Positive | 209774_x_at |
| CXCL2 | 2920 | EXPO-351 | 0,195 | 2,290E-04 | Positive | 209774_x_at |
| CXCL2 | 2920 | Iglehart-123 | 0,268 | 2,766E-03 | Positive | 209774_x_at |
| CXCL2 | 2920 | Minn-96 | 0,284 | 5,104E-03 | Positive | 209774_x_at |

| Gene name | GeneID | Dataset | R | P | Sign | Probe |
|---|---|---|---|---|---|---|
| CXCL2 | 2920 | Smid-210 | 0,407 | 8,978E-10 | Positive | 209774_x_at |
| CXCL2 | 2920 | Sotiriou-198 | 0,290 | 3,360E-05 | Positive | 209774_x_at |
| CXCL2 | 2920 | Wang-286 | 0,247 | 2,319E-05 | Positive | 209774_x_at |
| DDX58 | 23586 | Bos-204 | 0,211 | 2,490E-03 | Positive | 218943_s_at |
| DDX58 | 23586 | Smid-210 | 0,226 | 9,475E-04 | Positive | 218943_s_at |
| ERC1 | 23085 | Bertucci-266 | 0,138 | 2,420E-02 | Positive | 215606_s_at |
| ERC1 | 23085 | Booser-508 | 0,223 | 3,864E-07 | Positive | 215606_s_at |
| ERC1 | 23085 | EXPO-351 | 0,135 | 1,139E-02 | Positive | 226049_at |
| GADD45B | 4616 | Bertucci-266 | 0,207 | 7,000E-04 | Positive | 207574_s_at |
| GADD45B | 4616 | Bos-204 | 0,153 | 2,927E-02 | Positive | 207574_s_at |
| GADD45B | 4616 | Smid-210 | 0,139 | 4,396E-02 | Positive | 207574_s_at |
| GADD45B | 4616 | Sotiriou-120 | 0,269 | 2,929E-03 | Positive | 207574_s_at |
| GADD45B | 4616 | Wang-286 | 0,214 | 2,673E-04 | Positive | 207574_s_at |
| ICAM1 | 3383 | Bertucci-266 | 0,357 | 1,958E-09 | Positive | 202637_s_at |
| ICAM1 | 3383 | Booser-508 | 0,194 | 1,052E-05 | Positive | 202637_s_at |
| ICAM1 | 3383 | Bos-204 | 0,295 | 1,859E-05 | Positive | 202637_s_at |
| ICAM1 | 3383 | Chin-124 | 0,207 | 2,092E-02 | Positive | 202637_s_at |
| ICAM1 | 3383 | Clynes-121 | 0,350 | 8,457E-05 | Positive | 202637_s_at |
| ICAM1 | 3383 | EXPO-351 | 0,120 | 2,485E-02 | Positive | 202637_s_at |
| ICAM1 | 3383 | Minn-96 | 0,337 | 7,788E-04 | Positive | 202637_s_at |
| ICAM1 | 3383 | Smid-210 | 0,280 | 3,882E-05 | Positive | 202637_s_at |
| ICAM1 | 3383 | Sotiriou-198 | 0,151 | 3,378E-02 | Positive | 202637_s_at |
| ICAM1 | 3383 | Wang-286 | 0,270 | 3,489E-06 | Positive | 202637_s_at |
| IKBKB | 3351 | Bertucci-266 | -0,154 | 1,181E-02 | Negative | 209341_s_at |
| IKBKB | 3351 | Booser-508 | -0,199 | 6,332E-06 | Negative | 209341_s_at |
| IKBKB | 3351 | Chin-124 | -0,182 | 4,360E-02 | Negative | 209341_s_at |
| IKBKB | 3351 | EXPO-351 | -0,152 | 4,388E-03 | Negative | 209341_s_at |
| IKBKB | 3351 | Minn-96 | -0,219 | 3,180E-02 | Negative | 209341_s_at |
| IKBKB | 3351 | Wang-286 | -0,222 | 1,524E-04 | Negative | 209341_s_at |
| IKBKG | 8517 | Booser-508 | 0,229 | 1,824E-07 | Positive | 36004_at |
| IKBKG | 8517 | Servant-343 | 0,115 | 3,386E-02 | Positive | ILMN_1707308 |
| IL1B | 3553 | Bertucci-266 | 0,233 | 1,260E-04 | Positive | 205067_at |
| IL1B | 3553 | Black-107 | 0,232 | 1,605E-02 | Positive | 205067_at |
| IL1B | 3553 | Booser-508 | 0,245 | 2,212E-08 | Positive | 205067_at |
| IL1B | 3553 | Bos-204 | 0,310 | 6,314E-06 | Positive | 205067_at |
| IL1B | 3553 | Clynes-121 | 0,282 | 1,696E-03 | Positive | 205067_at |
| IL1B | 3553 | Minn-96 | 0,219 | 3,207E-02 | Positive | 205067_at |
| IL1B | 3553 | Smid-210 | 0,299 | 1,008E-05 | Positive | 205067_at |
| IL1B | 3553 | Wang-286 | 0,129 | 2,975E-02 | Positive | 205067_at |
| IL1R1 | 3554 | Bertucci-266 | 0,273 | 6,353E-06 | Positive | 202948_at |
| IL1R1 | 3554 | Black-107 | 0,355 | 1,732E-04 | Positive | 202948_at |
| IL1R1 | 3554 | Booser-508 | 0,128 | 3,826E-03 | Positive | 202948_at |
| IL1R1 | 3554 | Bos-204 | 0,188 | 7,044E-03 | Positive | 202948_at |
| IL1R1 | 3554 | Chin-124 | 0,316 | 3,548E-04 | Positive | 202948_at |
| IL1R1 | 3554 | EXPO-351 | 0,254 | 1,438E-06 | Positive | 202948_at |
| IL1R1 | 3554 | Minn-96 | 0,301 | 2,921E-03 | Positive | 202948_at |
| IL1R1 | 3554 | Sotiriou-120 | 0,410 | 3,255E-06 | Positive | 202948_at |
| IL1R1 | 3554 | Sotiriou-198 | 0,265 | 1,589E-04 | Positive | 202948_at |
| IL1R1 | 3554 | Wang-286 | 0,169 | 4,134E-03 | Positive | 202948_at |
| IL8 (CXCL8) | 3576 | Bertucci-266 | 0,237 | 9,382E-05 | Positive | 202859_x_at |
| IL8 (CXCL8) | 3576 | Booser-508 | 0,175 | 7,428E-05 | Positive | 202859_x_at |
| IL8 (CXCL8) | 3576 | Bos-204 | 0,245 | 4,071E-04 | Positive | 202859_x_at |
| IL8 (CXCL8) | 3576 | Chin-124 | 0,187 | 3,757E-02 | Positive | 202859_x_at |
| IL8 (CXCL8) | 3576 | Clynes-121 | 0,280 | 1,838E-03 | Positive | 202859_x_at |
| IL8 (CXCL8) | 3576 | Jonsdottir-94 | 0,279 | 6,495E-03 | Positive | ILMN_2184373 |
| IL8 (CXCL8) | 3576 | Minn-96 | 0,269 | 8,062E-03 | Positive | 202859_x_at |
| IL8 (CXCL8) | 3576 | Smid-210 | 0,220 | 1,360E-03 | Positive | 202859_x_at |
| IL8 (CXCL8) | 3576 | Wang-286 | 0,270 | 3,649E-06 | Positive | 202859_x_at |

| Gene name | GeneID | Dataset | R | P | Sign | Probe |
|---|---|---|---|---|---|---|
| IRAK1 | 3654 | Bertucci-266 | 0,196 | 1,302E-03 | Positive | 201587_s_at |
| IRAK1 | 3654 | Bos-204 | 0,175 | 1,212E-02 | Positive | 201587_s_at |
| IRAK1 | 3654 | Chin-124 | 0,208 | 2,026E-02 | Positive | 201587_s_at |
| IRAK1 | 3654 | EXPO-351 | 0,131 | 1,422E-02 | Positive | 201587_s_at |
| IRAK1 | 3654 | Smid-210 | 0,197 | 4,136E-03 | Positive | 201587_s_at |
| IRAK1 | 3654 | Sotiriou-198 | 0,146 | 4,059E-02 | Positive | 201587_s_at |
| IRAK1 | 3654 | Wang-286 | 0,242 | 3,398E-05 | Positive | 201587_s_at |
| IRAK4 | 51135 | Bertucci-266 | -0,135 | 2,822E-02 | Negative | 219618_at |
| IRAK4 | 51135 | Booser-508 | 0,155 | 4,524E-04 | Positive | 219618_at |
| LAT | 27040 | Booser-508 | 0,091 | 3,942E-02 | Positive | 209881_s_at |
| LAT | 27040 | Bos-204 | 0,151 | 3,128E-02 | Positive | 209881_s_at |
| LAT | 27040 | Chin-124 | 0,302 | 6,518E-04 | Positive | 211005_at |
| LAT | 27040 | Jonsdottir-94 | 0,204 | 4,834E-02 | Positive | ILMN_2404625 |
| LAT | 27040 | Servant-343 | 0,114 | 3,542E-02 | Positive | ILMN_2404625 |
| LAT | 27040 | Smid-210 | 0,171 | 1,334E-02 | Positive | 209881_s_at |
| LBP | 3929 | Bertucci-266 | 0,253 | 2,889E-05 | Positive | 214461_at |
| LBP | 3929 | Booser-508 | 0,147 | 8,971E-04 | Positive | 214461_at |
| LBP | 3929 | Bos-204 | 0,188 | 6,998E-03 | Positive | 214461_at |
| LBP | 3929 | Chin-124 | 0,202 | 2,421E-02 | Positive | 214461_at |
| LBP | 3929 | EXPO-351 | 0,119 | 2,529E-02 | Positive | 211652_s_at |
| LBP | 3929 | Smid-210 | 0,205 | 2,800E-03 | Positive | 214461_at |
| LBP | 3929 | Wang-286 | 0,189 | 1,303E-03 | Positive | 214461_at |
| LCK | 3932 | Bertucci-266 | 0,374 | 3,078E-10 | Positive | 204891_s_at |
| LCK | 3932 | Black-107 | 0,263 | 6,149E-03 | Positive | 204891_s_at |
| LCK | 3932 | Booser-508 | 0,165 | 1,802E-04 | Positive | 204890_s_at |
| LCK | 3932 | Bos-204 | 0,220 | 1,607E-03 | Positive | 204891_s_at |
| LCK | 3932 | Chin-124 | 0,236 | 8,320E-03 | Positive | 204890_s_at |
| LCK | 3932 | Clynes-121 | 0,324 | 2,841E-04 | Positive | 204891_s_at |
| LCK | 3932 | EXPO-351 | 0,143 | 7,094E-03 | Positive | 204891_s_at |
| LCK | 3932 | Iglehart-123 | 0,333 | 1,688E-04 | Positive | 204891_s_at |
| LCK | 3932 | Smid-210 | 0,201 | 3,406E-03 | Positive | 204891_s_at |
| LTA | 4049 | Bertucci-266 | 0,183 | 2,722E-03 | Positive | 206975_at |
| LTA | 4049 | Booser-508 | 0,257 | 4,286E-09 | Positive | 206975_at |
| LTA | 4049 | Jonsdottir-94 | 0,232 | 2,427E-02 | Positive | ILMN_1795464 |
| LTB | 4050 | Bertucci-266 | 0,240 | 7,892E-05 | Positive | 207339_s_at |
| LTB | 4050 | Booser-508 | 0,141 | 1,424E-03 | Positive | 207339_s_at |
| LTB | 4050 | Bos-204 | 0,236 | 6,945E-04 | Positive | 207339_s_at |
| LTB | 4050 | Chin-124 | 0,252 | 4,697E-03 | Positive | 207339_s_at |
| LTB | 4050 | Clynes-121 | 0,276 | 2,217E-03 | Positive | 207339_s_at |
| LTB | 4050 | Iglehart-123 | 0,371 | 2,431E-05 | Positive | 207339_s_at |
| LTB | 4050 | Jonsdottir-94 | 0,216 | 3,654E-02 | Positive | ILMN_2376205 |
| LTB | 4050 | Minn-96 | 0,207 | 4,266E-02 | Positive | 207339_s_at |
| LTB | 4050 | Smid-210 | 0,235 | 5,906E-04 | Positive | 207339_s_at |
| LTB | 4050 | Sotiriou-120 | 0,220 | 1,575E-02 | Positive | 207339_s_at |
| LTB | 4050 | Wang-286 | 0,227 | 1,101E-04 | Positive | 207339_s_at |
| LTBR | 4055 | EXPO-351 | 0,117 | 2,779E-02 | Positive | 203005_at |
| LTBR | 4055 | Jonsdottir-94 | 0,292 | 4,288E-03 | Positive | ILMN_1667476 |
| LTBR | 4055 | Servant-343 | -0,124 | 2,113E-02 | Negative | ILMN_1667476 |
| LTBR | 4055 | Sotiriou-120 | -0,225 | 1,358E-02 | Negative | 203005_at |
| LTBR | 4055 | Wang-286 | 0,198 | 7,666E-04 | Positive | 203005_at |
| LY96 | 23643 | Bertucci-266 | 0,299 | 6,633E-07 | Positive | 206584_at |
| LY96 | 23643 | Black-107 | 0,379 | 5,622E-05 | Positive | 206584_at |
| LY96 | 23643 | Booser-508 | 0,253 | 7,049E-09 | Positive | 206584_at |
| LY96 | 23643 | Bos-204 | 0,342 | 5,643E-07 | Positive | 206584_at |
| LY96 | 23643 | Chin-124 | 0,307 | 5,218E-04 | Positive | 206584_at |
| LY96 | 23643 | Clynes-121 | 0,464 | 8,023E-08 | Positive | 206584_at |
| LY96 | 23643 | EXPO-351 | 0,249 | 2,432E-06 | Positive | 206584_at |
| LY96 | 23643 | Iglehart-123 | 0,282 | 1,585E-03 | Positive | 206584_at |

| Gene name | GeneID | Dataset | R | P | Sign | Probe |
|---|---|---|---|---|---|---|
| LY96 | 23643 | Jonsdottir-94 | 0,289 | 4,714E-03 | Positive | ILMN_1724533 |
| LY96 | 23643 | Smid-210 | 0,313 | 3,796E-06 | Positive | 206584_at |
| LY96 | 23643 | Sotiriou-120 | 0,312 | 5,233E-04 | Positive | 206584_at |
| LY96 | 23643 | Sotiriou-198 | 0,142 | 4,618E-02 | Positive | 206584_at |
| LY96 | 23643 | Wang-286 | 0,231 | 7,930E-05 | Positive | 206584_at |
| LYN | 4067 | Bertucci-266 | 0,320 | 9,757E-08 | Positive | 210754_s_at |
| LYN | 4067 | Black-107 | 0,220 | 2,302E-02 | Positive | 202625_at |
| LYN | 4067 | Booser-508 | 0,261 | 2,245E-09 | Positive | 210754_s_at |
| LYN | 4067 | Bos-204 | 0,395 | 4,825E-09 | Positive | 210754_s_at |
| LYN | 4067 | Chin-124 | 0,259 | 3,684E-03 | Positive | 202625_at |
| LYN | 4067 | Clynes-121 | 0,387 | 1,151E-05 | Positive | 202625_at |
| LYN | 4067 | EXPO-351 | 0,223 | 2,478E-05 | Positive | 210754_s_at |
| LYN | 4067 | Iglehart-123 | 0,346 | 8,992E-05 | Positive | 210754_s_at |
| LYN | 4067 | Jonsdottir-94 | 0,215 | 3,727E-02 | Positive | ILMN_1781155 |
| LYN | 4067 | Minn-96 | 0,334 | 8,722E-04 | Positive | 210754_s_at |
| LYN | 4067 | Smid-210 | 0,405 | 1,086E-09 | Positive | 210754_s_at |
| LYN | 4067 | Sotiriou-198 | 0,202 | 4,267E-03 | Positive | 202626_s_at |
| LYN | 4067 | Wang-286 | 0,336 | 5,434E-09 | Positive | 202626_s_at |
| MALT1 | 10892 | Bertucci-266 | 0,322 | 7,818E-08 | Positive | 210017_at |
| MALT1 | 10892 | Booser-508 | 0,220 | 5,416E-07 | Positive | 210018_x_at |
| MALT1 | 10892 | Bos-204 | 0,227 | 1,094E-03 | Positive | 210017_at |
| MALT1 | 10892 | Chin-124 | 0,232 | 9,663E-03 | Positive | 210017_at |
| MALT1 | 10892 | EXPO-351 | 0,112 | 3,593E-02 | Positive | 208309_s_at |
| MALT1 | 10892 | Iglehart-123 | 0,225 | 1,229E-02 | Positive | 208309_s_at |
| MALT1 | 10892 | Smid-210 | 0,167 | 1,550E-02 | Positive | 210017_at |
| MALT1 | 10892 | Sotiriou-198 | 0,194 | 6,091E-03 | Positive | 210018_x_at |
| MALT1 | 10892 | Wang-286 | 0,168 | 4,366E-03 | Positive | 210018_x_at |
| MAP3K14 | 9020 | Bertucci-266 | 0,247 | 4,636E-05 | Positive | 205192_at |
| MAP3K14 | 9020 | Black-107 | 0,209 | 3,074E-02 | Positive | 205192_at |
| MAP3K14 | 9020 | Booser-508 | 0,182 | 3,794E-05 | Positive | 205192_at |
| MAP3K14 | 9020 | Bos-204 | 0,265 | 1,313E-04 | Positive | 205192_at |
| MAP3K14 | 9020 | EXPO-351 | 0,119 | 2,595E-02 | Positive | 205192_at |
| MAP3K14 | 9020 | Jonsdottir-94 | 0,397 | 7,368E-05 | Positive | ILMN_1724070 |
| MAP3K14 | 9020 | Smid-210 | 0,249 | 2,646E-04 | Positive | 205192_at |
| MAP3K14 | 9020 | Wang-286 | 0,116 | 4,924E-02 | Positive | 205192_at |
| MAP3K7 | 6885 | Bertucci-266 | 0,226 | 2,000E-04 | Positive | 206854_s_at |
| MAP3K7 | 6885 | Booser-508 | 0,163 | 2,165E-04 | Positive | 206853_s_at |
| MAP3K7 | 6885 | Bos-204 | 0,182 | 9,069E-03 | Positive | 206854_s_at |
| MAP3K7 | 6885 | EXPO-351 | 0,133 | 1,291E-02 | Positive | 206854_s_at |
| MAP3K7 | 6885 | Iglehart-123 | 0,194 | 3,187E-02 | Positive | 211537_x_at |
| MAP3K7 | 6885 | Smid-210 | 0,203 | 3,081E-03 | Positive | 206854_s_at |
| MYD88 | 4615 | Bertucci-266 | 0,255 | 2,587E-05 | Positive | 209124_at |
| MYD88 | 4615 | Booser-508 | 0,189 | 1,838E-05 | Positive | 209124_at |
| MYD88 | 4615 | Bos-204 | 0,247 | 3,590E-04 | Positive | 209124_at |
| MYD88 | 4615 | Chin-124 | 0,193 | 3,146E-02 | Positive | 209124_at |
| MYD88 | 4615 | Jonsdottir-94 | 0,217 | 3,598E-02 | Positive | ILMN_1738523 |
| MYD88 | 4615 | Smid-210 | 0,235 | 5,801E-04 | Positive | 209124_at |
| MYD88 | 4615 | Wang-286 | 0,147 | 1,296E-02 | Positive | 209124_at |
| NFKB1 | 4790 | Bertucci-266 | 0,127 | 3,857E-02 | Positive | 209239_at |
| NFKB1 | 4790 | Booser-508 | 0,136 | 2,059E-03 | Positive | 209239_at |
| NFKB1 | 4790 | Servant-343 | 0,126 | 1,961E-02 | Positive | ILMN_1714965 |
| NFKB1 | 4790 | Wang-286 | -0,155 | 8,856E-03 | Negative | 209239_at |
| NFKB2 | 4791 | Bertucci-266 | 0,128 | 3,647E-02 | Positive | 207535_s_at |
| NFKB2 | 4791 | Booser-508 | 0,121 | 6,352E-03 | Positive | 207535_s_at |
| NFKB2 | 4791 | Servant-343 | -0,118 | 2,859E-02 | Negative | ILMN_1799062 |
| NFKBIA | 4792 | EXPO-351 | 0,110 | 3,875E-02 | Positive | 201502_s_at |
| NFKBIA | 4792 | Servant-343 | 0,121 | 2,480E-02 | Positive | ILMN_1773154 |
| PARP1 | 142 | Booser-508 | -0,128 | 3,840E-03 | Negative | 208644_at |

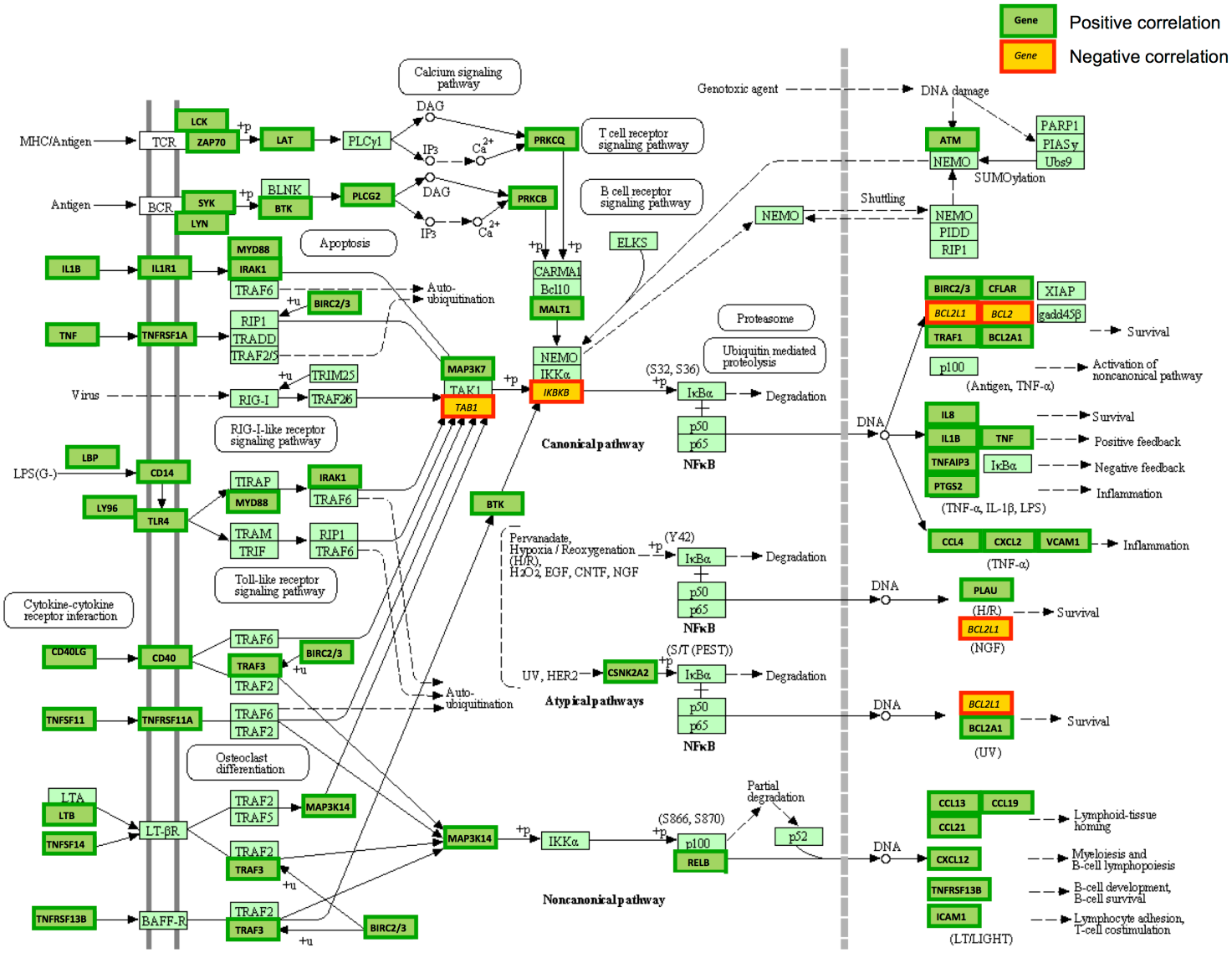
| Gene name | GeneID | Dataset | R | P | Sign | Probe |
|---|---|---|---|---|---|---|
| PARP1 | 142 | Iglehart-123 | -0,277 | 1,958E-03 | Negative | 208644_at |
| PARP1 | 142 | Minn-96 | -0,219 | 3,191E-02 | Negative | 208644_at |
| PARP1 | 142 | Sotiriou-120 | -0,224 | 1,410E-02 | Negative | 208644_at |
| PARP1 | 142 | Wang-286 | -0,121 | 4,086E-02 | Negative | 208644_at |
| PIAS4 | 51588 | Bertucci-266 | -0,252 | 3,164E-05 | Negative | 212879_x_at |
| PIAS4 | 51588 | Clynes-121 | -0,184 | 4,282E-02 | Negative | 212879_x_at |
| PIAS4 | 51588 | Iglehart-123 | -0,194 | 3,164E-02 | Negative | 212879_x_at |
| PIAS4 | 51588 | Minn-96 | -0,267 | 8,502E-03 | Negative | 212881_at |
| PIAS4 | 51588 | Servant-343 | 0,110 | 4,218E-02 | Positive | ILMN_1802905 |
| PIAS4 | 51588 | Sotiriou-198 | -0,183 | 9,822E-03 | Negative | 212879_x_at |
| PIDD | 55367 | Wang-286 | -0,192 | 1,087E-03 | Negative | 221640_s_at |
| PLAU | 5328 | Bertucci-266 | 0,234 | 1,150E-04 | Positive | 205479_s_at |
| PLAU | 5328 | Black-107 | 0,235 | 1,498E-02 | Positive | 205479_s_at |
| PLAU | 5328 | Booser-508 | 0,179 | 4,962E-05 | Positive | 205479_s_at |
| PLAU | 5328 | Bos-204 | 0,308 | 7,430E-06 | Positive | 205479_s_at |
| PLAU | 5328 | Clynes-121 | 0,204 | 2,490E-02 | Positive | 205479_s_at |
| PLAU | 5328 | EXPO-351 | 0,118 | 2,711E-02 | Positive | 205479_s_at |
| PLAU | 5328 | Smid-210 | 0,289 | 2,159E-05 | Positive | 205479_s_at |
| PLAU | 5328 | Sotiriou-120 | 0,313 | 5,091E-04 | Positive | 205479_s_at |
| PLAU | 5328 | Wang-286 | 0,199 | 7,279E-04 | Positive | 205479_s_at |
| PLCG1 | 5335 | Bertucci-266 | 0,208 | 6,537E-04 | Positive | 202789_at |
| PLCG1 | 5335 | Booser-508 | 0,099 | 2,624E-02 | Positive | 202789_at |
| PLCG1 | 5335 | Smid-210 | 0,157 | 2,309E-02 | Positive | 202789_at |
| PLCG2 | 5336 | Bertucci-266 | 0,417 | 1,313E-12 | Positive | 204613_at |
| PLCG2 | 5336 | Black-107 | 0,258 | 7,262E-03 | Positive | 204613_at |
| PLCG2 | 5336 | Booser-508 | 0,352 | 2,852E-16 | Positive | 204613_at |
| PLCG2 | 5336 | Bos-204 | 0,264 | 1,323E-04 | Positive | 204613_at |
| PLCG2 | 5336 | Chin-124 | 0,285 | 1,321E-03 | Positive | 204613_at |
| PLCG2 | 5336 | Clynes-121 | 0,302 | 7,620E-04 | Positive | 204613_at |
| PLCG2 | 5336 | EXPO-351 | 0,280 | 9,536E-08 | Positive | 204613_at |
| PLCG2 | 5336 | Iglehart-123 | 0,262 | 3,468E-03 | Positive | 204613_at |
| PLCG2 | 5336 | Jonsdottir-94 | 0,376 | 1,870E-04 | Positive | ILMN_1815719 |
| PLCG2 | 5336 | Minn-96 | 0,294 | 3,601E-03 | Positive | 204613_at |
| PLCG2 | 5336 | Smid-210 | 0,228 | 8,692E-04 | Positive | 204613_at |
| PLCG2 | 5336 | Sotiriou-120 | 0,207 | 2,325E-02 | Positive | 204613_at |
| PLCG2 | 5336 | Sotiriou-198 | 0,173 | 1,483E-02 | Positive | 204613_at |
| PLCG2 | 5336 | Wang-286 | 0,307 | 1,176E-07 | Positive | 204613_at |
| PRKCB | 5579 | Bertucci-266 | 0,316 | 1,394E-07 | Positive | 209685_s_at |
| PRKCB | 5579 | Black-107 | 0,255 | 8,052E-03 | Positive | 209685_s_at |
| PRKCB | 5579 | Booser-508 | 0,278 | 1,717E-10 | Positive | 209685_s_at |
| PRKCB | 5579 | Chin-124 | 0,249 | 5,316E-03 | Positive | 209685_s_at |
| PRKCB | 5579 | Clynes-121 | 0,390 | 9,629E-06 | Positive | 209685_s_at |
| PRKCB | 5579 | EXPO-351 | 0,183 | 5,789E-04 | Positive | 209685_s_at |
| PRKCB | 5579 | Iglehart-123 | 0,353 | 6,358E-05 | Positive | 209685_s_at |
| PRKCB | 5579 | Minn-96 | 0,235 | 2,113E-02 | Positive | 209685_s_at |
| PRKCB | 5579 | Sotiriou-120 | 0,260 | 4,063E-03 | Positive | 209685_s_at |
| PRKCB | 5579 | Wang-286 | 0,220 | 1,781E-04 | Positive | 209685_s_at |
| PRKCQ | 5588 | Bertucci-266 | 0,372 | 3,851E-10 | Positive | 210038_at |
| PRKCQ | 5588 | Black-107 | 0,220 | 2,290E-02 | Positive | 210038_at |
| PRKCQ | 5588 | Booser-508 | 0,300 | 4,843E-12 | Positive | 210038_at |
| PRKCQ | 5588 | Bos-204 | 0,181 | 9,694E-03 | Positive | 210038_at |
| PRKCQ | 5588 | Chin-124 | 0,269 | 2,502E-03 | Positive | 210038_at |
| PRKCQ | 5588 | EXPO-351 | 0,158 | 2,938E-03 | Positive | 210038_at |
| PRKCQ | 5588 | Jonsdottir-94 | 0,243 | 1,807E-02 | Positive | ILMN_1733421 |
| PRKCQ | 5588 | Minn-96 | 0,203 | 4,710E-02 | Positive | 210038_at |
| PRKCQ | 5588 | Smid-210 | 0,146 | 3,420E-02 | Positive | 210038_at |
| PRKCQ | 5588 | Wang-286 | 0,162 | 6,176E-03 | Positive | 210038_at |
| PTGS2 | 5743 | Bertucci-266 | 0,260 | 1,758E-05 | Positive | 204748_at |

| Gene name | GeneID | Dataset | R | P | Sign | Probe |
|---|---|---|---|---|---|---|
| PTGS2 | 5743 | Booser-508 | 0,211 | 1,649E-06 | Positive | 204748_at |
| PTGS2 | 5743 | Bos-204 | 0,363 | 9,280E-08 | Positive | 204748_at |
| PTGS2 | 5743 | Chin-124 | 0,282 | 1,503E-03 | Positive | 204748_at |
| PTGS2 | 5743 | Clynes-121 | 0,264 | 3,445E-03 | Positive | 204748_at |
| PTGS2 | 5743 | EXPO-351 | 0,105 | 4,833E-02 | Positive | 204748_at |
| PTGS2 | 5743 | Minn-96 | 0,380 | 1,369E-04 | Positive | 204748_at |
| PTGS2 | 5743 | Smid-210 | 0,320 | 2,171E-06 | Positive | 204748_at |
| PTGS2 | 5743 | Sotiriou-198 | 0,275 | 8,921E-05 | Positive | 204748_at |
| PTGS2 | 5743 | Wang-286 | 0,321 | 2,748E-08 | Positive | 204748_at |
| RELA | 5970 | Bertucci-266 | 0,135 | 2,746E-02 | Positive | 201783_s_at |
| RELA | 5970 | Jonsdottir-94 | 0,362 | 3,325E-04 | Positive | ILMN_1705266 |
| RELB | 5971 | Bertucci-266 | 0,319 | 1,038E-07 | Positive | 205205_at |
| RELB | 5971 | Booser-508 | 0,131 | 3,142E-03 | Positive | 205205_at |
| RELB | 5971 | Jonsdottir-94 | 0,418 | 2,721E-05 | Positive | ILMN_1811258 |
| RELB | 5971 | Minn-96 | 0,269 | 8,158E-03 | Positive | 205205_at |
| RELB | 5971 | Smid-210 | 0,139 | 4,379E-02 | Positive | 205205_at |
| RELB | 5971 | Wang-286 | 0,129 | 2,946E-02 | Positive | 205205_at |
| SYK | 6850 | Bertucci-266 | 0,278 | 4,136E-06 | Positive | 226068_at |
| SYK | 6850 | Black-107 | 0,239 | 1,315E-02 | Positive | 226068_at |
| SYK | 6850 | Booser-508 | 0,156 | 4,171E-04 | Positive | 207540_s_at |
| SYK | 6850 | Bos-204 | 0,212 | 2,380E-03 | Positive | 226068_at |
| SYK | 6850 | Clynes-121 | 0,220 | 1,550E-02 | Positive | 207540_s_at |
| SYK | 6850 | EXPO-351 | 0,160 | 2,696E-03 | Positive | 226068_at |
| SYK | 6850 | Iglehart-123 | 0,194 | 3,156E-02 | Positive | 226068_at |
| SYK | 6850 | Jonsdottir-94 | 0,311 | 2,265E-03 | Positive | ILMN_2059549 |
| SYK | 6850 | Minn-96 | 0,260 | 1,037E-02 | Positive | 207540_s_at |
| SYK | 6850 | Servant-343 | 0,111 | 4,029E-02 | Positive | ILMN_2059549 |
| SYK | 6850 | Smid-210 | 0,183 | 7,684E-03 | Positive | 226068_at |
| SYK | 6850 | Sotiriou-120 | 0,238 | 8,926E-03 | Positive | 207540_s_at |
| TAB1 | 10454 | Bertucci-266 | -0,137 | 2,494E-02 | Negative | 203901_at |
| TAB1 | 10454 | Bos-204 | -0,175 | 1,207E-02 | Negative | 203901_at |
| TAB1 | 10454 | Clynes-121 | -0,251 | 5,447E-03 | Negative | 203901_at |
| TAB1 | 10454 | Minn-96 | -0,203 | 4,741E-02 | Negative | 203901_at |
| TAB1 | 10454 | Smid-210 | -0,223 | 1,119E-03 | Negative | 203901_at |
| TAB1 | 10454 | Wang-286 | -0,149 | 1,188E-02 | Negative | 203901_at |
| TAB2 | 23118 | Bertucci-266 | 0,236 | 1,040E-04 | Positive | 212184_s_at |
| TAB2 | 23118 | Booser-508 | 0,154 | 5,011E-04 | Positive | 210284_s_at |
| TAB2 | 23118 | Clynes-121 | 0,205 | 2,413E-02 | Positive | 212184_s_at |
| TAB2 | 23118 | Minn-96 | 0,344 | 6,096E-04 | Positive | 210284_s_at |
| TAB2 | 23118 | Wang-286 | 0,145 | 1,415E-02 | Positive | 212184_s_at |
| TIRAP | 114609 | Bos-204 | -0,149 | 3,391E-02 | Negative | 1554091_a_at |
| TIRAP | 114609 | Smid-210 | -0,142 | 3,913E-02 | Negative | 1554091_a_at |
| TLR4 | 7099 | Bertucci-266 | 0,209 | 6,175E-04 | Positive | 224341_x_at |
| TLR4 | 7099 | Black-107 | 0,256 | 7,810E-03 | Positive | 224341_x_at |
| TLR4 | 7099 | Booser-508 | 0,266 | 1,045E-09 | Positive | 221060_s_at |
| TLR4 | 7099 | Clynes-121 | 0,363 | 4,167E-05 | Positive | 224341_x_at |
| TLR4 | 7099 | Iglehart-123 | 0,222 | 1,354E-02 | Positive | 221060_s_at |
| TLR4 | 7099 | Jonsdottir-94 | 0,220 | 3,296E-02 | Positive | ILMN_1706217 |
| TLR4 | 7099 | Minn-96 | 0,227 | 2,613E-02 | Positive | 221060_s_at |
| TLR4 | 7099 | Sotiriou-120 | 0,299 | 9,182E-04 | Positive | 224341_x_at |
| TNF | 7124 | Bertucci-266 | 0,241 | 7,314E-05 | Positive | 207113_s_at |
| TNF | 7124 | Booser-508 | 0,244 | 2,670E-08 | Positive | 207113_s_at |
| TNF | 7124 | Bos-204 | 0,162 | 2,063E-02 | Positive | 207113_s_at |
| TNF | 7124 | Jonsdottir-94 | 0,263 | 1,057E-02 | Positive | ILMN_1728106 |
| TNF | 7124 | Smid-210 | 0,152 | 2,740E-02 | Positive | 207113_s_at |
| TNF | 7124 | Sotiriou-120 | 0,261 | 4,025E-03 | Positive | 207113_s_at |
| TNFAIP3 | 7128 | Bertucci-266 | 0,405 | 6,297E-12 | Positive | 202644_s_at |
| TNFAIP3 | 7128 | Black-107 | 0,219 | 2,352E-02 | Positive | 202644_s_at |

| Gene name | GeneID | Dataset | R | P | Sign | Probe |
|---|---|---|---|---|---|---|
| TNFAIP3 | 7128 | Booser-508 | 0,214 | 1,134E-06 | Positive | 202644_s_at |
| TNFAIP3 | 7128 | Bos-204 | 0,247 | 3,638E-04 | Positive | 202644_s_at |
| TNFAIP3 | 7128 | Chin-124 | 0,305 | 5,821E-04 | Positive | 202644_s_at |
| TNFAIP3 | 7128 | Clynes-121 | 0,329 | 2,306E-04 | Positive | 202644_s_at |
| TNFAIP3 | 7128 | EXPO-351 | 0,157 | 3,274E-03 | Positive | 202644_s_at |
| TNFAIP3 | 7128 | Iglehart-123 | 0,269 | 2,583E-03 | Positive | 202644_s_at |
| TNFAIP3 | 7128 | Jonsdottir-94 | 0,212 | 4,008E-02 | Positive | ILMN_1702691 |
| TNFAIP3 | 7128 | Minn-96 | 0,281 | 5,520E-03 | Positive | 202644_s_at |
| TNFAIP3 | 7128 | Smid-210 | 0,252 | 2,286E-04 | Positive | 202644_s_at |
| TNFAIP3 | 7128 | Wang-286 | 0,301 | 2,172E-07 | Positive | 202644_s_at |
| TNFRSF11A | 8792 | Bertucci-266 | 0,198 | 1,152E-03 | Positive | 238846_at |
| TNFRSF11A | 8792 | Booser-508 | 0,143 | 1,259E-03 | Positive | 207037_at |
| TNFRSF11A | 8792 | Bos-204 | 0,167 | 1,703E-02 | Positive | 238846_at |
| TNFRSF11A | 8792 | Chin-124 | 0,279 | 1,721E-03 | Positive | 207037_at |
| TNFRSF11A | 8792 | EXPO-351 | 0,256 | 1,225E-06 | Positive | 238846_at |
| TNFRSF11A | 8792 | Wang-286 | 0,168 | 4,371E-03 | Positive | 207037_at |
| TNFRSF13C | 115650 | Clynes-121 | 0,236 | 9,016E-03 | Positive | 1552892_at |
| TNFRSF13C | 115650 | Jonsdottir-94 | 0,219 | 3,367E-02 | Positive | ILMN_1731742 |
| TNFRSF13C | 115650 | Servant-343 | 0,109 | 4,326E-02 | Positive | ILMN_1731742 |
| TNFRSF1A | 7132 | Bertucci-266 | 0,210 | 5,788E-04 | Positive | 207643_s_at |
| TNFRSF1A | 7132 | Black-107 | 0,331 | 5,065E-04 | Positive | 207643_s_at |
| TNFRSF1A | 7132 | Bos-204 | 0,237 | 6,534E-04 | Positive | 207643_s_at |
| TNFRSF1A | 7132 | EXPO-351 | 0,210 | 7,105E-05 | Positive | 207643_s_at |
| TNFRSF1A | 7132 | Jonsdottir-94 | 0,251 | 1,479E-02 | Positive | ILMN_1685005 |
| TNFRSF1A | 7132 | Minn-96 | 0,259 | 1,091E-02 | Positive | 207643_s_at |
| TNFRSF1A | 7132 | Smid-210 | 0,214 | 1,808E-03 | Positive | 207643_s_at |
| TNFRSF1A | 7132 | Sotiriou-198 | 0,253 | 3,277E-04 | Positive | 207643_s_at |
| TNFRSF1A | 7132 | Wang-286 | 0,238 | 4,924E-05 | Positive | 207643_s_at |
| TNFSF11 | 8600 | Bertucci-266 | 0,139 | 2,343E-02 | Positive | 211153_s_at |
| TNFSF11 | 8600 | Booser-508 | 0,180 | 4,635E-05 | Positive | 211153_s_at |
| TNFSF11 | 8600 | Clynes-121 | 0,233 | 1,019E-02 | Positive | 210643_at |
| TNFSF11 | 8600 | EXPO-351 | 0,136 | 1,061E-02 | Positive | 210643_at |
| TNFSF11 | 8600 | Jonsdottir-94 | 0,294 | 4,060E-03 | Positive | ILMN_1673175 |
| TNFSF11 | 8600 | Servant-343 | 0,156 | 3,816E-03 | Positive | ILMN_1673175 |
| TNFSF11 | 8600 | Sotiriou-120 | 0,342 | 1,336E-04 | Positive | 210643_at |
| TNFSF11 | 8600 | Sotiriou-198 | 0,163 | 2,180E-02 | Positive | 210643_at |
| TNFSF13B | 10673 | Bertucci-266 | 0,273 | 6,454E-06 | Positive | 223502_s_at |
| TNFSF13B | 10673 | Black-107 | 0,242 | 1,218E-02 | Positive | 223502_s_at |
| TNFSF13B | 10673 | Bos-204 | 0,258 | 1,999E-04 | Positive | 223502_s_at |
| TNFSF13B | 10673 | Clynes-121 | 0,302 | 7,655E-04 | Positive | 223502_s_at |
| TNFSF13B | 10673 | EXPO-351 | 0,161 | 2,508E-03 | Positive | 223502_s_at |
| TNFSF13B | 10673 | Iglehart-123 | 0,270 | 2,552E-03 | Positive | 223502_s_at |
| TNFSF13B | 10673 | Smid-210 | 0,276 | 4,936E-05 | Positive | 223502_s_at |
| TNFSF13B | 10673 | Sotiriou-120 | 0,201 | 2,735E-02 | Positive | 223502_s_at |
| TNFSF14 | 8740 | Bertucci-266 | 0,297 | 8,297E-07 | Positive | 207907_at |
| TNFSF14 | 8740 | Black-107 | 0,197 | 4,149E-02 | Positive | 233935_at |
| TNFSF14 | 8740 | Booser-508 | 0,181 | 4,234E-05 | Positive | 207907_at |
| TNFSF14 | 8740 | Bos-204 | 0,162 | 2,026E-02 | Positive | 207907_at |
| TNFSF14 | 8740 | Chin-124 | 0,254 | 4,485E-03 | Positive | 207907_at |
| TNFSF14 | 8740 | Servant-343 | 0,111 | 4,040E-02 | Positive | ILMN_2363392 |
| TNFSF14 | 8740 | Sotiriou-120 | 0,269 | 2,987E-03 | Positive | 207907_at |
| TRADD | 8717 | Bertucci-266 | 0,189 | 2,009E-03 | Positive | 1729_at |
| TRADD | 8717 | Black-107 | 0,232 | 1,598E-02 | Positive | 1729_at |
| TRADD | 8717 | Wang-286 | 0,197 | 7,945E-04 | Positive | 205641_s_at |
| TRAF1 | 7185 | Bertucci-266 | 0,236 | 1,036E-04 | Positive | 205599_at |
| TRAF1 | 7185 | Black-107 | 0,191 | 4,833E-02 | Positive | 205599_at |
| TRAF1 | 7185 | Booser-508 | 0,276 | 2,377E-10 | Positive | 205599_at |
| TRAF1 | 7185 | Bos-204 | 0,162 | 2,043E-02 | Positive | 205599_at |

| Gene name | GeneID | Dataset | R | P | Sign | Probe |
|---|---|---|---|---|---|---|
| TRAF1 | 7185 | Chin-124 | 0,251 | 4,950E-03 | Positive | 205599_at |
| TRAF1 | 7185 | Clynes-121 | 0,253 | 5,055E-03 | Positive | 205599_at |
| TRAF1 | 7185 | Iglehart-123 | 0,297 | 8,427E-04 | Positive | 205599_at |
| TRAF1 | 7185 | Jonsdottir-94 | 0,398 | 7,245E-05 | Positive | ILMN_1698218 |
| TRAF1 | 7185 | Smid-210 | 0,156 | 2,406E-02 | Positive | 205599_at |
| TRAF1 | 7185 | Wang-286 | 0,167 | 4,733E-03 | Positive | 205599_at |
| TRAF2 | 7186 | Booser-508 | -0,118 | 7,533E-03 | Negative | 204413_at |
| TRAF2 | 7186 | EXPO-351 | -0,113 | 3,361E-02 | Negative | 204413_at |
| TRAF2 | 7186 | Servant-343 | -0,163 | 2,416E-03 | Negative | ILMN_1691487 |
| TRAF3 | 7187 | Bertucci-266 | 0,233 | 1,225E-04 | Positive | 221571_at |
| TRAF3 | 7187 | Bos-204 | 0,190 | 6,407E-03 | Positive | 221571_at |
| TRAF3 | 7187 | Clynes-121 | 0,229 | 1,155E-02 | Positive | 221571_at |
| TRAF3 | 7187 | Jonsdottir-94 | 0,209 | 4,352E-02 | Positive | ILMN_2383774 |
| TRAF3 | 7187 | Smid-210 | 0,187 | 6,659E-03 | Positive | 221571_at |
| TRAF3 | 7187 | Sotiriou-120 | 0,185 | 4,255E-02 | Positive | 221571_at |
| TRAF5 | 7188 | Bertucci-266 | -0,130 | 3,471E-02 | Negative | 204352_at |
| TRAF5 | 7188 | Booser-508 | -0,109 | 1,405E-02 | Negative | 204352_at |
| TRAF5 | 7188 | EXPO-351 | -0,107 | 4,539E-02 | Negative | 204352_at |
| TRAF5 | 7188 | Minn-96 | -0,216 | 3,492E-02 | Negative | 204352_at |
| TRAF5 | 7188 | Smid-210 | -0,162 | 1,913E-02 | Negative | 204352_at |
| TRAF5 | 7188 | Sotiriou-120 | 0,225 | 1,363E-02 | Positive | 204352_at |
| TRAF6 | 7189 | Bertucci-266 | 0,173 | 4,555E-03 | Positive | 205558_at |
| TRAF6 | 7189 | Booser-508 | 0,111 | 1,268E-02 | Positive | 205558_at |
| TRAF6 | 7189 | Jonsdottir-94 | 0,262 | 1,073E-02 | Positive | ILMN_2392143 |
| TRIM25 | 7706 | Minn-96 | 0,225 | 2,719E-02 | Positive | 206911_at |
| UBE2I | 7329 | Booser-508 | -0,276 | 2,300E-10 | Negative | 213535_s_at |
| UBE2I | 7329 | Minn-96 | -0,290 | 4,179E-03 | Negative | 213535_s_at |
| UBE2I | 7329 | Sotiriou-198 | -0,147 | 3,877E-02 | Negative | 213535_s_at |
| UBE2I | 7329 | Wang-286 | -0,119 | 4,518E-02 | Negative | 213535_s_at |
| VCAM1 | 7412 | Bertucci-266 | 0,314 | 1,777E-07 | Positive | 203868_s_at |
| VCAM1 | 7412 | Black-107 | 0,215 | 2,645E-02 | Positive | 203868_s_at |
| VCAM1 | 7412 | Booser-508 | 0,205 | 3,104E-06 | Positive | 203868_s_at |
| VCAM1 | 7412 | Bos-204 | 0,208 | 2,894E-03 | Positive | 203868_s_at |
| VCAM1 | 7412 | Chin-124 | 0,318 | 3,229E-04 | Positive | 203868_s_at |
| VCAM1 | 7412 | Clynes-121 | 0,419 | 1,681E-06 | Positive | 203868_s_at |
| VCAM1 | 7412 | EXPO-351 | 0,165 | 1,971E-03 | Positive | 203868_s_at |
| VCAM1 | 7412 | Iglehart-123 | 0,325 | 2,446E-04 | Positive | 203868_s_at |
| VCAM1 | 7412 | Jonsdottir-94 | 0,284 | 5,596E-03 | Positive | ILMN_2307903 |
| VCAM1 | 7412 | Minn-96 | 0,204 | 4,637E-02 | Positive | 203868_s_at |
| VCAM1 | 7412 | Smid-210 | 0,198 | 3,934E-03 | Positive | 203868_s_at |
| VCAM1 | 7412 | Sotiriou-198 | 0,215 | 2,407E-03 | Positive | 203868_s_at |
| VCAM1 | 7412 | Wang-286 | 0,308 | 1,113E-07 | Positive | 203868_s_at |
| XIAP | 331 | Booser-508 | 0,173 | 9,246E-05 | Positive | 206536_s_at |
| XIAP | 331 | Servant-343 | 0,109 | 4,376E-02 | Positive | ILMN_1815361 |
| XIAP | 331 | Wang-286 | -0,178 | 2,508E-03 | Negative | 206536_s_at |
| ZAP70 | 7535 | Bertucci-266 | 0,252 | 3,242E-05 | Positive | 214032_at |
| ZAP70 | 7535 | Booser-508 | 0,157 | 3,898E-04 | Positive | 214032_at |
| ZAP70 | 7535 | Bos-204 | 0,151 | 3,093E-02 | Positive | 1555613_a_at |
| ZAP70 | 7535 | Chin-124 | 0,289 | 1,128E-03 | Positive | 214032_at |
| ZAP70 | 7535 | Iglehart-123 | 0,213 | 1,826E-02 | Positive | 1555613_a_at |
| ZAP70 | 7535 | Jonsdottir-94 | 0,254 | 1,360E-02 | Positive | ILMN_1719756 |
| ZAP70 | 7535 | Smid-210 | 0,164 | 1,739E-02 | Positive | 1555613_a_at |
| ZAP70 | 7535 | Wang-286 | 0,169 | 4,245E-03 | Positive | 214032_at |

Supplemental Figure 1 Taminiau *et al.*

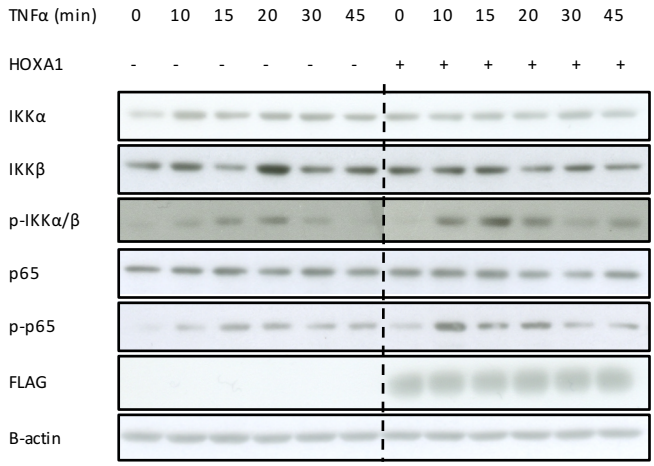


| Primer | Sequence |
|---|---|
| 1 | GGGGACAACTTTGTACAAAAAAGTTGGCATGAACTCCTTTCTGG |
| 2 | GGGGACAACTTTGTACAAAAAAGTTGGCATGTGCGGCGGCGACGACCGC |
| 3 | GCGGCAGCTGCCAAGGAGGGGCTCCTG |
| 4 | GCGGCAGCTGCCACCTTTGACTGGATG |
| 5 | GGGGACAACTTTGTACAAGAAAGTTGGGTAGTGGGAGGTAGTCAGAGTGTC |
| 6 | GGCAGCTGCCGCTTGACCCACGTAGCC |
| 7 | GGCAGCTGCCGCGTGGTGATGGTG |
| 8 | GGCAGCTGCCGCGGGCGAGCTGATCTGCACCCC |
| 9 | GCGGCAGCTGCCCCCCAGACGGCTACTTACCAG |
| 10 | TTAACTGCAGTCACTCACGCTTCTTCTG |

| HOXA1 mutants | First PCR | | Second PCR | |
|---|---|---|---|---|
| | Primer F | Primer R | Primer F | Primer R |
| $HOXA1^{\Delta Nter}$ | 2 | 5 | x | x |
| $HOXA1^{\Delta Center}$ | 1 | 7 | 4 | 5 |
| $HOXA1^{\Delta 11His}$ | 1 | 8 | 9 | 5 |
| $HOXA1^{\Delta HD}$ | 1 | 6 | 3 | 5 |
| $HOXA1^{\Delta Cter}$ | 1 | 10 | x | x |

# Supplemental Figure 2

Taminiau *et al.*



Supplemental Figure 3 Taminiau *et al.*