| *Obs* | *ID* | *trt* | *Estimate* | *StdErr* | *DF* | *tValue* | *Probt* | *Alpha* | *Lower* | *Upper* |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *1* | ACE | HF | 1613.89 | 434.01 | 17.6 | 3.72 | 0.0016 | 0.05 | 700.68 | 2527.10 |
| *2* | ACE | HF+VC | 3116.67 | 434.01 | 17.6 | 7.18 | <.0001 | 0.05 | 2203.46 | 4029.88 |
| *3* | ACE | LF | 1446.23 | 434.01 | 17.6 | 3.33 | 0.0038 | 0.05 | 533.02 | 2359.44 |
| *4* | ACE | LF+VC | 1623.31 | 434.01 | 17.6 | 3.74 | 0.0015 | 0.05 | 710.10 | 2536.52 |
| *5* | Adiponectin | HF | 5185.45 | 303.73 | 23 | 17.07 | <.0001 | 0.05 | 4557.19 | 5813.72 |
| *6* | Adiponectin | HF+VC | 5430.64 | 303.73 | 23 | 17.88 | <.0001 | 0.05 | 4802.38 | 6058.91 |
| *7* | Adiponectin | LF | 6280.25 | 303.73 | 23 | 20.68 | <.0001 | 0.05 | 5651.98 | 6908.51 |
| *8* | Adiponectin | LF+VC | 7299.09 | 303.73 | 23 | 24.03 | <.0001 | 0.05 | 6670.82 | 7927.36 |
| *9* | B7-1 | HF | 248.11 | 108.81 | 16.5 | 2.28 | 0.0362 | 0.05 | 18.0076 | 478.21 |
| *11* | B7-1 | LF | 320.73 | 108.81 | 16.5 | 2.95 | 0.0092 | 0.05 | 90.6229 | 550.83 |
| *12* | B7-1 | LF+VC | 560.05 | 108.81 | 16.5 | 5.15 | <.0001 | 0.05 | 329.95 | 790.15 |
| *13* | BAFF R | HF | 315.38 | 100.40 | 16.4 | 3.14 | 0.0062 | 0.05 | 102.95 | 527.81 |
| *14* | BAFF R | HF+VC | 261.30 | 100.40 | 16.4 | 2.60 | 0.0190 | 0.05 | 48.8714 | 473.74 |
| *15* | BAFF R | LF | 405.75 | 100.40 | 16.4 | 4.04 | 0.0009 | 0.05 | 193.31 | 618.18 |
| *16* | BAFF R | LF+VC | 464.75 | 100.40 | 16.4 | 4.63 | 0.0003 | 0.05 | 252.32 | 677.19 |
| *17* | BTC | HF | 640.84 | 246.09 | 15.6 | 2.60 | 0.0195 | 0.05 | 118.01 | 1163.67 |
| *18* | BTC | HF+VC | 1053.30 | 246.09 | 15.6 | 4.28 | 0.0006 | 0.05 | 530.47 | 1576.12 |
| *19* | BTC | LF | 1502.23 | 246.09 | 15.6 | 6.10 | <.0001 | 0.05 | 979.40 | 2025.06 |
| *20* | BTC | LF+VC | 1095.64 | 246.09 | 15.6 | 4.45 | 0.0004 | 0.05 | 572.81 | 1618.47 |
| *21* | C5a | HF | 602.22 | 282.96 | 15.9 | 2.13 | 0.0493 | 0.05 | 2.1499 | 1202.28 |
| *22* | C5a | HF+VC | 740.58 | 282.96 | 15.9 | 2.62 | 0.0187 | 0.05 | 140.52 | 1340.65 |
| *23* | C5a | LF | 1274.20 | 282.96 | 15.9 | 4.50 | 0.0004 | 0.05 | 674.13 | 1874.26 |
| *24* | C5a | LF+VC | 1188.32 | 282.96 | 15.9 | 4.20 | 0.0007 | 0.05 | 588.25 | 1788.39 |
| *27* | CCL6 | LF | 442.44 | 193.53 | 16 | 2.29 | 0.0362 | 0.05 | 32.2619 | 852.62 |
| *28* | CCL6 | LF+VC | 1024.85 | 193.53 | 16 | 5.30 | <.0001 | 0.05 | 614.67 | 1435.03 |
| *30* | CD27 | HF+VC | 1386.68 | 382.70 | 17.9 | 3.62 | 0.0020 | 0.05 | 582.33 | 2191.03 |
| *33* | CD36 | HF | 2198.20 | 883.10 | 16 | 2.49 | 0.0242 | 0.05 | 325.67 | 4070.73 |
| *34* | CD36 | HF+VC | 2680.36 | 883.10 | 16 | 3.04 | 0.0079 | 0.05 | 807.83 | 4552.89 |
| *35* | CD36 | LF | 3137.25 | 883.10 | 16 | 3.55 | 0.0027 | 0.05 | 1264.72 | 5009.78 |
| *36* | CD36 | LF+VC | 4106.99 | 883.10 | 16 | 4.65 | 0.0003 | 0.05 | 2234.46 | 5979.52 |
| *39* | CD40 | LF | 727.96 | 162.46 | 17.5 | 4.48 | 0.0003 | 0.05 | 385.97 | 1069.95 |
| *40* | CD40 | LF+VC | 2411.33 | 162.46 | 17.5 | 14.84 | <.0001 | 0.05 | 2069.34 | 2753.32 |
| *41* | CD40L | HF | 374.88 | 172.24 | 16 | 2.18 | 0.0448 | 0.05 | 9.7714 | 739.99 |
| *42* | CD40L | HF+VC | 396.34 | 172.24 | 16 | 2.30 | 0.0352 | 0.05 | 31.2283 | 761.45 |
| *43* | CD40L | LF | 561.41 | 172.24 | 16 | 3.26 | 0.0049 | 0.05 | 196.30 | 926.52 |
| *44* | CD40L | LF+VC | 455.30 | 172.24 | 16 | 2.64 | 0.0177 | 0.05 | 90.1935 | 820.41 |
| *45* | CD48 | HF | 714.01 | 312.76 | 16.4 | 2.28 | 0.0361 | 0.05 | 52.2815 | 1375.73 |
| *47* | CD48 | LF | 979.21 | 312.76 | 16.4 | 3.13 | 0.0063 | 0.05 | 317.49 | 1640.94 |
| *48* | CD48 | LF+VC | 2276.99 | 312.76 | 16.4 | 7.28 | <.0001 | 0.05 | 1615.26 | 2938.71 |
| *52* | CD6 | LF+VC | 646.53 | 167.53 | 15.4 | 3.86 | 0.0015 | 0.05 | 290.24 | 1002.82 |
| *53* | CRP | HF | 2169.44 | 433.99 | 16.9 | 5.00 | 0.0001 | 0.05 | 1253.46 | 3085.43 |
| *54* | CRP | HF+VC | 2149.48 | 433.99 | 16.9 | 4.95 | 0.0001 | 0.05 | 1233.50 | 3065.47 |
| *55* | CRP | LF | 2519.99 | 433.99 | 16.9 | 5.81 | <.0001 | 0.05 | 1604.00 | 3435.97 |
| *56* | CRP | LF+VC | 2336.42 | 433.99 | 16.9 | 5.38 | <.0001 | 0.05 | 1420.43 | 3252.40 |
| *59* | CT-1 | LF | 1773.80 | 669.00 | 16 | 2.65 | 0.0174 | 0.05 | 355.29 | 3192.31 |
| *61* | Clusterin | HF | 15276 | 1185.83 | 16.3 | 12.88 | <.0001 | 0.05 | 12766 | 17786 |
| *62* | Clusterin | HF+VC | 14360 | 1185.83 | 16.3 | 12.11 | <.0001 | 0.05 | 11850 | 16870 |
| *63* | Clusterin | LF | 19093 | 1185.83 | 16.3 | 16.10 | <.0001 | 0.05 | 16583 | 21604 |
| *64* | Clusterin | LF+VC | 20304 | 1185.83 | 16.3 | 17.12 | <.0001 | 0.05 | 17793 | 22814 |
| *65* | Cystatin C | HF | 11861 | 707.97 | 15.7 | 16.75 | <.0001 | 0.05 | 10358 | 13364 |
| *66* | Cystatin C | HF+VC | 11359 | 707.97 | 15.7 | 16.04 | <.0001 | 0.05 | 9856.20 | 12862 |
| *67* | Cystatin C | LF | 14347 | 707.97 | 15.7 | 20.26 | <.0001 | 0.05 | 12844 | 15850 |
| *68* | Cystatin C | LF+VC | 15194 | 707.97 | 15.7 | 21.46 | <.0001 | 0.05 | 13690 | 16697 |
| *70* | DAN | HF+VC | 786.00 | 260.25 | 16.3 | 3.02 | 0.0080 | 0.05 | 235.01 | 1336.98 |
| *71* | DAN | LF | 1355.59 | 260.25 | 16.3 | 5.21 | <.0001 | 0.05 | 804.60 | 1906.57 |
| *72* | DAN | LF+VC | 1097.00 | 260.25 | 16.3 | 4.22 | 0.0006 | 0.05 | 546.01 | 1647.98 |
| *73* | Decorin | HF | 106570 | 4100.73 | 19.7 | 25.99 | <.0001 | 0.05 | 98007 | 115132 |
| *74* | Decorin | HF+VC | 110920 | 4100.73 | 19.7 | 27.05 | <.0001 | 0.05 | 102358 | 119483 |
| *75* | Decorin | LF | 99426 | 4100.73 | 19.7 | 24.25 | <.0001 | 0.05 | 90863 | 107988 |
| *76* | Decorin | LF+VC | 117428 | 4100.73 | 19.7 | 28.64 | <.0001 | 0.05 | 108865 | 125990 |
| *77* | Dtk | HF | 4198.59 | 1016.92 | 16.1 | 4.13 | 0.0008 | 0.05 | 2044.29 | 6352.89 |
| *78* | Dtk | HF+VC | 5742.97 | 1016.92 | 16.1 | 5.65 | <.0001 | 0.05 | 3588.67 | 7897.26 |
| *79* | Dtk | LF | 6500.56 | 1016.92 | 16.1 | 6.39 | <.0001 | 0.05 | 4346.26 | 8654.85 |
| *80* | Dtk | LF+VC | 5331.23 | 1016.92 | 16.1 | 5.24 | <.0001 | 0.05 | 3176.93 | 7485.53 |
| *81* | E-Cadherin | HF | 9981.62 | 969.63 | 17.7 | 10.29 | <.0001 | 0.05 | 7942.33 | 12021 |
| *82* | E-Cadherin | HF+VC | 9787.88 | 969.63 | 17.7 | 10.09 | <.0001 | 0.05 | 7748.60 | 11827 |
| *83* | E-Cadherin | LF | 13402 | 969.63 | 17.7 | 13.82 | <.0001 | 0.05 | 11363 | 15442 |
| *84* | E-Cadherin | LF+VC | 10957 | 969.63 | 17.7 | 11.30 | <.0001 | 0.05 | 8917.92 | 12996 |
| *85* | EGF | HF | 3843.27 | 1025.07 | 16.2 | 3.75 | 0.0017 | 0.05 | 1672.05 | 6014.48 |
| *86* | EGF | HF+VC | 4347.04 | 1025.07 | 16.2 | 4.24 | 0.0006 | 0.05 | 2175.83 | 6518.25 |
| *87* | EGF | LF | 3882.36 | 1025.07 | 16.2 | 3.79 | 0.0016 | 0.05 | 1711.15 | 6053.57 |
| *88* | EGF | LF+VC | 2734.43 | 1025.07 | 16.2 | 2.67 | 0.0167 | 0.05 | 563.22 | 4905.65 |
| *89* | Endoglin | HF | 1021.05 | 193.71 | 19.7 | 5.27 | <.0001 | 0.05 | 616.52 | 1425.58 |
| *90* | Endoglin | HF+VC | 1718.70 | 193.71 | 19.7 | 8.87 | <.0001 | 0.05 | 1314.17 | 2123.22 |
| *91* | Endoglin | LF | 1537.86 | 193.71 | 19.7 | 7.94 | <.0001 | 0.05 | 1133.34 | 1942.39 |
| *92* | Endoglin | LF+VC | 1136.88 | 193.71 | 19.7 | 5.87 | <.0001 | 0.05 | 732.35 | 1541.41 |
| *93* | Eotaxin | HF | 429.67 | 177.59 | 16.7 | 2.42 | 0.0273 | 0.05 | 54.4007 | 804.94 |
| *94* | Eotaxin | HF+VC | 744.96 | 177.59 | 16.7 | 4.19 | 0.0006 | 0.05 | 369.69 | 1120.23 |
| *95* | Eotaxin | LF | 1085.76 | 177.59 | 16.7 | 6.11 | <.0001 | 0.05 | 710.49 | 1461.03 |
| *96* | Eotaxin | LF+VC | 1276.70 | 177.59 | 16.7 | 7.19 | <.0001 | 0.05 | 901.43 | 1651.96 |
| *97* | Fcg RIIB | HF | 5475.93 | 550.06 | 17.5 | 9.96 | <.0001 | 0.05 | 4317.83 | 6634.03 |
| *98* | Fcg RIIB | HF+VC | 5412.36 | 550.06 | 17.5 | 9.84 | <.0001 | 0.05 | 4254.26 | 6570.46 |
| *99* | Fcg RIIB | LF | 6192.31 | 550.06 | 17.5 | 11.26 | <.0001 | 0.05 | 5034.21 | 7350.41 |
| *100* | Fcg RIIB | LF+VC | 3883.72 | 550.06 | 17.5 | 7.06 | <.0001 | 0.05 | 2725.62 | 5041.82 |
| *101* | Fetuin A | HF | 973.96 | 447.78 | 17.3 | 2.18 | 0.0437 | 0.05 | 30.6615 | 1917.26 |
| *103* | Fetuin A | LF | 2061.49 | 447.78 | 17.3 | 4.60 | 0.0002 | 0.05 | 1118.19 | 3004.79 |
| *104* | Fetuin A | LF+VC | 2918.76 | 447.78 | 17.3 | 6.52 | <.0001 | 0.05 | 1975.45 | 3862.06 |
| *106* | Flt-3L | HF+VC | 852.64 | 253.90 | 15.4 | 3.36 | 0.0042 | 0.05 | 312.70 | 1392.57 |
| *107* | Flt-3L | LF | 795.24 | 253.90 | 15.4 | 3.13 | 0.0067 | 0.05 | 255.30 | 1335.18 |
| *108* | Flt-3L | LF+VC | 1055.58 | 253.90 | 15.4 | 4.16 | 0.0008 | 0.05 | 515.64 | 1595.52 |
| *109* | GITR | HF | 367.62 | 125.20 | 15.9 | 2.94 | 0.0097 | 0.05 | 102.12 | 633.12 |
| *110* | GITR | HF+VC | 311.32 | 125.20 | 15.9 | 2.49 | 0.0244 | 0.05 | 45.8209 | 576.83 |
| *111* | GITR | LF | 353.48 | 125.20 | 15.9 | 2.82 | 0.0123 | 0.05 | 87.9757 | 618.98 |
| *112* | GITR | LF+VC | 805.88 | 125.20 | 15.9 | 6.44 | <.0001 | 0.05 | 540.37 | 1071.38 |
| *113* | Galectin-1 | HF | 30006 | 1908.13 | 19.3 | 15.73 | <.0001 | 0.05 | 26016 | 33995 |
| *114* | Galectin-1 | HF+VC | 35655 | 1908.13 | 19.3 | 18.69 | <.0001 | 0.05 | 31666 | 39645 |
| *115* | Galectin-1 | LF | 37457 | 1908.13 | 19.3 | 19.63 | <.0001 | 0.05 | 33467 | 41446 |
| *116* | Galectin-1 | LF+VC | 32899 | 1908.13 | 19.3 | 17.24 | <.0001 | 0.05 | 28909 | 36888 |
| *117* | Galectin-3 | HF | 19066 | 1548.17 | 19 | 12.32 | <.0001 | 0.05 | 15826 | 22307 |
| *118* | Galectin-3 | HF+VC | 16932 | 1548.17 | 19 | 10.94 | <.0001 | 0.05 | 13692 | 20173 |
| *119* | Galectin-3 | LF | 19717 | 1548.17 | 19 | 12.74 | <.0001 | 0.05 | 16477 | 22958 |
| *120* | Galectin-3 | LF+VC | 21902 | 1548.17 | 19 | 14.15 | <.0001 | 0.05 | 18661 | 25142 |
| *121* | Gas 1 | HF | 3777.58 | 740.54 | 16 | 5.10 | 0.0001 | 0.05 | 2207.62 | 5347.54 |
| *122* | Gas 1 | HF+VC | 4275.94 | 740.54 | 16 | 5.77 | <.0001 | 0.05 | 2705.98 | 5845.90 |
| *123* | Gas 1 | LF | 5222.51 | 740.54 | 16 | 7.05 | <.0001 | 0.05 | 3652.55 | 6792.47 |
| *124* | Gas 1 | LF+VC | 4878.64 | 740.54 | 16 | 6.59 | <.0001 | 0.05 | 3308.68 | 6448.61 |
| *125* | HAI-1 | HF | 1374.29 | 287.09 | 16 | 4.79 | 0.0002 | 0.05 | 765.64 | 1982.94 |
| *126* | HAI-1 | HF+VC | 1705.19 | 287.09 | 16 | 5.94 | <.0001 | 0.05 | 1096.54 | 2313.84 |
| *127* | HAI-1 | LF | 1865.14 | 287.09 | 16 | 6.50 | <.0001 | 0.05 | 1256.49 | 2473.79 |
| *128* | HAI-1 | LF+VC | 1745.59 | 287.09 | 16 | 6.08 | <.0001 | 0.05 | 1136.94 | 2354.24 |
| *129* | HGF | HF | 605.85 | 73.1132 | 20.6 | 8.29 | <.0001 | 0.05 | 453.64 | 758.06 |
| *130* | HGF | HF+VC | 542.03 | 73.1132 | 20.6 | 7.41 | <.0001 | 0.05 | 389.83 | 694.24 |
| *131* | HGF | LF | 614.19 | 73.1132 | 20.6 | 8.40 | <.0001 | 0.05 | 461.98 | 766.40 |
| *132* | HGF | LF+VC | 578.63 | 73.1132 | 20.6 | 7.91 | <.0001 | 0.05 | 426.42 | 730.84 |
| *133* | I-TAC | HF | 310.48 | 112.19 | 16.5 | 2.77 | 0.0135 | 0.05 | 73.2065 | 547.76 |
| *134* | I-TAC | HF+VC | 246.03 | 112.19 | 16.5 | 2.19 | 0.0430 | 0.05 | 8.7526 | 483.30 |
| *135* | I-TAC | LF | 357.35 | 112.19 | 16.5 | 3.19 | 0.0056 | 0.05 | 120.07 | 594.63 |
| *137* | ICAM-1 | HF | 4231.08 | 747.50 | 16.5 | 5.66 | <.0001 | 0.05 | 2650.46 | 5811.69 |
| *138* | ICAM-1 | HF+VC | 5336.25 | 747.50 | 16.5 | 7.14 | <.0001 | 0.05 | 3755.63 | 6916.86 |
| *139* | ICAM-1 | LF | 2359.59 | 747.50 | 16.5 | 3.16 | 0.0059 | 0.05 | 778.98 | 3940.21 |
| *140* | ICAM-1 | LF+VC | 3883.09 | 747.50 | 16.5 | 5.19 | <.0001 | 0.05 | 2302.47 | 5463.70 |
| *141* | IGF-1 | HF | 31612 | 2181.02 | 18.1 | 14.49 | <.0001 | 0.05 | 27032 | 36193 |
| *142* | IGF-1 | HF+VC | 31513 | 2181.02 | 18.1 | 14.45 | <.0001 | 0.05 | 26932 | 36094 |
| *143* | IGF-1 | LF | 37357 | 2181.02 | 18.1 | 17.13 | <.0001 | 0.05 | 32776 | 41938 |
| *144* | IGF-1 | LF+VC | 47159 | 2181.02 | 18.1 | 21.62 | <.0001 | 0.05 | 42578 | 51740 |
| *145* | IGFBP-2 | HF | 1301.73 | 287.42 | 15.8 | 4.53 | 0.0004 | 0.05 | 691.95 | 1911.50 |
| *146* | IGFBP-2 | HF+VC | 1144.43 | 287.42 | 15.8 | 3.98 | 0.0011 | 0.05 | 534.65 | 1754.21 |
| *147* | IGFBP-2 | LF | 1981.47 | 287.42 | 15.8 | 6.89 | <.0001 | 0.05 | 1371.70 | 2591.25 |
| *148* | IGFBP-2 | LF+VC | 1530.72 | 287.42 | 15.8 | 5.33 | <.0001 | 0.05 | 920.95 | 2140.50 |
| *149* | IGFBP-3 | HF | 1256.57 | 93.7237 | 22 | 13.41 | <.0001 | 0.05 | 1062.22 | 1450.92 |
| *150* | IGFBP-3 | HF+VC | 1219.89 | 93.7237 | 22 | 13.02 | <.0001 | 0.05 | 1025.54 | 1414.24 |
| *151* | IGFBP-3 | LF | 1588.39 | 93.7237 | 22 | 16.95 | <.0001 | 0.05 | 1394.04 | 1782.74 |
| *152* | IGFBP-3 | LF+VC | 1054.46 | 93.7237 | 22 | 11.25 | <.0001 | 0.05 | 860.11 | 1248.81 |
| *153* | IGFBP-6 | HF | 821.06 | 66.4978 | 14.4 | 12.35 | <.0001 | 0.05 | 678.85 | 963.27 |
| *154* | IGFBP-6 | HF+VC | 865.38 | 66.4978 | 14.4 | 13.01 | <.0001 | 0.05 | 723.17 | 1007.59 |
| *155* | IGFBP-6 | LF | 1016.04 | 66.4978 | 14.4 | 15.28 | <.0001 | 0.05 | 873.83 | 1158.25 |
| *156* | IGFBP-6 | LF+VC | 975.38 | 66.4978 | 14.4 | 14.67 | <.0001 | 0.05 | 833.17 | 1117.59 |
| *158* | IL-15 | HF+VC | 1496.50 | 310.67 | 16.1 | 4.82 | 0.0002 | 0.05 | 838.22 | 2154.77 |
| *159* | IL-15 | LF | 914.93 | 310.67 | 16.1 | 2.95 | 0.0095 | 0.05 | 256.65 | 1573.20 |
| *161* | IL-17E | HF | 629.10 | 145.41 | 19.6 | 4.33 | 0.0003 | 0.05 | 325.41 | 932.79 |
| *162* | IL-17E | HF+VC | 512.17 | 145.41 | 19.6 | 3.52 | 0.0022 | 0.05 | 208.48 | 815.86 |
| *163* | IL-17E | LF | 704.78 | 145.41 | 19.6 | 4.85 | 0.0001 | 0.05 | 401.09 | 1008.48 |
| *164* | IL-17E | LF+VC | 675.40 | 145.41 | 19.6 | 4.64 | 0.0002 | 0.05 | 371.71 | 979.09 |
| *166* | IL-1ra | HF+VC | 1810.95 | 820.83 | 15.9 | 2.21 | 0.0424 | 0.05 | 70.0928 | 3551.80 |
| *167* | IL-1ra | LF | 1838.18 | 820.83 | 15.9 | 2.24 | 0.0398 | 0.05 | 97.3214 | 3579.03 |
| *168* | IL-1ra | LF+VC | 4404.06 | 820.83 | 15.9 | 5.37 | <.0001 | 0.05 | 2663.21 | 6144.91 |
| *169* | IL-2 Ra | HF | 313.08 | 105.53 | 17.9 | 2.97 | 0.0083 | 0.05 | 91.2557 | 534.91 |
| *170* | IL-2 Ra | HF+VC | 278.61 | 105.53 | 17.9 | 2.64 | 0.0167 | 0.05 | 56.7884 | 500.44 |
| *171* | IL-2 Ra | LF | 350.21 | 105.53 | 17.9 | 3.32 | 0.0039 | 0.05 | 128.39 | 572.04 |
| *172* | IL-2 Ra | LF+VC | 428.22 | 105.53 | 17.9 | 4.06 | 0.0007 | 0.05 | 206.39 | 650.05 |
| *173* | IL-21 | HF | 183.03 | 62.7210 | 17 | 2.92 | 0.0096 | 0.05 | 50.7214 | 315.35 |
| *175* | IL-21 | LF | 248.20 | 62.7210 | 17 | 3.96 | 0.0010 | 0.05 | 115.89 | 380.51 |
| *176* | IL-21 | LF+VC | 171.65 | 62.7210 | 17 | 2.74 | 0.0140 | 0.05 | 39.3355 | 303.96 |
| *177* | IL-33 | HF | 747.84 | 280.99 | 15.8 | 2.66 | 0.0172 | 0.05 | 151.68 | 1344.00 |
| *178* | IL-33 | HF+VC | 833.98 | 280.99 | 15.8 | 2.97 | 0.0091 | 0.05 | 237.82 | 1430.14 |
| *179* | IL-33 | LF | 730.31 | 280.99 | 15.8 | 2.60 | 0.0195 | 0.05 | 134.15 | 1326.47 |
| *180* | IL-33 | LF+VC | 952.96 | 280.99 | 15.8 | 3.39 | 0.0038 | 0.05 | 356.80 | 1549.12 |
| *181* | JAM-A | HF | 13454 | 807.42 | 19.7 | 16.66 | <.0001 | 0.05 | 11768 | 15140 |
| *182* | JAM-A | HF+VC | 14050 | 807.42 | 19.7 | 17.40 | <.0001 | 0.05 | 12364 | 15736 |
| *183* | JAM-A | LF | 14546 | 807.42 | 19.7 | 18.01 | <.0001 | 0.05 | 12860 | 16231 |
| *184* | JAM-A | LF+VC | 14662 | 807.42 | 19.7 | 18.16 | <.0001 | 0.05 | 12976 | 16347 |
| *185* | KC | HF | 202.80 | 94.8573 | 16.7 | 2.14 | 0.0476 | 0.05 | 2.3666 | 403.23 |
| *187* | KC | LF | 299.98 | 94.8573 | 16.7 | 3.16 | 0.0058 | 0.05 | 99.5454 | 500.41 |
| *188* | KC | LF+VC | 259.91 | 94.8573 | 16.7 | 2.74 | 0.0141 | 0.05 | 59.4813 | 460.34 |
| *192* | L-Selectin | LF+VC | 2156.22 | 456.63 | 15.7 | 4.72 | 0.0002 | 0.05 | 1186.70 | 3125.73 |
| *197* | Lipocalin-2 | HF | 3184.81 | 568.84 | 16.3 | 5.60 | <.0001 | 0.05 | 1980.64 | 4388.98 |
| *198* | Lipocalin-2 | HF+VC | 3050.58 | 568.84 | 16.3 | 5.36 | <.0001 | 0.05 | 1846.41 | 4254.75 |
| *199* | Lipocalin-2 | LF | 4653.96 | 568.84 | 16.3 | 8.18 | <.0001 | 0.05 | 3449.79 | 5858.13 |
| *200* | Lipocalin-2 | LF+VC | 4053.35 | 568.84 | 16.3 | 7.13 | <.0001 | 0.05 | 2849.18 | 5257.52 |
| *201* | MBL-2 | HF | 3837.91 | 1416.27 | 14.5 | 2.71 | 0.0165 | 0.05 | 810.79 | 6865.03 |
| *202* | MBL-2 | HF+VC | 3751.75 | 1416.27 | 14.5 | 2.65 | 0.0186 | 0.05 | 724.63 | 6778.87 |
| *203* | MBL-2 | LF | 9272.38 | 1416.27 | 14.5 | 6.55 | <.0001 | 0.05 | 6245.26 | 12300 |
| *204* | MBL-2 | LF+VC | 11684 | 1416.27 | 14.5 | 8.25 | <.0001 | 0.05 | 8656.54 | 14711 |
| *205* | MCP-5 | HF | 169.91 | 39.6648 | 17.1 | 4.28 | 0.0005 | 0.05 | 86.2521 | 253.56 |
| *206* | MCP-5 | HF+VC | 137.49 | 39.6648 | 17.1 | 3.47 | 0.0029 | 0.05 | 53.8348 | 221.15 |
| *207* | MCP-5 | LF | 202.92 | 39.6648 | 17.1 | 5.12 | <.0001 | 0.05 | 119.27 | 286.58 |
| *208* | MCP-5 | LF+VC | 225.28 | 39.6648 | 17.1 | 5.68 | <.0001 | 0.05 | 141.63 | 308.94 |
| *209* | MIG | HF | 297.24 | 102.32 | 18 | 2.90 | 0.0094 | 0.05 | 82.2586 | 512.22 |
| *210* | MIG | HF+VC | 238.20 | 102.32 | 18 | 2.33 | 0.0318 | 0.05 | 23.2218 | 453.18 |
| *211* | MIG | LF | 458.85 | 102.32 | 18 | 4.48 | 0.0003 | 0.05 | 243.87 | 673.83 |
| *212* | MIG | LF+VC | 334.71 | 102.32 | 18 | 3.27 | 0.0042 | 0.05 | 119.73 | 549.69 |
| *213* | MIP-1g | HF | 30967 | 3612.78 | 15.5 | 8.57 | <.0001 | 0.05 | 23288 | 38647 |
| *214* | MIP-1g | HF+VC | 29283 | 3612.78 | 15.5 | 8.11 | <.0001 | 0.05 | 21603 | 36963 |
| *215* | MIP-1g | LF | 19765 | 3612.78 | 15.5 | 5.47 | <.0001 | 0.05 | 12085 | 27445 |
| *216* | MIP-1g | LF+VC | 23245 | 3612.78 | 15.5 | 6.43 | <.0001 | 0.05 | 15566 | 30925 |
| *218* | MIP-3b | HF+VC | 570.29 | 233.38 | 17.5 | 2.44 | 0.0254 | 0.05 | 78.9392 | 1061.65 |
| *219* | MIP-3b | LF | 736.19 | 233.38 | 17.5 | 3.15 | 0.0056 | 0.05 | 244.83 | 1227.54 |
| *221* | MMP-10 | HF | 307.68 | 113.30 | 15.1 | 2.72 | 0.0159 | 0.05 | 66.3208 | 549.03 |
| *222* | MMP-10 | HF+VC | 360.71 | 113.30 | 15.1 | 3.18 | 0.0061 | 0.05 | 119.36 | 602.07 |
| *223* | MMP-10 | LF | 499.14 | 113.30 | 15.1 | 4.41 | 0.0005 | 0.05 | 257.78 | 740.50 |
| *224* | MMP-10 | LF+VC | 391.74 | 113.30 | 15.1 | 3.46 | 0.0035 | 0.05 | 150.38 | 633.10 |
| *227* | MMP-2 | LF | 370.10 | 106.43 | 16 | 3.48 | 0.0031 | 0.05 | 144.53 | 595.67 |
| *228* | MMP-2 | LF+VC | 285.89 | 106.43 | 16 | 2.69 | 0.0162 | 0.05 | 60.3235 | 511.46 |
| *229* | MMP-3 | HF | 282.87 | 92.2332 | 16.2 | 3.07 | 0.0073 | 0.05 | 87.5600 | 478.18 |
| *230* | MMP-3 | HF+VC | 248.64 | 92.2332 | 16.2 | 2.70 | 0.0158 | 0.05 | 53.3271 | 443.95 |
| *231* | MMP-3 | LF | 229.09 | 92.2332 | 16.2 | 2.48 | 0.0243 | 0.05 | 33.7786 | 424.40 |
| *232* | MMP-3 | LF+VC | 276.37 | 92.2332 | 16.2 | 3.00 | 0.0084 | 0.05 | 81.0566 | 471.68 |
| *233* | Marapsin | HF | 496.53 | 135.89 | 17.1 | 3.65 | 0.0019 | 0.05 | 209.98 | 783.07 |
| *234* | Marapsin | HF+VC | 489.35 | 135.89 | 17.1 | 3.60 | 0.0022 | 0.05 | 202.80 | 775.89 |
| *235* | Marapsin | LF | 886.21 | 135.89 | 17.1 | 6.52 | <.0001 | 0.05 | 599.66 | 1172.75 |
| *236* | Marapsin | LF+VC | 548.15 | 135.89 | 17.1 | 4.03 | 0.0009 | 0.05 | 261.60 | 834.70 |
| *239* | NOV | LF | 1391.98 | 200.09 | 18.3 | 6.96 | <.0001 | 0.05 | 972.13 | 1811.83 |
| *240* | NOV | LF+VC | 1056.43 | 200.09 | 18.3 | 5.28 | <.0001 | 0.05 | 636.59 | 1476.28 |
| *241* | OPN | HF | 3955.76 | 742.46 | 15.7 | 5.33 | <.0001 | 0.05 | 2379.51 | 5532.00 |
| *242* | OPN | HF+VC | 3750.45 | 742.46 | 15.7 | 5.05 | 0.0001 | 0.05 | 2174.21 | 5326.70 |
| *243* | OPN | LF | 4242.65 | 742.46 | 15.7 | 5.71 | <.0001 | 0.05 | 2666.41 | 5818.90 |
| *244* | OPN | LF+VC | 3551.37 | 742.46 | 15.7 | 4.78 | 0.0002 | 0.05 | 1975.13 | 5127.62 |
| *245* | OX40 Ligand | HF | 1993.20 | 454.43 | 16 | 4.39 | 0.0005 | 0.05 | 1030.02 | 2956.39 |
| *246* | OX40 Ligand | HF+VC | 1364.34 | 454.43 | 16 | 3.00 | 0.0084 | 0.05 | 401.15 | 2327.52 |
| *247* | OX40 Ligand | LF | 1542.12 | 454.43 | 16 | 3.39 | 0.0037 | 0.05 | 578.94 | 2505.31 |
| *248* | OX40 Ligand | LF+VC | 1161.47 | 454.43 | 16 | 2.56 | 0.0211 | 0.05 | 198.28 | 2124.65 |
| *249* | P-Cadherin | HF | 310.01 | 127.21 | 17.1 | 2.44 | 0.0260 | 0.05 | 41.7247 | 578.30 |
| *250* | P-Cadherin | HF+VC | 328.64 | 127.21 | 17.1 | 2.58 | 0.0193 | 0.05 | 60.3540 | 596.93 |
| *251* | P-Cadherin | LF | 472.68 | 127.21 | 17.1 | 3.72 | 0.0017 | 0.05 | 204.39 | 740.97 |
| *252* | P-Cadherin | LF+VC | 651.33 | 127.21 | 17.1 | 5.12 | <.0001 | 0.05 | 383.04 | 919.62 |
| *253* | P-selectin | HF | 2600.94 | 1174.13 | 15.9 | 2.22 | 0.0416 | 0.05 | 111.26 | 5090.62 |
| *254* | P-selectin | HF+VC | 3236.83 | 1174.13 | 15.9 | 2.76 | 0.0141 | 0.05 | 747.15 | 5726.51 |
| *255* | P-selectin | LF | 4304.65 | 1174.13 | 15.9 | 3.67 | 0.0021 | 0.05 | 1814.97 | 6794.32 |
| *256* | P-selectin | LF+VC | 5768.51 | 1174.13 | 15.9 | 4.91 | 0.0002 | 0.05 | 3278.83 | 8258.18 |
| *257* | PDGF-AA | HF | 535.58 | 210.40 | 16.4 | 2.55 | 0.0213 | 0.05 | 90.3717 | 980.79 |
| *258* | PDGF-AA | HF+VC | 517.47 | 210.40 | 16.4 | 2.46 | 0.0254 | 0.05 | 72.2632 | 962.68 |
| *259* | PDGF-AA | LF | 590.26 | 210.40 | 16.4 | 2.81 | 0.0125 | 0.05 | 145.05 | 1035.47 |
| *260* | PDGF-AA | LF+VC | 646.39 | 210.40 | 16.4 | 3.07 | 0.0071 | 0.05 | 201.18 | 1091.60 |
| *261* | PF4 | HF | 4481.26 | 2063.21 | 16.1 | 2.17 | 0.0452 | 0.05 | 109.14 | 8853.39 |
| *262* | PF4 | HF+VC | 5426.83 | 2063.21 | 16.1 | 2.63 | 0.0181 | 0.05 | 1054.70 | 9798.95 |
| *263* | PF4 | LF | 4394.31 | 2063.21 | 16.1 | 2.13 | 0.0490 | 0.05 | 22.1900 | 8766.44 |
| *264* | PF4 | LF+VC | 6718.69 | 2063.21 | 16.1 | 3.26 | 0.0049 | 0.05 | 2346.56 | 11091 |
| *265* | Pentraxin 3 | HF | 511.61 | 188.46 | 17.4 | 2.71 | 0.0145 | 0.05 | 114.72 | 908.50 |
| *266* | Pentraxin 3 | HF+VC | 466.72 | 188.46 | 17.4 | 2.48 | 0.0238 | 0.05 | 69.8277 | 863.61 |
| *267* | Pentraxin 3 | LF | 759.12 | 188.46 | 17.4 | 4.03 | 0.0008 | 0.05 | 362.23 | 1156.01 |
| *268* | Pentraxin 3 | LF+VC | 581.78 | 188.46 | 17.4 | 3.09 | 0.0065 | 0.05 | 184.89 | 978.67 |
| *269* | Periostin | HF | 3836.44 | 779.41 | 16.4 | 4.92 | 0.0001 | 0.05 | 2187.45 | 5485.43 |
| *270* | Periostin | HF+VC | 2951.52 | 779.41 | 16.4 | 3.79 | 0.0016 | 0.05 | 1302.52 | 4600.51 |
| *271* | Periostin | LF | 4096.26 | 779.41 | 16.4 | 5.26 | <.0001 | 0.05 | 2447.27 | 5745.26 |
| *272* | Periostin | LF+VC | 7318.45 | 779.41 | 16.4 | 9.39 | <.0001 | 0.05 | 5669.46 | 8967.45 |
| *275* | PlGF-2 | LF | 2646.69 | 465.64 | 16.8 | 5.68 | <.0001 | 0.05 | 1663.40 | 3629.99 |
| *276* | PlGF-2 | LF+VC | 3035.50 | 465.64 | 16.8 | 6.52 | <.0001 | 0.05 | 2052.21 | 4018.80 |
| *277* | Progranulin | HF | 1855.42 | 554.30 | 15.7 | 3.35 | 0.0042 | 0.05 | 678.36 | 3032.48 |
| *278* | Progranulin | HF+VC | 2240.73 | 554.30 | 15.7 | 4.04 | 0.0010 | 0.05 | 1063.67 | 3417.79 |
| *279* | Progranulin | LF | 2737.14 | 554.30 | 15.7 | 4.94 | 0.0002 | 0.05 | 1560.08 | 3914.20 |
| *280* | Progranulin | LF+VC | 3558.17 | 554.30 | 15.7 | 6.42 | <.0001 | 0.05 | 2381.11 | 4735.23 |
| *281* | Renin 1 | HF | 593.45 | 166.94 | 16 | 3.55 | 0.0026 | 0.05 | 239.56 | 947.34 |
| *282* | Renin 1 | HF+VC | 499.69 | 166.94 | 16 | 2.99 | 0.0086 | 0.05 | 145.79 | 853.58 |
| *283* | Renin 1 | LF | 812.73 | 166.94 | 16 | 4.87 | 0.0002 | 0.05 | 458.84 | 1166.62 |
| *284* | Renin 1 | LF+VC | 786.58 | 166.94 | 16 | 4.71 | 0.0002 | 0.05 | 432.69 | 1140.47 |
| *285* | Resistin | HF | 51475 | 8189.22 | 16 | 6.29 | <.0001 | 0.05 | 34111 | 68839 |
| *286* | Resistin | HF+VC | 50412 | 8189.22 | 16 | 6.16 | <.0001 | 0.05 | 33048 | 67776 |
| *287* | Resistin | LF | 73689 | 8189.22 | 16 | 9.00 | <.0001 | 0.05 | 56325 | 91054 |
| *288* | Resistin | LF+VC | 65861 | 8189.22 | 16 | 8.04 | <.0001 | 0.05 | 48496 | 83225 |
| *289* | TARC | HF | 177.08 | 78.7880 | 16.1 | 2.25 | 0.0389 | 0.05 | 10.1753 | 343.99 |
| *291* | TARC | LF | 366.09 | 78.7880 | 16.1 | 4.65 | 0.0003 | 0.05 | 199.18 | 532.99 |
| *292* | TARC | LF+VC | 255.03 | 78.7880 | 16.1 | 3.24 | 0.0051 | 0.05 | 88.1199 | 421.93 |
| *295* | TCK-1 | LF | 4221.16 | 1349.42 | 15.4 | 3.13 | 0.0067 | 0.05 | 1351.17 | 7091.14 |
| *296* | TCK-1 | LF+VC | 6583.69 | 1349.42 | 15.4 | 4.88 | 0.0002 | 0.05 | 3713.70 | 9453.67 |
| *297* | TIM-1 | HF | 924.17 | 192.89 | 22.2 | 4.79 | <.0001 | 0.05 | 524.35 | 1324.00 |
| *298* | TIM-1 | HF+VC | 1415.26 | 192.89 | 22.2 | 7.34 | <.0001 | 0.05 | 1015.43 | 1815.08 |
| *299* | TIM-1 | LF | 1386.71 | 192.89 | 22.2 | 7.19 | <.0001 | 0.05 | 986.89 | 1786.53 |
| *300* | TIM-1 | LF+VC | 1232.12 | 192.89 | 22.2 | 6.39 | <.0001 | 0.05 | 832.30 | 1631.94 |
| *301* | TNF RI | HF | 3813.34 | 798.19 | 16.4 | 4.78 | 0.0002 | 0.05 | 2124.78 | 5501.91 |
| *302* | TNF RI | HF+VC | 5499.80 | 798.19 | 16.4 | 6.89 | <.0001 | 0.05 | 3811.23 | 7188.37 |
| *303* | TNF RI | LF | 4121.86 | 798.19 | 16.4 | 5.16 | <.0001 | 0.05 | 2433.29 | 5810.43 |
| *304* | TNF RI | LF+VC | 4491.34 | 798.19 | 16.4 | 5.63 | <.0001 | 0.05 | 2802.78 | 6179.91 |
| *307* | TNF RII | LF | 766.73 | 325.48 | 16.2 | 2.36 | 0.0314 | 0.05 | 77.4648 | 1456.00 |
| *308* | TNF RII | LF+VC | 1881.21 | 325.48 | 16.2 | 5.78 | <.0001 | 0.05 | 1191.94 | 2570.47 |
| *309* | TRAIL | HF | 310.20 | 62.8594 | 15.3 | 4.93 | 0.0002 | 0.05 | 176.43 | 443.97 |
| *310* | TRAIL | HF+VC | 241.94 | 62.8594 | 15.3 | 3.85 | 0.0015 | 0.05 | 108.18 | 375.71 |
| *311* | TRAIL | LF | 267.80 | 62.8594 | 15.3 | 4.26 | 0.0007 | 0.05 | 134.03 | 401.56 |
| *312* | TRAIL | LF+VC | 360.29 | 62.8594 | 15.3 | 5.73 | <.0001 | 0.05 | 226.52 | 494.05 |
| *313* | TROY | HF | 885.53 | 89.8514 | 17.9 | 9.86 | <.0001 | 0.05 | 696.71 | 1074.35 |
| *314* | TROY | HF+VC | 857.37 | 89.8514 | 17.9 | 9.54 | <.0001 | 0.05 | 668.55 | 1046.19 |
| *315* | TROY | LF | 889.21 | 89.8514 | 17.9 | 9.90 | <.0001 | 0.05 | 700.39 | 1078.03 |
| *316* | TROY | LF+VC | 885.91 | 89.8514 | 17.9 | 9.86 | <.0001 | 0.05 | 697.09 | 1074.73 |
| *317* | TWEAK R | HF | 688.44 | 214.50 | 17.6 | 3.21 | 0.0050 | 0.05 | 237.08 | 1139.80 |
| *318* | TWEAK R | HF+VC | 525.37 | 214.50 | 17.6 | 2.45 | 0.0250 | 0.05 | 74.0128 | 976.73 |
| *319* | TWEAK R | LF | 783.23 | 214.50 | 17.6 | 3.65 | 0.0019 | 0.05 | 331.87 | 1234.59 |
| *320* | TWEAK R | LF+VC | 582.99 | 214.50 | 17.6 | 2.72 | 0.0143 | 0.05 | 131.63 | 1034.35 |
| *323* | Testican 3 | LF | 561.23 | 192.18 | 16.2 | 2.92 | 0.0099 | 0.05 | 154.16 | 968.31 |
| *324* | Testican 3 | LF+VC | 694.91 | 192.18 | 16.2 | 3.62 | 0.0023 | 0.05 | 287.83 | 1101.99 |
| *327* | TremL1 | LF | 811.62 | 252.87 | 16.1 | 3.21 | 0.0054 | 0.05 | 275.83 | 1347.41 |
| *328* | TremL1 | LF+VC | 786.59 | 252.87 | 16.1 | 3.11 | 0.0067 | 0.05 | 250.80 | 1322.38 |
| *329* | Tryptase\_e | HF | 982.45 | 290.06 | 16.4 | 3.39 | 0.0036 | 0.05 | 368.91 | 1595.99 |
| *330* | Tryptase\_e | HF+VC | 1264.69 | 290.06 | 16.4 | 4.36 | 0.0005 | 0.05 | 651.14 | 1878.23 |
| *331* | Tryptase\_e | LF | 1864.22 | 290.06 | 16.4 | 6.43 | <.0001 | 0.05 | 1250.67 | 2477.76 |
| *332* | Tryptase\_e | LF+VC | 1202.41 | 290.06 | 16.4 | 4.15 | 0.0007 | 0.05 | 588.87 | 1815.96 |
| *333* | VCAM-1 | HF | 8592.49 | 2666.04 | 16 | 3.22 | 0.0053 | 0.05 | 2941.43 | 14244 |
| *334* | VCAM-1 | HF+VC | 11275 | 2666.04 | 16 | 4.23 | 0.0006 | 0.05 | 5623.52 | 16926 |
| *335* | VCAM-1 | LF | 10372 | 2666.04 | 16 | 3.89 | 0.0013 | 0.05 | 4721.00 | 16023 |
| *336* | VCAM-1 | LF+VC | 20087 | 2666.04 | 16 | 7.53 | <.0001 | 0.05 | 14436 | 25738 |
| *337* | VEGF | HF | 1294.98 | 379.21 | 16.6 | 3.41 | 0.0034 | 0.05 | 493.31 | 2096.65 |
| *338* | VEGF | HF+VC | 1783.66 | 379.21 | 16.6 | 4.70 | 0.0002 | 0.05 | 981.99 | 2585.33 |
| *339* | VEGF | LF | 1844.43 | 379.21 | 16.6 | 4.86 | 0.0002 | 0.05 | 1042.76 | 2646.09 |
| *340* | VEGF | LF+VC | 2532.31 | 379.21 | 16.6 | 6.68 | <.0001 | 0.05 | 1730.64 | 3333.98 |
| *341* | VEGF R1 | HF | 663.47 | 301.43 | 17 | 2.20 | 0.0418 | 0.05 | 27.6288 | 1299.31 |
| *342* | VEGF R1 | HF+VC | 1074.81 | 301.43 | 17 | 3.57 | 0.0024 | 0.05 | 438.96 | 1710.65 |
| *343* | VEGF R1 | LF | 985.56 | 301.43 | 17 | 3.27 | 0.0045 | 0.05 | 349.72 | 1621.41 |
| *344* | VEGF R1 | LF+VC | 678.06 | 301.43 | 17 | 2.25 | 0.0380 | 0.05 | 42.2145 | 1313.90 |
| *345* | bFGF | HF | 718.22 | 311.19 | 16 | 2.31 | 0.0347 | 0.05 | 58.5074 | 1377.93 |
| *348* | bFGF | LF+VC | 780.83 | 311.19 | 16 | 2.51 | 0.0232 | 0.05 | 121.12 | 1440.54 |
| *351* | gp130 | LF | 494.83 | 155.78 | 16 | 3.18 | 0.0059 | 0.05 | 164.56 | 825.11 |
| *352* | gp130 | LF+VC | 562.66 | 155.78 | 16 | 3.61 | 0.0023 | 0.05 | 232.39 | 892.94 |

**Abbreviations:**

HFD, high fat diet; LFD, low fat diet, IPA, Ingenuity Pathway Analysis; kDa, kilodaltons; LFD, low fat diet; MBL-2, mannose binding protein 2; NOV, nephroblastoma-overexpressed gene protein homolog; AKT, protein kinase B; CD40, cluster of differentiation 40; CD48, cluster of differentiation 48; DCN, decorin; FcgRIIB, Fc fragment of IgG receptor IIb; IGF-1, insulin-like growth factor 1; IGFBP-3, insulin-like growth factor binding protein 3; POSTN, periostin; GSTµ, antioxidant glutathione S-transferase µ; CST3, cystatin c; ADIPO, adiponectin; CLU, clusterin; CCL-11, eotaxin-1; Fetuin A, alpha-2-HS-glycoprotein; PlGF-2, placenta growth factor 2; TNFRII, tumor necrosis factor receptor superfamily member 1B; VCAM-1, vascular cell adhesion molecule; VC, vinyl chloride.