

| Ilumina Identifier | HGNC gene symbol | Refseq ID | Ex2 LR(0.08uM+TGFb/UT+DMSO+TGFb) | Ex2 -log10(pVAL(0.08uM+TGFb/UT+DMSO+TGFb)) | Ex2 LR(2uM+TGFb/UT+DMSO+TGFb) | Ex2 -log10(pVAL(2uM+TGFb/UT+DMSO+TGFb)) | Ex2 LR(0.08uM-TGFb/UT+DMSO) | Ex2 -log10(pVAL(0.08uM-TGFb/UT+DMSO)) | Ex2 LR(2uM-TGFb/UT+DMSO) | Ex2 -log10(pVAL(2uM-TGFb/UT+DMSO)) | Ex2 LR(2uM-TGFb/0.08uM-TGFb) | Ex2 -log10(pVAL(2uM-TGFb/0.08uM-TGFb)) | Ex2 LR(2uM+TGFb/0.08uM+TGFb) | Ex2 -log10(pVAL(2uM+TGFb/0.08uM+TGFb)) |
|--------------------|------------------|----------------|----------------------------------|--|-------------------------------|---|-----------------------------|---------------------------------------|--------------------------|------------------------------------|------------------------------|--|------------------------------|--|
| ILMN_1662364 | AARS | NM_001605.2 | 1.12 | 12.41 | 0.92 | 9.67 | 1.32 | 21.72 | 1.21 | 18.65 | -0.11 | 0.09 | -0.2 | 0.4 |
| ILMN_1788457 | ABCC4 | NM_005845.2 | 1.64 | 12.55 | 1.43 | 10.6 | 1.07 | 8.38 | 0.89 | 5.82 | -0.17 | 0.1 | -0.22 | 0.19 |
| ILMN_2330267 | ABCE1 | NM_001040876.1 | 1.82 | 12.27 | 1.37 | 8.54 | 1.33 | 7.62 | 0.74 | 2.37 | -0.59 | 0.91 | -0.45 | 0.83 |
| ILMN_1676846 | ABCE1 | NM_001040876.1 | 1.7 | 10.77 | 1.21 | 6.83 | 1.29 | 7.91 | 0.63 | 1.88 | -0.66 | 1.37 | -0.48 | 0.91 |
| ILMN_1789641 | ABCG2 | NM_004827.2 | 0.49 | 2.37 | 1.6 | 14.61 | 0.58 | 2.16 | 1.09 | 6.9 | 0.51 | 0.94 | 1.11 | 8.12 |
| ILMN_1763852 | ACACB | NM_001093.3 | 0.15 | 0.27 | 1.52 | 13.8 | -0.63 | 3.62 | 0.43 | 1.55 | 1.06 | 7.21 | 1.37 | 10.96 |
| ILMN_1769694 | ACCN2 | NM_001095.2 | 0.49 | 1.38 | 1.36 | 8.25 | 0.89 | 6.33 | 1.67 | 18.03 | 0.78 | 3.57 | 0.87 | 3.35 |
| ILMN_1708348 | ADAM8 | NM_001109.3 | 2.08 | 20.38 | 1.65 | 16.26 | 3.21 | 49.19 | 2.58 | 38.51 | -0.64 | 2.99 | -0.43 | 1.62 |
| ILMN_1814526 | ADD3 | NM_001121.2 | -0.13 | 0.08 | 1.06 | 3.22 | -1.4 | 11.6 | -0.31 | 0.6 | 1.08 | 5.58 | 1.19 | 3.2 |
| ILMN_1702858 | ADHFE1 | NM_144650.2 | -0.26 | 1.04 | 1.15 | 12.55 | -1.96 | 22.32 | -0.61 | 2.77 | 1.35 | 9.91 | 1.41 | 14.66 |
| ILMN_1809139 | AHCTF1 | NM_015446.3 | 1.13 | 7.22 | 0.98 | 5.91 | 1.43 | 14.56 | 0.98 | 7.44 | -0.44 | 0.96 | -0.15 | 0.08 |
| ILMN_2096372 | ALDH1A1 | NM_000689.3 | 0.69 | 1.69 | 1.87 | 9.31 | -0.91 | 3.11 | 0.44 | 0.66 | 1.34 | 4.83 | 1.18 | 3.86 |
| ILMN_1728662 | ALDH3B1 | NM_000694.2 | 0.27 | 0.65 | 2.56 | 22.11 | -0.25 | 0.41 | 1.17 | 7.75 | 1.42 | 8.91 | 2.29 | 18.56 |
| ILMN_1763666 | ALDH3B2 | NM_001031615.1 | 0.78 | 4.24 | 1.97 | 15.86 | 0.88 | 4.65 | 1.39 | 10.41 | 0.52 | 0.96 | 1.19 | 7.35 |
| ILMN_1785284 | ALDH6A1 | NM_005589.2 | -0.36 | 1.33 | 0.86 | 6.44 | -1.47 | 15.11 | -0.33 | 0.85 | 1.14 | 7.62 | 1.22 | 9.5 |
| ILMN_1792409 | AMOT | NM_133265.2 | -0.42 | 0.72 | 1.65 | 8.53 | -2.12 | 13.07 | -0.87 | 2.4 | 1.25 | 3.65 | 2.07 | 10.41 |
| ILMN_2075643 | ANKRD29 | NM_173505.2 | 1.21 | 7.65 | 0.85 | 4.5 | 1.54 | 18.63 | 0.6 | 3.38 | -0.94 | 6.24 | -0.36 | 0.56 |
| ILMN_1724040 | ANKRD57 | NM_023016.3 | 1 | 8.59 | 0.21 | 0.55 | 1.25 | 16.27 | 0.51 | 3.12 | -0.74 | 4.91 | -0.79 | 5.27 |
| ILMN_1699421 | ANXA10 | NM_007193.3 | 1.63 | 19.01 | 2.87 | 30.59 | 2.9 | 41.21 | 2.86 | 39.77 | -0.04 | 0.01 | 1.24 | 13.06 |
| ILMN_1777998 | ARHGAP25 | NM_014882.2 | 1.07 | 9.29 | 0.32 | 1.18 | 1.19 | 12.38 | 0.71 | 4.67 | -0.48 | 1.45 | -0.75 | 4.77 |
| ILMN_1678143 | ARHGDI1B | NM_001175.4 | 1.41 | 15.57 | 1.46 | 16.41 | 1.18 | 14.86 | 1.37 | 18.35 | 0.19 | 0.2 | 0.05 | 0.03 |
| ILMN_1666076 | ARHGEF4 | NM_015320.2 | 0.88 | 3.35 | 1.78 | 10.29 | 0.86 | 3.94 | 1.53 | 10.9 | 0.67 | 1.54 | 0.9 | 2.9 |
| ILMN_1721626 | ARID5B | NM_032199.1 | 0.56 | 1.87 | 2.82 | 20.27 | -2.48 | 20.95 | -1.08 | 4.85 | 1.41 | 6.27 | 2.26 | 14.92 |
| ILMN_2232463 | ARL14 | NM_025047.1 | -0.03 | 0.03 | 1.59 | 15.25 | -1.2 | 9 | -0.12 | 0.12 | 1.08 | 5.54 | 1.62 | 14.3 |
| ILMN_2373728 | ASB9 | NM_024087.1 | 0.58 | 2.56 | 2.27 | 18.6 | -0.37 | 1.28 | 0.76 | 5 | 1.13 | 8.35 | 1.69 | 12.28 |
| ILMN_1786041 | ASB9 | NM_024087.1 | 0.51 | 3.36 | 2.49 | 25.76 | -0.72 | 6.07 | 0.54 | 3.31 | 1.26 | 12.83 | 1.97 | 19.77 |
| ILMN_1659801 | ATP6V1C1 | NM_001695.4 | 0.99 | 7.15 | 1.01 | 7.55 | 0.96 | 9.57 | 1.01 | 10.14 | 0.05 | 0.02 | 0.02 | 0.01 |
| ILMN_1671731 | AVP1 | NM_021732.1 | 0.63 | 5.46 | 2.08 | 23.79 | 0.32 | 1.34 | 1.16 | 14.52 | 0.84 | 6.63 | 1.45 | 15.5 |
| ILMN_1771652 | BAIAP2L2 | NM_025045.4 | 1.25 | 15.58 | 1.55 | 19.69 | 1.58 | 26.39 | 1.4 | 21.84 | -0.18 | 0.21 | 0.3 | 1.31 |
| ILMN_1686626 | BAT1 | NM_080598.4 | 1.15 | 9.51 | 1.02 | 8.2 | 1.62 | 16.24 | 1.57 | 15.06 | -0.05 | 0.01 | -0.13 | 0.08 |
| ILMN_1737314 | BCL6 | NM_001706.2 | -0.01 | 0.01 | 1.65 | 16.43 | -1.53 | 11.54 | -0.3 | 0.45 | 1.23 | 5.99 | 1.66 | 15.29 |
| ILMN_1814808 | BFAR | NM_016561.1 | 0.67 | 4.62 | 1.02 | 9 | 0.82 | 6.61 | 1.22 | 12.88 | 0.41 | 0.99 | 0.35 | 1.01 |
| ILMN_1699989 | BNIPL | NM_138278.2 | -0.58 | 2.87 | 0.82 | 5.25 | -2.01 | 17.98 | -0.83 | 3.61 | 1.19 | 5.52 | 1.4 | 10.34 |
| ILMN_1677684 | BTBD16 | NM_144587.2 | 0.56 | 2.66 | 1.13 | 8.58 | 0.38 | 1.64 | 1.06 | 11.04 | 0.68 | 3.67 | 0.57 | 2.21 |
| ILMN_1777591 | C10orf65 | NM_138413.2 | -0.17 | 0.19 | 1.14 | 6.08 | -1.22 | 12.3 | -0.19 | 0.31 | 1.03 | 7.14 | 1.31 | 6.51 |
| ILMN_1660754 | C13orf25 | XM_931068.1 | 1.44 | 8.4 | 0.87 | 3.92 | 1.65 | 18.43 | 0.9 | 6.37 | -0.75 | 3.31 | -0.56 | 1.28 |
| ILMN_1681252 | C17orf44 | NM_173621.1 | -0.62 | 3.16 | 0.58 | 2.95 | -1.74 | 17.43 | -0.72 | 3.55 | 1.02 | 5.23 | 1.2 | 8.29 |
| ILMN_1776490 | C17orf53 | NM_024032.2 | 0.34 | 1.41 | 1.24 | 11.87 | 1.27 | 13.27 | 1.42 | 15.37 | 0.15 | 0.09 | 0.9 | 6.63 |
| ILMN_2082209 | C20orf100 | NM_032883.1 | 1.8 | 16.87 | 1.48 | 13.56 | 1.73 | 23.57 | 1.61 | 20.68 | -0.12 | 0.07 | -0.33 | 0.77 |
| ILMN_1780172 | C20orf195 | NM_024059.2 | 1.02 | 6.96 | 0.63 | 3.19 | 1.07 | 12.64 | 0.73 | 6.13 | -0.35 | 0.86 | -0.39 | 0.91 |
| ILMN_2174711 | C21orf129 | NM_152506.1 | -0.21 | 0.57 | 2.16 | 21.92 | -2.35 | 20.74 | -1.06 | 5.17 | 1.29 | 5.79 | 2.37 | 22.36 |
| ILMN_2195821 | C5orf41 | NM_153607.1 | 0.94 | 3.73 | 2.26 | 13.83 | -0.93 | 3.29 | 0.14 | 0.1 | 1.06 | 2.98 | 1.32 | 5.78 |
| ILMN_1687213 | C8orf13 | NM_053279.1 | 1.06 | 8.14 | 1.38 | 11.88 | 2.3 | 31.32 | 2.52 | 34.77 | 0.23 | 0.21 | 0.32 | 0.67 |
| ILMN_1781745 | C9orf152 | NM_001012993.1 | -0.08 | 0.09 | 2.71 | 25.46 | -0.15 | 0.22 | 1.59 | 16.48 | 1.74 | 16.1 | 2.79 | 24.63 |
| ILMN_1687971 | CAPN3 | NM_024344.1 | 0.68 | 6.55 | 1.09 | 12.8 | 0.57 | 2.94 | 1.11 | 9.76 | 0.54 | 1.67 | 0.41 | 2.26 |
| ILMN_1699809 | CAPNS2 | NM_032330.1 | 0.01 | 0.01 | 1.86 | 16.79 | -1.5 | 10.42 | 0.25 | 0.31 | 1.74 | 10.82 | 1.85 | 15.43 |
| ILMN_1686920 | CCDC58 | NM_001017928.2 | 1.89 | 6.11 | 2.16 | 7.63 | 1.26 | 7.22 | 0.85 | 3.26 | -0.41 | 0.4 | 0.27 | 0.07 |
| ILMN_2412384 | CCNE2 | NM_057735.1 | 1.15 | 8.6 | 1.38 | 11.2 | 1.24 | 8.37 | 0.64 | 2.3 | -0.59 | 1.26 | 0.23 | 0.26 |
| ILMN_2396444 | CD14 | NM_001040021.1 | -0.47 | 2.39 | 1.35 | 12.78 | 0.63 | 4.17 | 1.16 | 12.04 | 0.53 | 1.91 | 1.82 | 16.51 |
| ILMN_2365307 | CD276 | NM_001024736.1 | 1.01 | 6.98 | 0.55 | 2.59 | 1.51 | 23.54 | 1.24 | 17.22 | -0.26 | 0.51 | -0.46 | 1.34 |

| | | | | | | | | | | | | | | |
|--------------|----------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ILMN_1760247 | CD70 | NM_001252.3 | -0.71 | 5.95 | 0.97 | 9.66 | -0.97 | 6.7 | 0.32 | 0.7 | 1.29 | 8.68 | 1.68 | 17.11 |
| ILMN_2338323 | CDC25B | NM_004358.3 | 0.14 | 0.3 | 1.24 | 12.78 | 1.17 | 13.41 | 1.22 | 14.01 | 0.05 | 0.02 | 1.1 | 9.82 |
| ILMN_1670238 | CDC45L | NM_003504.3 | 0.43 | 1.89 | 1.17 | 10.14 | 2.33 | 34.41 | 1.85 | 25.06 | -0.48 | 1.52 | 0.74 | 4.35 |
| ILMN_1683450 | CDCA5 | NM_080668.2 | 0.36 | 2.22 | 1.23 | 14.78 | 1.19 | 17.79 | 1.12 | 15.87 | -0.06 | 0.03 | 0.87 | 8.49 |
| ILMN_2230683 | CDC47L | NM_018719.2 | 0.69 | 3.5 | 1.59 | 12.53 | 1.3 | 14.15 | 1.21 | 12.14 | -0.09 | 0.04 | 0.9 | 4.74 |
| ILMN_1769891 | CDH4 | NM_001794.2 | 1.17 | 9 | 0.45 | 1.85 | 2.76 | 34.83 | 1.88 | 20.31 | -0.88 | 4.21 | -0.72 | 3.59 |
| ILMN_1689001 | CDK4 | NM_000075.2 | 0.65 | 4.46 | 1.16 | 10.78 | 1.56 | 22.86 | 1.34 | 17.77 | -0.22 | 0.28 | 0.51 | 2.33 |
| ILMN_1712522 | CEACAM6 | NM_002483.3 | 1.37 | 8.93 | 2.73 | 20.26 | 2.73 | 32.07 | 2.65 | 30.47 | -0.08 | 0.03 | 1.35 | 7.89 |
| ILMN_1693014 | CEBPB | NM_005194.2 | 1.49 | 17.67 | 1.07 | 12.15 | 1.52 | 24.06 | 1.2 | 16.54 | -0.32 | 0.82 | -0.42 | 2.32 |
| ILMN_1782050 | CEBPD | NM_005195.3 | 0.35 | 2.02 | 1.07 | 12.09 | 1.25 | 15.55 | 1.16 | 13.35 | -0.09 | 0.05 | 0.72 | 6.01 |
| ILMN_1716766 | CEBPG | NM_001806.2 | 1.18 | 11.81 | 0.55 | 3.78 | 0.99 | 7.25 | 1.12 | 8.75 | 0.13 | 0.06 | -0.63 | 4.04 |
| ILMN_1737195 | CENPK | NM_022145.3 | 1.52 | 7.43 | 1.68 | 8.75 | 1.23 | 7.03 | 0.98 | 4.46 | -0.24 | 0.12 | 0.16 | 0.05 |
| ILMN_2106902 | CHES1 | NM_005197.2 | -0.7 | 3.22 | 0.44 | 1.39 | -1.71 | 11.73 | -0.66 | 1.89 | 1.05 | 3.43 | 1.14 | 6.37 |
| ILMN_1668910 | CIDEB | NM_014430.2 | 0.6 | 5.44 | 1.12 | 13.42 | 1.05 | 10.95 | 1.23 | 13.66 | 0.17 | 0.14 | 0.52 | 3.71 |
| ILMN_1688103 | CTNNBIP1 | NM_020248.2 | 1.26 | 8.62 | 0.91 | 5.39 | 1.15 | 7.02 | 0.95 | 4.72 | -0.2 | 0.09 | -0.35 | 0.58 |
| ILMN_1807291 | CYP1A1 | NM_000499.2 | -0.22 | 0.48 | 3.04 | 26.14 | -0.08 | 0.06 | 2.41 | 18.44 | 2.5 | 16.45 | 3.26 | 26.29 |
| ILMN_1693338 | CYP1B1 | NM_000104.2 | 0.63 | 1.05 | 4.06 | 19.09 | 0.49 | 1.14 | 1.71 | 11.76 | 1.22 | 4.96 | 3.42 | 14.75 |
| ILMN_1788131 | CYP26A1 | NM_057157.1 | -0.3 | 1.09 | 1.67 | 16.72 | -2.19 | 25.59 | -1.12 | 8.55 | 1.07 | 6.18 | 1.98 | 18.43 |
| ILMN_1810942 | CYP3A5 | NM_000777.2 | 0.1 | 0.06 | 2.79 | 13.87 | -2.27 | 8.61 | -0.3 | 0.17 | 1.97 | 4.92 | 2.69 | 12.09 |
| ILMN_1809384 | CYP4F12 | NM_023944.2 | 0.7 | 4.31 | 1.43 | 12.52 | -1.27 | 8.63 | -0.1 | 0.08 | 1.17 | 5.56 | 0.73 | 3.92 |
| ILMN_1736190 | CYP4F3 | NM_000896.1 | -0.73 | 1.43 | 1.9 | 7.84 | -2.43 | 21.97 | -0.95 | 4.28 | 1.48 | 7.66 | 2.63 | 10.98 |
| ILMN_2054607 | CYP4V2 | NM_207352.2 | 1.23 | 11.74 | 1.31 | 12.81 | 1.17 | 16.09 | 1.11 | 14.25 | -0.06 | 0.03 | 0.08 | 0.04 |
| ILMN_1685441 | DDEF1 | NM_017707.2 | -0.95 | 7.11 | 0.44 | 1.98 | -1.27 | 12.83 | 0.15 | 0.21 | 1.42 | 12.45 | 1.39 | 11.11 |
| ILMN_1676984 | DDIT3 | NM_004083.4 | 1.06 | 5.84 | 1.69 | 11.62 | 1.01 | 4.05 | 1.69 | 9.97 | 0.68 | 1.09 | 0.63 | 1.9 |
| ILMN_1661599 | DDIT4 | NM_019058.2 | 0.82 | 6.81 | 1.47 | 15.07 | 0.97 | 11.76 | 1.21 | 16.47 | 0.24 | 0.41 | 0.65 | 4.05 |
| ILMN_1735461 | DDX21 | NM_004728.2 | 2.23 | 9.21 | 1.86 | 7.22 | 2.02 | 12.44 | 1.39 | 6.21 | -0.63 | 0.77 | -0.37 | 0.19 |
| ILMN_1686573 | DEFB1 | NM_005218.3 | 0.32 | 0.33 | 1.97 | 8.96 | -1.17 | 2.76 | -0.06 | 0.02 | 1.12 | 1.57 | 1.65 | 6 |
| ILMN_1733998 | DHRS9 | NM_005771.3 | 0.01 | 0.01 | 2.03 | 21.58 | 0.6 | 3.43 | 1.74 | 21 | 1.14 | 8.56 | 2.02 | 19.92 |
| ILMN_1669972 | DKFzP686O24166 | NM_001009913.1 | 1.43 | 6.24 | 0.65 | 1.6 | 1.19 | 5.81 | 1.07 | 4.49 | -0.13 | 0.04 | -0.78 | 1.71 |
| ILMN_1703913 | DST | NM_001723.4 | 0.44 | 0.37 | 1.77 | 5 | -1.39 | 10.87 | -0.27 | 0.43 | 1.12 | 5.56 | 1.33 | 2.4 |
| ILMN_1675992 | DST | NM_001723.4 | 0.42 | 0.34 | 1.75 | 4.96 | -2.25 | 11.09 | -1.03 | 2.49 | 1.21 | 2.44 | 1.33 | 2.44 |
| ILMN_1779711 | DTL | NM_016448.1 | 0.86 | 4.42 | 1.17 | 7.35 | 2.03 | 18.52 | 1.63 | 12.58 | -0.41 | 0.47 | 0.31 | 0.37 |
| ILMN_2401873 | DUSP10 | NM_144729.1 | -0.12 | 0.15 | 1.84 | 15.57 | -1.39 | 10.84 | 0 | 0 | 1.39 | 8.47 | 1.96 | 15.36 |
| ILMN_2401878 | DUSP10 | NM_144729.1 | -1.2 | 6.39 | 1.06 | 5.41 | -1.91 | 19.8 | -0.58 | 2.26 | 1.33 | 8.67 | 2.26 | 13.94 |
| ILMN_1758750 | EARS2 | NR_003501.1 | 1.08 | 8.39 | 1.1 | 8.79 | 1.03 | 8.06 | 0.86 | 5.64 | -0.16 | 0.09 | 0.02 | 0.01 |
| ILMN_2228938 | ECM2 | NM_001393.2 | 1.96 | 18.41 | 1.88 | 17.78 | 2.2 | 23.42 | 2.11 | 21.58 | -0.09 | 0.03 | -0.08 | 0.03 |
| ILMN_2371053 | EFNA1 | NM_004428.2 | -1.39 | 11.06 | -0.38 | 1.31 | -1.26 | 9.51 | -0.21 | 0.28 | 1.05 | 5.09 | 1.01 | 6.22 |
| ILMN_1769201 | ELF3 | NM_004433.3 | -0.33 | 0.85 | 3.92 | 29.01 | -3.02 | 26.69 | -0.09 | 0.06 | 2.93 | 21.69 | 4.26 | 29.37 |
| ILMN_1658685 | ELFN2 | NM_052906.3 | 1.25 | 13.49 | 0.94 | 9.37 | 1.69 | 21.87 | 1.66 | 20.73 | -0.03 | 0.01 | -0.32 | 1.06 |
| ILMN_1718297 | EML4 | NM_019063.2 | 1.42 | 9.37 | 1.43 | 9.62 | 1.21 | 11.23 | 1.11 | 9.38 | -0.1 | 0.04 | 0.01 | 0 |
| ILMN_1801616 | EMP1 | NM_001423.1 | 1.48 | 15 | 0.86 | 7.51 | 1.03 | 12.97 | 0.65 | 5.56 | -0.38 | 1.23 | -0.61 | 3.64 |
| ILMN_1672022 | EPHA4 | NM_004438.3 | -0.6 | 2.55 | 0.63 | 2.84 | -1.43 | 10.94 | -0.08 | 0.06 | 1.35 | 7.72 | 1.22 | 7.45 |
| ILMN_1802646 | EPHB6 | NM_004445.2 | 1.21 | 9.61 | 1.06 | 8.21 | 1.18 | 10.28 | 1.1 | 8.78 | -0.08 | 0.03 | -0.14 | 0.1 |
| ILMN_1709237 | EPHX2 | NM_001979.4 | -0.9 | 5.52 | 0.41 | 1.38 | -1.19 | 6.98 | -0.06 | 0.04 | 1.13 | 4.68 | 1.31 | 8.76 |
| ILMN_1673721 | EXO1 | NM_006027.3 | 0.97 | 7.92 | 1.45 | 13.68 | 1.59 | 17.45 | 1.3 | 12.24 | -0.29 | 0.34 | 0.48 | 1.93 |
| ILMN_1758672 | FAM107B | NM_031453.2 | 1.16 | 6.35 | 2.09 | 14.38 | -0.11 | 0.13 | 0.9 | 5.91 | 1.01 | 5.71 | 0.93 | 3.8 |
| ILMN_1757440 | FAM69B | XM_001130258.1 | 0.29 | 1.11 | 1.01 | 9.89 | 0.84 | 8.83 | 1.2 | 15.45 | 0.35 | 0.98 | 0.73 | 5.22 |
| ILMN_1699623 | FAM81A | NM_152450.2 | 0.75 | 2.88 | 1.04 | 5.23 | 1.65 | 18.75 | 1.41 | 14.3 | -0.23 | 0.21 | 0.29 | 0.26 |
| ILMN_1670807 | FAM84B | NM_174911.3 | 1.52 | 9.77 | 2.37 | 17.01 | 0.69 | 5.19 | 1.02 | 10.2 | 0.33 | 0.68 | 0.86 | 3.4 |
| ILMN_1755281 | FBXO15 | NM_152676.1 | -0.52 | 3.22 | 1.12 | 10.82 | -1.77 | 24.28 | -0.58 | 3.47 | 1.19 | 10.56 | 1.64 | 15.69 |
| ILMN_1652280 | FBXO32 | NM_058229.2 | -1.75 | 15.16 | 0.26 | 0.64 | -3.12 | 27.01 | -1.92 | 12.55 | 1.21 | 4.13 | 2.01 | 16.41 |
| ILMN_1703955 | FBXO32 | NM_148177.1 | -1.93 | 13.94 | 0.93 | 5.03 | -4.13 | 32.42 | -1.98 | 10.51 | 2.14 | 9.86 | 2.86 | 19.73 |
| ILMN_1656691 | FBXO4 | NM_012176.2 | 1 | 11.35 | 0.99 | 11.26 | 1.44 | 16.24 | 1.29 | 13.2 | -0.15 | 0.09 | -0.02 | 0.01 |
| ILMN_1764619 | FLJ45244 | NM_207443.1 | 0.14 | 0.28 | 1.37 | 14.23 | -0.87 | 4.09 | 0.33 | 0.55 | 1.2 | 5.57 | 1.23 | 11.37 |
| ILMN_1766650 | FOXA1 | NM_004496.2 | -0.79 | 3.47 | 2.79 | 19.87 | -1.5 | 17.08 | -0.29 | 0.74 | 1.2 | 9.54 | 3.58 | 23.42 |
| ILMN_1808707 | FSCN1 | NM_003088.2 | 1.19 | 14.65 | 0.53 | 4.72 | 1.15 | 21.73 | 0.82 | 12.26 | -0.34 | 1.56 | -0.66 | 5.86 |
| ILMN_1659682 | GALK2 | NM_002044.2 | 1.05 | 5.3 | 0.71 | 2.8 | 1.11 | 6.65 | 0.68 | 2.48 | -0.43 | 0.54 | -0.34 | 0.38 |
| ILMN_2041236 | GARNL4 | NM_015085.3 | 1.62 | 18.28 | 0.86 | 8.51 | 2.07 | 30.24 | 1.66 | 21.95 | -0.4 | 1.06 | -0.76 | 6.17 |
| ILMN_1679476 | GART | NM_000819.3 | 1.07 | 5.19 | 0.49 | 1.34 | 1.48 | 16.87 | 1.26 | 12.62 | -0.22 | 0.2 | -0.57 | 1.27 |
| ILMN_1699631 | GATS | NM_178831.4 | -1.18 | 8.14 | 0.16 | 0.23 | -2.4 | 23.94 | -1.23 | 7.91 | 1.17 | 5.56 | 1.34 | 8.8 |
| ILMN_1774077 | GBP2 | NM_004120.3 | -0.28 | 0.42 | 2.1 | 13.55 | -2.79 | 19.73 | -0.89 | 2.46 | 1.9 | 8.29 | 2.38 | 14.4 |
| ILMN_1756953 | GBP6 | NM_198460.1 | 0.25 | 0.54 | 2.11 | 18.07 | -0.18 | 0.26 | 0.9 | 5.66 | 1.08 | 6.17 | 1.87 | 14.6 |
| ILMN_1809590 | GIN52 | NM_016095.1 | 1.25 | 13.84 | 1.23 | 13.78 | 2.55 | 38.67 | 2.06 | 29.27 | -0.49 | 1.69 | -0.02 | 0.01 |
| ILMN_1773963 | GNA15 | NM_002068.1 | 1.08 | 10.84 | 0.61 | 4.73 | 1.27 | 19.84 | 0.97 | 12.6 | -0.3 | 0.79 | -0.47 | 2.39 |
| ILMN_1804357 | GNG4 | NM_001098721.1 | 1.54 | 13.92 | 1.01 | 8.17 | 2.32 | 28.51 | 1.96 | 22.06 | -0.36 | 0.54 | -0.52 | 2.17 |
| ILMN_2384056 | GPER | NM_001039966.1 | 0.73 | 5.19 | 2.49 | 24.03 | -1.19 | 7.89 | -0.14 | 0.13 | 1.05 | 4.62 | 1.76 | 16.03 |

| | | | | | | | | | | | | | | |
|--------------|-----------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| ILMN_1795298 | GPER | NM_001039966.1 | 0.82 | 7.22 | 2.39 | 24.99 | -1.07 | 7.16 | -0.02 | 0.02 | 1.04 | 5.1 | 1.57 | 15.57 |
| ILMN_1801205 | GPNMB | NM_001005340.1 | 0.61 | 1.9 | 1.69 | 10.29 | -1.3 | 8.32 | -0.17 | 0.16 | 1.13 | 4.77 | 1.07 | 4.46 |
| ILMN_1750497 | GPR109A | NM_177551.3 | -0.56 | 1.95 | 0.67 | 2.78 | -1.77 | 15.17 | -0.67 | 2.44 | 1.1 | 4.98 | 1.23 | 6.63 |
| ILMN_1782944 | GPR37L1 | NM_004767.3 | -0.3 | 1.39 | 1.17 | 12.81 | -1.27 | 9.81 | -0.1 | 0.1 | 1.17 | 6.42 | 1.47 | 15.39 |
| ILMN_1684158 | GPT2 | NM_133443.1 | 1.51 | 17.07 | 0.56 | 4.38 | 1.56 | 18.13 | 1.21 | 11.79 | -0.34 | 0.57 | -0.96 | 8.82 |
| ILMN_2405254 | GRB7 | NM_001030002.1 | -1.28 | 10.63 | 0.75 | 4.97 | -1.94 | 15.12 | -0.58 | 1.5 | 1.36 | 6.31 | 2.03 | 17.09 |
| ILMN_1658464 | GTF3A | NM_002097.1 | 0.87 | 7.54 | 1.34 | 13.53 | 1.43 | 17.96 | 1.18 | 12.69 | -0.26 | 0.34 | 0.46 | 2.08 |
| ILMN_1788203 | HEY1 | NM_001040708.1 | 1.94 | 18.3 | 1.46 | 13.47 | 2.43 | 36.45 | 1.92 | 26.51 | -0.52 | 1.86 | -0.48 | 1.87 |
| ILMN_1668179 | HNRNPF | NM_001098204.1 | 1.22 | 8.74 | 1.17 | 8.36 | 1.45 | 15.53 | 0.89 | 6.47 | -0.56 | 1.79 | -0.05 | 0.02 |
| ILMN_1743677 | HNRNPU | NM_031844.2 | 1.17 | 11.45 | 0.99 | 9.33 | 1.02 | 13.76 | 0.92 | 11.2 | -0.1 | 0.07 | -0.18 | 0.22 |
| ILMN_1736940 | HPRT1 | NM_000194.1 | 1.18 | 13.65 | 0.78 | 7.94 | 1.98 | 27.05 | 1.49 | 17.61 | -0.48 | 1.48 | -0.41 | 2.12 |
| ILMN_1856480 | | | -0.59 | 2.76 | 0.95 | 6.24 | -1.59 | 14.56 | -0.53 | 1.8 | 1.06 | 5.43 | 1.54 | 11.15 |
| ILMN_1863962 | | | -0.38 | 1.39 | 1.61 | 14.42 | -1.01 | 3.98 | 0.29 | 0.31 | 1.3 | 4.68 | 1.99 | 16.79 |
| ILMN_1864166 | | | 1.14 | 7.57 | 0.78 | 4.24 | 1.91 | 23.53 | 1.35 | 13.41 | -0.56 | 1.8 | -0.36 | 0.64 |
| ILMN_1911503 | | | -1.35 | 9.94 | -0.02 | 0.01 | -2.05 | 14.11 | -0.69 | 1.79 | 1.35 | 5.14 | 1.33 | 8.87 |
| ILMN_1836776 | | | 2.05 | 16.97 | 1.21 | 8.96 | 1.74 | 16.27 | 1.47 | 12 | -0.27 | 0.2 | -0.84 | 4.32 |
| ILMN_1842210 | | | 1.44 | 2.05 | 1.2 | 1.5 | 0.88 | 2.68 | 1.13 | 4.1 | 0.24 | 0.09 | -0.24 | 0.03 |
| ILMN_1893679 | | | 0.58 | 2.21 | 1.43 | 9.94 | 0.45 | 1.28 | 1.11 | 7.09 | 0.66 | 1.75 | 0.85 | 3.77 |
| ILMN_1679209 | HSPA9 | NM_004134.4 | 1.14 | 5.82 | 0.93 | 4.3 | 1.37 | 8.45 | 0.96 | 4.14 | -0.42 | 0.41 | -0.21 | 0.12 |
| ILMN_1733956 | IARS | NM_002161.3 | 1.57 | 6.95 | 0.97 | 3.23 | 1.28 | 7.25 | 1.35 | 7.72 | 0.07 | 0.02 | -0.6 | 0.88 |
| ILMN_1801639 | IARS | NM_013417.1 | 1.03 | 6.45 | 0.46 | 1.59 | 1.28 | 10.89 | 1.01 | 6.91 | -0.27 | 0.24 | -0.57 | 1.88 |
| ILMN_1682717 | IER3 | NM_003897.3 | 1.33 | 11.13 | 0.4 | 1.56 | 3.12 | 25.66 | 2.38 | 16.8 | -0.74 | 1.25 | -0.93 | 5.93 |
| ILMN_1707695 | IFIT1 | NM_001548.3 | -0.19 | 0.24 | 1.85 | 12.77 | -1.67 | 14.49 | -0.48 | 1.35 | 1.19 | 6.11 | 2.03 | 13.09 |
| ILMN_2396875 | IGFBP3 | NM_001013398.1 | -1.03 | 7.97 | 0.68 | 4.26 | 0.22 | 0.49 | 1.02 | 9.07 | 0.79 | 4.39 | 1.72 | 14.29 |
| ILMN_1724181 | IL15 | NM_000585.2 | -1.72 | 15.82 | -0.46 | 2.21 | -2.54 | 28.44 | -1.33 | 10.28 | 1.21 | 6.83 | 1.26 | 9.88 |
| ILMN_1775501 | IL1B | NM_000576.2 | 1.36 | 6.41 | 0.81 | 2.76 | 2.78 | 24.1 | 1.82 | 12.13 | -0.96 | 2.74 | -0.55 | 0.88 |
| ILMN_1774874 | IL1RN | NM_173843.1 | 1.18 | 11.11 | 1.92 | 19.57 | 0.77 | 7.68 | 1.21 | 16.08 | 0.44 | 1.73 | 0.75 | 5.02 |
| ILMN_2342579 | IL7R | NM_002185.2 | 1.24 | 3.54 | 0.43 | 0.49 | 1.03 | 5.34 | 0.33 | 0.51 | -0.7 | 1.61 | -0.81 | 1.2 |
| ILMN_1811468 | IRX3 | NM_024336.1 | 0.32 | 1.18 | 1.68 | 16.49 | -0.46 | 2.16 | 0.56 | 3.07 | 1.02 | 7.52 | 1.35 | 11.75 |
| ILMN_2334210 | ITGB4 | NM_001005619.1 | 1.44 | 13.24 | 0.47 | 2.35 | 1.49 | 19.66 | 1.21 | 13.8 | -0.28 | 0.44 | -0.97 | 6.95 |
| ILMN_1651557 | KDELC2 | NM_153705.4 | 1.08 | 8.94 | 0.87 | 6.71 | 1.16 | 10.24 | 1.24 | 11.1 | 0.08 | 0.03 | -0.2 | 0.24 |
| ILMN_1722820 | KDELR3 | NM_006855.2 | 1.88 | 19.12 | 0.9 | 7.85 | 1.11 | 8.66 | 0.54 | 2.11 | -0.57 | 1.53 | -0.98 | 7.81 |
| ILMN_1665483 | KIAA0020 | NM_014878.4 | 1.02 | 9.61 | 0.47 | 2.81 | 2.18 | 30.75 | 1.5 | 17.61 | -0.69 | 3.27 | -0.55 | 3.08 |
| ILMN_1797191 | KIAA0040 | NM_014656.1 | 1.07 | 6.76 | 0.29 | 0.66 | 1.58 | 17.05 | 0.96 | 7.17 | -0.61 | 2.08 | -0.78 | 3.4 |
| ILMN_1797822 | KIAA0746 | NM_015187.3 | 1.55 | 14.45 | 0.71 | 4.9 | 1.34 | 17.32 | 0.82 | 7.26 | -0.52 | 2.16 | -0.84 | 5.49 |
| ILMN_1813704 | KIAA1199 | NM_018689.1 | -0.47 | 1.32 | 0.81 | 3.72 | 1.61 | 22.54 | 1.32 | 16.22 | -0.29 | 0.51 | 1.29 | 6.75 |
| ILMN_1700733 | KIAA1370 | NM_019600.2 | -0.13 | 0.14 | 1.43 | 9.85 | -2.07 | 16.95 | -1.04 | 4.91 | 1.03 | 3.59 | 1.56 | 9.91 |
| ILMN_2095273 | KIAA1407 | NM_020817.1 | 0.44 | 1.47 | 1.16 | 8 | 0.14 | 0.15 | 1.01 | 6.05 | 0.87 | 3.36 | 0.72 | 3.02 |
| ILMN_1808508 | KITLG | NM_000899.3 | 2.34 | 9 | 2.98 | 12.57 | 1 | 2.91 | 0.64 | 1.09 | -0.36 | 0.16 | 0.64 | 0.61 |
| ILMN_1751656 | KLF11 | XM_001129527.1 | 1.19 | 12.74 | 0.49 | 3.34 | 1.63 | 17.24 | 1.06 | 8.13 | -0.57 | 1.65 | -0.71 | 5.35 |
| ILMN_1678671 | KLHL24 | NM_017644.3 | -0.9 | 2.26 | 0.56 | 0.96 | -2.85 | 21.43 | -1.38 | 6.13 | 1.48 | 5.39 | 1.46 | 4.61 |
| ILMN_1782389 | LAD1 | NM_005558.3 | 1.08 | 11.05 | 0.71 | 6.18 | 1.18 | 16.5 | 0.9 | 10.33 | -0.27 | 0.57 | -0.37 | 1.47 |
| ILMN_1798557 | LOC202134 | XM_371783.3 | 0.08 | 0.09 | 1.24 | 9.38 | -0.83 | 5.63 | 0.25 | 0.47 | 1.08 | 6.89 | 1.15 | 7.48 |
| ILMN_1753766 | LOC388743 | XM_943925.1 | 1.09 | 7.84 | 0.85 | 5.52 | 1.21 | 8.51 | 0.82 | 3.94 | -0.39 | 0.49 | -0.23 | 0.27 |
| ILMN_1893633 | LOC439949 | XM_001129241.1 | 1.07 | 3.54 | 0.73 | 1.79 | 1.78 | 17.69 | 1.22 | 9.19 | -0.56 | 1.32 | -0.35 | 0.22 |
| ILMN_1777170 | LOC440585 | XM_942137.2 | -1.5 | 13.41 | 0.43 | 1.9 | -2.15 | 23.43 | -1.01 | 6.55 | 1.14 | 6.4 | 1.94 | 16.58 |
| ILMN_1804415 | LOC57228 | NM_001033873.1 | 1.15 | 10.28 | 0.71 | 5.07 | 1.3 | 18.98 | 0.68 | 6.14 | -0.62 | 3.8 | -0.45 | 1.71 |
| ILMN_1695397 | LOC644151 | XM_927359.1 | 1.51 | 11.28 | 1.39 | 10.22 | 1.27 | 9.97 | 0.85 | 4.54 | -0.43 | 0.67 | -0.13 | 0.06 |
| ILMN_1694778 | LOC646723 | XR_017241.1 | 1.11 | 12.25 | 0.78 | 7.73 | 1.27 | 18.18 | 0.66 | 5.77 | -0.61 | 3.62 | -0.33 | 1.28 |
| ILMN_1728645 | LOC649095 | XM_001131851.1 | 1.23 | 6 | 0.76 | 2.73 | 1.03 | 6.33 | 0.52 | 1.59 | -0.51 | 0.92 | -0.47 | 0.69 |
| ILMN_1743711 | LOC650215 | XR_018889.1 | 2.45 | 13.39 | 1.67 | 8.18 | 1.65 | 10.16 | 1.19 | 5.38 | -0.47 | 0.44 | -0.78 | 1.75 |
| ILMN_1742431 | LOC651309 | XM_942586.1 | -0.87 | 5.35 | 0.56 | 2.59 | -1.94 | 17.4 | -0.78 | 3.32 | 1.16 | 5.44 | 1.43 | 10.16 |
| ILMN_1656938 | LOC731486 | XM_001133149.1 | 0.66 | 2.93 | 1.03 | 6.34 | 1.12 | 14.08 | 1.04 | 12.01 | -0.08 | 0.05 | 0.37 | 0.63 |
| ILMN_1809417 | LRFN4 | NM_024036.3 | 1.14 | 7.86 | 0.42 | 1.42 | 1.51 | 11.88 | 0.95 | 4.96 | -0.56 | 1.11 | -0.72 | 3.15 |
| ILMN_1764362 | LYAR | NM_017816.1 | 1.19 | 13.98 | 0.53 | 4.38 | 2.22 | 24.79 | 1.35 | 11.05 | -0.87 | 3.75 | -0.67 | 5.53 |
| ILMN_2327860 | MAL | NM_022440.1 | -1.62 | 6.21 | 2.29 | 10.44 | -3.04 | 23.07 | -0.73 | 1.74 | 2.3 | 12.3 | 3.91 | 17.98 |
| ILMN_2320330 | MAL | NM_002371.2 | -1.07 | 5.23 | 2.17 | 14.39 | -3.12 | 22.53 | -1.31 | 5.05 | 1.81 | 7.24 | 3.24 | 20.19 |
| ILMN_1770653 | MAL2 | NM_052886.2 | 1.4 | 10.24 | 2.22 | 17.8 | 1.11 | 7.09 | 1.25 | 8.45 | 0.14 | 0.05 | 0.81 | 3.81 |
| ILMN_1697729 | MAP2K6 | NM_002758.3 | 0.35 | 1.59 | 1.93 | 20.32 | -0.63 | 3.46 | 0.55 | 2.48 | 1.18 | 8.5 | 1.58 | 15.32 |
| ILMN_1741159 | MAP3K8 | NM_005204.2 | -0.51 | 1.41 | 1.21 | 6.69 | -2.09 | 24.46 | -0.8 | 4.74 | 1.28 | 9.1 | 1.72 | 9.88 |
| ILMN_2303166 | MBNL3 | NM_133486.1 | 1.16 | 4.73 | 1.35 | 6.21 | 1.16 | 4 | 1.51 | 6.29 | 0.35 | 0.16 | 0.19 | 0.07 |
| ILMN_2413898 | MCM10 | NM_018518.3 | 1.02 | 4.59 | 1.39 | 7.64 | 2.72 | 27.47 | 2.22 | 20.06 | -0.51 | 0.79 | 0.37 | 0.41 |
| ILMN_1681503 | MCM2 | NM_004526.2 | 0.96 | 5.22 | 1.62 | 11.4 | 2.45 | 39.13 | 2.27 | 35.4 | -0.18 | 0.17 | 0.66 | 2.2 |
| ILMN_2065822 | MCM3APAS | NR_002776.1 | 1.4 | 13.41 | 1.2 | 11.2 | 1.44 | 13.29 | 1.24 | 10.01 | -0.2 | 0.13 | -0.2 | 0.26 |
| ILMN_1656285 | METTTL7A | NM_014033.3 | -1.18 | 5.03 | 0.83 | 2.8 | -3.13 | 31.41 | -2.13 | 17.85 | 1 | 3.53 | 2 | 10.09 |
| ILMN_1733415 | MFAP5 | NM_003480.2 | 1.33 | 6.52 | 0.72 | 2.34 | 1.63 | 17.08 | 1.41 | 13.04 | -0.23 | 0.17 | -0.61 | 1.24 |

| | | | | | | | | | | | | | | |
|--------------|----------|----------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ILMN_1791593 | MGC24039 | NM_144973.3 | -0.3 | 1.34 | 1.25 | 13.99 | 0.16 | 0.31 | 1.93 | 27.54 | 1.77 | 21.08 | 1.54 | 16.37 |
| ILMN_1667825 | MLKL | NM_152649.1 | 0.92 | 6.24 | 1.36 | 11.13 | 1.01 | 8.27 | 0.8 | 5.2 | -0.21 | 0.16 | 0.44 | 1.29 |
| ILMN_1737498 | MLKL | XM_001126647.1 | 0.76 | 5.27 | 1.03 | 8.49 | 1.18 | 10.15 | 0.68 | 3.51 | -0.5 | 1.22 | 0.26 | 0.46 |
| ILMN_1721732 | MLZE | NM_031415.2 | 1.13 | 12.84 | 0.75 | 7.47 | 1.56 | 23.79 | 1.13 | 14.24 | -0.43 | 1.55 | -0.38 | 1.85 |
| ILMN_2148796 | MND1 | NM_032117.2 | 0.61 | 3.61 | 1.09 | 9.09 | 1.64 | 19.65 | 1.15 | 10.81 | -0.48 | 1.37 | 0.47 | 1.77 |
| ILMN_1671906 | MND1 | NM_032117.2 | 0.64 | 1.62 | 1.05 | 4.09 | 1.24 | 10.74 | 0.93 | 6.16 | -0.31 | 0.36 | 0.41 | 0.4 |
| ILMN_2148193 | MPPED2 | NM_001584.1 | 0.34 | 0.37 | 3.03 | 15.22 | -1.77 | 10.54 | -0.69 | 1.68 | 1.08 | 2.98 | 2.69 | 12.05 |
| ILMN_1707464 | MST1 | NM_020998.2 | -0.54 | 2.69 | 0.72 | 4.62 | -1.61 | 16.64 | -0.37 | 1.02 | 1.24 | 8.44 | 1.26 | 9.5 |
| ILMN_1688154 | MST1R | NM_002447.2 | 1.13 | 8.43 | 0.46 | 1.91 | 1.3 | 15.8 | 0.95 | 9.02 | -0.35 | 0.78 | -0.67 | 3.05 |
| ILMN_1753639 | MTAP | NM_002451.3 | 1.64 | 15.34 | 1.23 | 10.96 | 1.55 | 16.91 | 0.64 | 3.35 | -0.91 | 5.09 | -0.41 | 1.32 |
| ILMN_2125346 | MUC16 | NM_024690.2 | -0.32 | 0.52 | 1.4 | 7.64 | -1.82 | 15.1 | -0.18 | 0.19 | 1.64 | 10.12 | 1.72 | 9.13 |
| ILMN_1803213 | MXRA5 | NM_015419.2 | -0.86 | 5.71 | 0.24 | 0.59 | -1.01 | 9.34 | 0.04 | 0.03 | 1.05 | 7.66 | 1.1 | 7.5 |
| ILMN_2110908 | MYC | NM_002467.3 | 1.33 | 3.12 | 1.54 | 4.14 | 1.96 | 14.05 | 1.38 | 7.35 | -0.59 | 0.83 | 0.21 | 0.04 |
| ILMN_1699208 | NAP1L1 | NM_139207.1 | 2.06 | 8.61 | 2.13 | 9.17 | 1.06 | 9.35 | 0.9 | 6.76 | -0.16 | 0.1 | 0.07 | 0.01 |
| ILMN_1669142 | NARG1 | NM_057175.3 | 1.31 | 8.27 | 0.71 | 3.13 | 1.32 | 9.63 | 0.75 | 3.23 | -0.57 | 1.18 | -0.6 | 1.77 |
| ILMN_2305225 | NRG4 | NM_022910.1 | -0.62 | 1.21 | 1.55 | 6.45 | -3.09 | 18.06 | -1.09 | 2.7 | 2 | 6.68 | 2.17 | 9.33 |
| ILMN_1733627 | NEDD4L | NM_015277.3 | 0.83 | 2.92 | 1.92 | 11 | 0.47 | 1.66 | 1.08 | 7.95 | 0.61 | 1.82 | 1.08 | 3.93 |
| ILMN_2049766 | NFE2L3 | NM_004289.5 | 1.63 | 7.52 | 0.94 | 3.12 | 1.37 | 13.08 | 0.6 | 2.78 | -0.77 | 3.27 | -0.69 | 1.29 |
| ILMN_1741133 | NME1 | NM_000269.2 | 1.05 | 7.88 | 0.12 | 0.18 | 2.5 | 32.66 | 1.97 | 23.35 | -0.53 | 1.47 | -0.93 | 5.74 |
| ILMN_2162253 | NMU | NM_006681.1 | -0.73 | 5.7 | 2.2 | 22.62 | -0.53 | 3.03 | 0.74 | 5.52 | 1.26 | 11.91 | 2.93 | 27.09 |
| ILMN_1658926 | NOTCH3 | NM_000435.1 | -0.85 | 3.57 | 0.9 | 4.06 | -1.33 | 11.18 | -0.25 | 0.41 | 1.08 | 5.85 | 1.74 | 9.94 |
| ILMN_1787186 | NOV | NM_002514.2 | 1.81 | 12.75 | 2.04 | 14.87 | 1.72 | 21.73 | 2.09 | 28.18 | 0.38 | 0.79 | 0.23 | 0.18 |
| ILMN_1742151 | NRG2 | NM_013985.1 | -0.1 | 0.15 | 1.38 | 12.47 | -0.52 | 1.35 | 0.69 | 2.26 | 1.21 | 5.18 | 1.48 | 12.42 |
| ILMN_1804662 | NRG4 | NM_138573.2 | -1.26 | 8.05 | 0.68 | 3.02 | -2.25 | 29.04 | -1.18 | 10.62 | 1.06 | 6.98 | 1.95 | 13.14 |
| ILMN_1668345 | OAF | NM_178507.2 | 0.94 | 7.87 | 1.58 | 15.64 | 1.38 | 21.01 | 1.38 | 20.61 | 0 | 0 | 0.64 | 3.68 |
| ILMN_2410826 | OAS1 | NM_001032409.1 | -0.01 | 0.01 | 1.08 | 7.68 | -0.43 | 1.39 | 0.57 | 2.28 | 1 | 5.29 | 1.09 | 6.78 |
| ILMN_1723035 | OLR1 | NM_002543.3 | -1.53 | 12.99 | 0.55 | 2.76 | -0.43 | 1.73 | 1.13 | 10.48 | 1.55 | 14.93 | 2.08 | 17.09 |
| ILMN_1781966 | OSBP2 | NM_030758.3 | 0.53 | 2.39 | 1.74 | 14.82 | 1.66 | 17.65 | 2.91 | 37.25 | 1.25 | 8.67 | 1.21 | 8.32 |
| ILMN_2307032 | OSBPL5 | NM_145638.1 | 1.18 | 13.15 | 1.19 | 13.41 | 0.92 | 9.63 | 1.08 | 12.22 | 0.16 | 0.13 | 0.01 | 0 |
| ILMN_1810560 | P8 | NM_012385.1 | 0.36 | 1.04 | 1.16 | 8.26 | 0.58 | 1.66 | 1.74 | 12.52 | 1.16 | 4.68 | 0.8 | 3.86 |
| ILMN_2392546 | PAICS | NM_006452.3 | 0.94 | 11.94 | 1.02 | 13.4 | 2 | 30.38 | 1.61 | 22.06 | -0.39 | 1.07 | 0.08 | 0.07 |
| ILMN_1671489 | PC | NM_000920.2 | 1.03 | 8.92 | 1.23 | 11.49 | 0.71 | 4.69 | 1.01 | 8.73 | 0.31 | 0.44 | 0.2 | 0.26 |
| ILMN_1760649 | PCK2 | NM_001018073.1 | 1.2 | 7.84 | 0.28 | 0.61 | 1.54 | 16.42 | 1.57 | 16.48 | 0.03 | 0.01 | -0.91 | 4.45 |
| ILMN_1671791 | PCK2 | NM_004563.2 | 1.77 | 20.77 | 0.95 | 10.36 | 1.72 | 25.15 | 1.83 | 26.93 | 0.11 | 0.07 | -0.82 | 7.5 |
| ILMN_1775822 | PDGFB | NM_002608.1 | 1.51 | 13.94 | 0.56 | 3.29 | 1.11 | 11.27 | 0.4 | 1.55 | -0.71 | 3.57 | -0.94 | 6.61 |
| ILMN_1703324 | PDSS1 | NM_014317.3 | 1.17 | 10.44 | 0.66 | 4.57 | 1.87 | 18.69 | 1.23 | 9.01 | -0.65 | 1.83 | -0.5 | 2.2 |
| ILMN_1780132 | PELI2 | NM_021255.2 | 0.68 | 3.17 | 2.89 | 22.53 | -1.21 | 8.49 | 0.28 | 0.45 | 1.49 | 9.64 | 2.21 | 16.09 |
| ILMN_1738095 | PER2 | NM_022817.2 | 0.66 | 3.54 | 2.72 | 23.16 | 0.59 | 3.75 | 1.58 | 19.99 | 0.99 | 7.38 | 2.06 | 16.5 |
| ILMN_1719986 | PIK3IP1 | NM_052880.3 | 0.24 | 0.44 | 1.21 | 8.47 | -2.55 | 18.41 | -0.6 | 1.21 | 1.95 | 9.48 | 0.97 | 5.23 |
| ILMN_1670638 | PITPNC1 | NM_181671.1 | 1.04 | 9.2 | 0.73 | 5.56 | 1.29 | 13.33 | 0.84 | 6.16 | -0.44 | 1.08 | -0.31 | 0.77 |
| ILMN_1762561 | PLA2G10 | NM_003561.1 | -1.74 | 7.96 | 2.07 | 10.34 | -3.53 | 25.2 | -1.31 | 4.59 | 2.23 | 9.87 | 3.81 | 19.18 |
| ILMN_1747451 | PLCXD1 | NM_018390.2 | 1.11 | 8.58 | 0.71 | 4.39 | 1.67 | 20.82 | 1.54 | 17.98 | -0.13 | 0.07 | -0.4 | 1.08 |
| ILMN_2082865 | PLLP | NM_015993.1 | 1.45 | 15.41 | 0.99 | 9.63 | 2.3 | 31.69 | 2.16 | 28.86 | -0.14 | 0.08 | -0.47 | 2.32 |
| ILMN_1662587 | PNPLA7 | NM_152286.2 | -0.26 | 0.88 | 1.07 | 10.18 | -1.49 | 9.17 | -0.28 | 0.34 | 1.21 | 4.6 | 1.34 | 12.26 |
| ILMN_1774336 | POLE2 | NM_002692.2 | 0.62 | 3.9 | 1.11 | 9.87 | 1.86 | 29.13 | 1.64 | 24.08 | -0.22 | 0.28 | 0.49 | 2.1 |
| ILMN_1710170 | PPAP2C | NM_177526.1 | 0.69 | 4.49 | 1.05 | 8.65 | 1.05 | 9.12 | 1.15 | 10.28 | 0.1 | 0.04 | 0.35 | 0.9 |
| ILMN_2195703 | PPARGC1B | NM_133263.2 | 0.88 | 8.47 | 1.53 | 17.11 | 1.45 | 11.73 | 1.81 | 16.29 | 0.36 | 0.38 | 0.65 | 4.65 |
| ILMN_1675656 | PPFIBP2 | NM_003621.1 | 0.19 | 0.35 | 2.2 | 18.87 | -1.17 | 10.92 | 0.03 | 0.03 | 1.2 | 9.03 | 2 | 15.87 |
| ILMN_2054392 | PPIL1 | NM_016059.3 | 1.1 | 8.05 | 0.6 | 3.05 | 1.49 | 15.22 | 1.04 | 7.98 | -0.45 | 0.97 | -0.5 | 1.68 |
| ILMN_1694502 | PRIM1 | NM_000946.2 | 0.44 | 1.26 | 1.25 | 8 | 1.03 | 8.56 | 1.09 | 9.13 | 0.06 | 0.02 | 0.81 | 3.29 |
| ILMN_1799299 | PRPF38B | NM_018061.1 | 1.52 | 6.64 | 1.33 | 5.56 | 1.16 | 7.05 | 0.7 | 2.56 | -0.46 | 0.62 | -0.18 | 0.06 |
| ILMN_1776105 | PSPH | NM_004577.3 | 1.31 | 12.99 | 0.95 | 8.65 | 1.64 | 19.87 | 1.39 | 14.9 | -0.25 | 0.28 | -0.36 | 1.17 |
| ILMN_1713829 | PTGES | NM_004878.3 | -0.34 | 0.92 | 3.58 | 27.36 | -0.47 | 1.01 | 1.33 | 7.46 | 1.8 | 10.42 | 3.92 | 27.98 |
| ILMN_2075800 | PTK6 | NM_005975.2 | 1.5 | 15.99 | 1.01 | 9.97 | 1.3 | 19.26 | 1.01 | 12.54 | -0.29 | 0.65 | -0.49 | 2.54 |
| ILMN_1764508 | PTK6 | NM_005975.2 | 1.2 | 11.83 | 0.76 | 6.42 | 1.64 | 22.96 | 1.51 | 19.89 | -0.13 | 0.08 | -0.43 | 1.85 |
| ILMN_1734543 | PTPRE | NM_130435.2 | 1.26 | 14.48 | 0.48 | 3.62 | 1.29 | 19.83 | 0.52 | 3.96 | -0.77 | 6.43 | -0.78 | 6.79 |
| ILMN_2383611 | PTPRE | NM_130435.2 | 2.16 | 22.33 | 1.56 | 16.37 | 1.4 | 19.07 | 0.71 | 5.83 | -0.69 | 4.12 | -0.6 | 3.54 |
| ILMN_1679051 | PTPRR | NM_002849.2 | 0.77 | 4.75 | 1.22 | 9.82 | 0.34 | 0.95 | 2.29 | 28.34 | 1.95 | 19.44 | 0.46 | 1.43 |
| ILMN_1796013 | PYCR1 | NM_153824.1 | 1.42 | 12.61 | 0.47 | 2.24 | 2.7 | 32.44 | 2.15 | 23.55 | -0.54 | 1.31 | -0.95 | 6.47 |
| ILMN_1790317 | RAB26 | NM_014353.4 | -0.81 | 5.08 | 1.89 | 16.34 | -2.42 | 18.16 | -0.24 | 0.23 | 2.17 | 12.45 | 2.71 | 21.65 |
| ILMN_1709795 | RAC2 | NM_002872.3 | 1.34 | 12.87 | 1.34 | 12.99 | 1.19 | 16.17 | 1.08 | 13.43 | -0.11 | 0.07 | 0 | 0 |
| ILMN_1674135 | RALGPS1 | NM_014636.1 | -1.55 | 14.67 | 0.48 | 2.47 | -2 | 23.86 | -0.69 | 3.72 | 1.31 | 9.87 | 2.03 | 18.25 |
| ILMN_1757384 | RAN | NM_006325.2 | 1.1 | 7.81 | 0.77 | 4.6 | 1.42 | 13.77 | 1.1 | 8.64 | -0.32 | 0.39 | -0.33 | 0.58 |
| ILMN_2166384 | RANBP5 | NM_002271.4 | 1.17 | 4.79 | 1.07 | 4.24 | 1.05 | 5.79 | 0.5 | 1.26 | -0.55 | 0.94 | -0.1 | 0.02 |
| ILMN_2362902 | RASSF5 | NM_182664.2 | 0.4 | 1.98 | 2.72 | 26.67 | -0.77 | 4.53 | 0.48 | 1.69 | 1.26 | 8.5 | 2.32 | 22.07 |
| ILMN_1800276 | RCN1 | NM_002901.1 | 1.05 | 14.94 | 1.06 | 15.32 | 0.92 | 15.15 | 1.09 | 19.06 | 0.16 | 0.26 | 0.02 | 0.01 |

| | | | | | | | | | | | | | | |
|--------------|-----------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ILMN_1714335 | RDH10 | NM_172037.2 | -1.01 | 6.03 | 0.59 | 2.47 | -0.35 | 0.74 | 0.91 | 4.86 | 1.25 | 7 | 1.6 | 10.67 |
| ILMN_1660723 | RDH13 | NM_138412.2 | 0.26 | 0.88 | 1.1 | 10.51 | 0.96 | 7.57 | 1.03 | 8.25 | 0.07 | 0.02 | 0.84 | 6.21 |
| ILMN_1658143 | RFC3 | NM_002915.3 | 0.43 | 1.2 | 1.13 | 6.81 | 1.1 | 7.54 | 0.79 | 3.93 | -0.31 | 0.28 | 0.7 | 2.43 |
| ILMN_2197365 | RGS2 | NM_002923.1 | 0.19 | 0.23 | 1.51 | 9.17 | -1.71 | 13.39 | -0.52 | 1.34 | 1.19 | 5.35 | 1.31 | 6.56 |
| ILMN_1660864 | RHBDL1 | NM_003961.1 | 0.2 | 0.34 | 1.13 | 8.3 | 0.45 | 1.35 | 1.22 | 8.89 | 0.77 | 2.7 | 0.94 | 5.36 |
| ILMN_1680018 | RIPK4 | NM_020639.2 | -0.7 | 3.35 | 0.88 | 5.08 | -1.2 | 7.95 | 0.06 | 0.05 | 1.27 | 6.64 | 1.58 | 10.7 |
| ILMN_1776602 | RNASE4 | NM_194431.1 | 0.52 | 2.14 | 1.32 | 10.1 | -1.26 | 10.58 | -0.12 | 0.13 | 1.14 | 6.81 | 0.8 | 4 |
| ILMN_1792389 | RNF165 | NM_152470.2 | 1.88 | 7.63 | 1.49 | 5.48 | 2.33 | 21.19 | 2.07 | 17.25 | -0.26 | 0.15 | -0.38 | 0.23 |
| ILMN_1800796 | RPL37 | NM_000997.3 | 0.49 | 3.55 | 1.15 | 13.11 | 0.61 | 3.63 | 1.01 | 8.83 | 0.4 | 0.87 | 0.67 | 5.24 |
| ILMN_1767658 | RRS1 | NM_015169.3 | 1.56 | 9.99 | 1.06 | 5.82 | 2.47 | 29.11 | 1.7 | 16.56 | -0.77 | 2.94 | -0.5 | 1.04 |
| ILMN_1751062 | SCARA5 | NM_173833.4 | 0.08 | 0.15 | 1.16 | 13.48 | 0 | 0 | 1.31 | 29.27 | 1.31 | 25.42 | 1.08 | 11.14 |
| ILMN_1713995 | SCNN1A | NM_001038.4 | 0.8 | 5.56 | 3.7 | 31.08 | -0.92 | 6.22 | 0.27 | 0.49 | 1.19 | 7.55 | 2.9 | 24.61 |
| ILMN_1705032 | SEH1L | NM_031216.3 | 1.01 | 7.82 | 0.74 | 5 | 1.4 | 7.73 | 1.09 | 4.67 | -0.31 | 0.17 | -0.26 | 0.43 |
| ILMN_1814494 | SEMA6D | NM_153619.1 | -0.66 | 3.82 | 1.65 | 14.68 | -2.6 | 17.57 | -1.02 | 3.23 | 1.57 | 5.66 | 2.31 | 19.38 |
| ILMN_1752046 | SH2B3 | NM_005475.1 | 1.3 | 14.8 | 0.34 | 1.84 | 1.22 | 13.9 | 0.57 | 3.4 | -0.65 | 3.16 | -0.96 | 9.23 |
| ILMN_1772466 | SH2D3A | NM_005490.1 | 1.14 | 7.55 | 0.31 | 0.74 | 1.51 | 18.67 | 0.95 | 8.38 | -0.56 | 2.15 | -0.83 | 3.92 |
| ILMN_1692539 | SH3BP1 | NM_018957.3 | 0.99 | 9.05 | 1.21 | 11.97 | 1.16 | 11.98 | 1.2 | 12.16 | 0.03 | 0.01 | 0.22 | 0.36 |
| ILMN_1661137 | SH3RF2 | NM_152550.2 | 1.61 | 15.36 | 0.84 | 6.53 | 1.19 | 15.87 | 0.88 | 9.37 | -0.3 | 0.68 | -0.77 | 4.88 |
| ILMN_1661264 | SHMT2 | NM_005412.4 | 1.34 | 18.58 | 0.9 | 11.93 | 1.01 | 16.16 | 0.83 | 11.32 | -0.18 | 0.29 | -0.44 | 3.38 |
| ILMN_1672662 | SLC20A1 | NM_005415.3 | 1.87 | 10.8 | 1.32 | 6.72 | 1.02 | 6.03 | 0.73 | 3.07 | -0.29 | 0.22 | -0.55 | 0.99 |
| ILMN_1667670 | SLC25A15 | NM_014252.1 | 1.24 | 7.42 | 0.54 | 1.84 | 1.6 | 10.34 | 0.76 | 2.44 | -0.84 | 2.08 | -0.7 | 2.32 |
| ILMN_1787718 | SLC27A1 | NM_198580.1 | 0.4 | 1.42 | 1.66 | 14.35 | -0.68 | 3.35 | 0.36 | 0.87 | 1.05 | 5.57 | 1.27 | 9.15 |
| ILMN_1723971 | SLC29A1 | NM_001078174.1 | 1.1 | 6.79 | 0.39 | 1.07 | 2.33 | 25.59 | 1.5 | 12.61 | -0.84 | 3.23 | -0.72 | 2.74 |
| ILMN_1766261 | SLC2A12 | NM_145176.2 | -1.67 | 13.12 | 0.55 | 2.39 | -2.5 | 26.99 | -1.23 | 8.57 | 1.27 | 7.22 | 2.22 | 16.84 |
| ILMN_1693912 | SLC47A2 | NM_152908.3 | -0.61 | 2.68 | 1.24 | 8.7 | -1.57 | 11.91 | -0.5 | 1.26 | 1.07 | 4.45 | 1.85 | 13.32 |
| ILMN_1720373 | SLC7A5 | NM_003486.5 | 0.74 | 7.16 | 1.27 | 14.83 | 1.28 | 10.01 | 1.25 | 9.35 | -0.02 | 0.01 | 0.53 | 3.52 |
| ILMN_2225318 | SMS | NM_004595.2 | 1.15 | 10.75 | 0.56 | 3.59 | 1.33 | 15.44 | 0.87 | 7.2 | -0.46 | 1.37 | -0.59 | 3.28 |
| ILMN_1694305 | SMS | NM_004595.2 | 1.08 | 11.01 | 0.51 | 3.58 | 1.19 | 13.68 | 0.76 | 5.98 | -0.43 | 1.29 | -0.57 | 3.52 |
| ILMN_1804277 | SPRED1 | NM_152594.1 | 1.77 | 17.26 | 0.92 | 7.68 | 1.66 | 20.89 | 1.09 | 10.3 | -0.57 | 2.14 | -0.85 | 5.82 |
| ILMN_1867664 | SPTLC3 | NM_018327.2 | 0.58 | 3.5 | 1.38 | 13.07 | 0.34 | 0.74 | 1.09 | 7.13 | 0.76 | 2.53 | 0.8 | 5.25 |
| ILMN_1663035 | SREBF1 | NM_001005291.1 | -0.69 | 6.33 | 1.1 | 12.21 | -0.62 | 3.15 | 0.4 | 1.2 | 1.02 | 5.99 | 1.79 | 19.38 |
| ILMN_1773470 | ST5 | NM_213618.1 | 1.17 | 8.98 | 0.34 | 1.06 | 1.35 | 15.22 | 1.28 | 13.57 | -0.07 | 0.03 | -0.84 | 4.66 |
| ILMN_1682799 | STAMBP1 | NM_020799.2 | 2.32 | 21.45 | 1.94 | 18.19 | 1.58 | 14.6 | 0.69 | 3.09 | -0.89 | 3.85 | -0.38 | 1.06 |
| ILMN_1668592 | STON1 | NM_006873.2 | -1.33 | 10.41 | 0.25 | 0.58 | -2.8 | 25.82 | -1.42 | 8.51 | 1.38 | 6.39 | 1.58 | 11.96 |
| ILMN_2407703 | SYN1 | NM_006950.3 | 1.24 | 10.67 | 0.63 | 3.88 | 2.16 | 31.07 | 1.66 | 21.06 | -0.51 | 1.72 | -0.61 | 2.96 |
| ILMN_1744795 | TBL1X | NM_005647.2 | 1.08 | 6.15 | 1.22 | 7.53 | 1.91 | 32.68 | 2.21 | 38.37 | 0.3 | 0.69 | 0.14 | 0.06 |
| ILMN_1726928 | TCEA3 | NM_003196.1 | 0.4 | 1.37 | 2.16 | 18.45 | 0.25 | 0.66 | 1.06 | 10.39 | 0.81 | 4.93 | 1.76 | 13.6 |
| ILMN_1768469 | TCN1 | NM_001062.3 | 1.7 | 9.43 | 1.64 | 9.1 | 1.35 | 5.75 | 0.55 | 0.9 | -0.8 | 1.28 | -0.06 | 0.01 |
| ILMN_1659610 | TJP3 | NM_014428.1 | -1.21 | 7.92 | 2.7 | 20.89 | -2.74 | 18.72 | -0.06 | 0.03 | 2.68 | 14.86 | 3.91 | 27.05 |
| ILMN_1706021 | TMPRSS4 | NM_019894.2 | 0.68 | 2.96 | 1.62 | 11.68 | 1.41 | 14.4 | 1.75 | 19.72 | 0.34 | 0.52 | 0.94 | 4.52 |
| ILMN_1676663 | TNFRSF11B | NM_002546.3 | 2.42 | 18.15 | 1.93 | 14.25 | 0.98 | 7.01 | 1.32 | 11.44 | 0.34 | 0.45 | -0.49 | 1.19 |
| ILMN_1765109 | TNFRSF25 | NM_148973.1 | 1.72 | 16.48 | 1.74 | 16.89 | 1.41 | 18.17 | 1.19 | 13.45 | -0.22 | 0.25 | 0.03 | 0.01 |
| ILMN_1801307 | TNFSF10 | NM_003810.2 | -1.48 | 8.16 | 1.22 | 6.24 | -4.45 | 26.61 | -1.2 | 2.67 | 3.25 | 13.72 | 2.69 | 16.17 |
| ILMN_1779356 | TP53 | NM_000546.3 | 0.88 | 4.39 | 1.53 | 10.39 | 1.78 | 24.72 | 2 | 28.48 | 0.22 | 0.24 | 0.65 | 2.09 |
| ILMN_1714108 | TP53INP1 | NM_033285.2 | 0.51 | 0.99 | 1.28 | 5.43 | -2.07 | 11.87 | -1.05 | 3.28 | 1.02 | 2.17 | 0.77 | 1.68 |
| ILMN_1757604 | TPM2 | NM_213674.1 | 0.83 | 5.06 | 1.51 | 12.21 | 0.66 | 3.9 | 1.23 | 11.79 | 0.58 | 1.98 | 0.68 | 2.99 |
| ILMN_1714700 | TRIB2 | NM_021643.1 | 1.11 | 6.44 | 0.52 | 1.79 | 1.29 | 15.07 | 0.79 | 6.25 | -0.5 | 1.71 | -0.58 | 1.66 |
| ILMN_1695829 | TTYH2 | NM_032646.5 | 0.47 | 2.82 | 1.69 | 18 | 1.22 | 14.74 | 1.86 | 26.89 | 0.63 | 3.25 | 1.22 | 11.29 |
| ILMN_1806040 | TYMS | NM_001071.1 | 0.56 | 2.96 | 1.09 | 8.73 | 1.87 | 24.38 | 1.64 | 19.69 | -0.23 | 0.23 | 0.52 | 2.05 |
| ILMN_1794612 | UBA7 | NM_003335.2 | -0.19 | 0.52 | 0.9 | 8.63 | -1.08 | 9.43 | -0.01 | 0.01 | 1.08 | 7.15 | 1.09 | 10.07 |
| ILMN_1742147 | UBL4A | NM_014235.3 | 1.37 | 15.36 | 1.2 | 13.25 | 1.52 | 16.15 | 1.37 | 13.28 | -0.15 | 0.08 | -0.18 | 0.26 |
| ILMN_1657679 | VAV3 | NM_006113.4 | -1.16 | 8.18 | 0.99 | 6.57 | -2.79 | 31.95 | -1.34 | 10.34 | 1.45 | 9.64 | 2.15 | 16.45 |
| ILMN_2375879 | VEGFA | NM_003376.4 | 1.03 | 9 | 0.12 | 0.22 | 1.1 | 11.42 | 0.52 | 2.72 | -0.58 | 2.4 | -0.9 | 6.63 |
| ILMN_1727271 | WARS | NM_173701.1 | 1.33 | 10.42 | 0.35 | 1.11 | 2.45 | 36.18 | 2.06 | 28.64 | -0.39 | 0.93 | -0.98 | 5.92 |
| ILMN_2337655 | WARS | NM_004184.3 | 1.63 | 18.92 | 0.86 | 8.85 | 2.23 | 40 | 1.85 | 31.67 | -0.37 | 1.29 | -0.77 | 6.61 |
| ILMN_1756043 | WDHD1 | NM_007086.2 | 1.18 | 5.59 | 1.29 | 6.62 | 1.14 | 6.26 | 0.7 | 2.33 | -0.44 | 0.49 | 0.11 | 0.03 |
| ILMN_1727184 | WDR36 | NM_139281.2 | 1.11 | 4.55 | 0.91 | 3.3 | 1.09 | 6.37 | 0.88 | 4.1 | -0.21 | 0.1 | -0.2 | 0.09 |
| ILMN_2308903 | WFDC3 | NM_181522.1 | -0.23 | 0.29 | 1.21 | 6.36 | -1.67 | 7.7 | -0.63 | 1.06 | 1.05 | 2.1 | 1.44 | 7.21 |
| ILMN_1766010 | YARS | NM_003680.2 | 1.12 | 15.7 | 0.56 | 6.36 | 1.9 | 26.43 | 1.55 | 19.25 | -0.35 | 0.72 | -0.56 | 5.41 |
| ILMN_1768110 | ZAK | NM_133646.2 | 1.42 | 8.82 | 0.48 | 1.4 | 1.44 | 19.11 | 0.64 | 4.61 | -0.79 | 5.25 | -0.95 | 4.01 |
| ILMN_1696339 | ZIC2 | NM_007129.2 | 1.07 | 8.36 | 0.85 | 5.99 | 1.16 | 15.42 | 0.43 | 2.45 | -0.73 | 5.14 | -0.23 | 0.28 |
| ILMN_1688755 | AAK1 | NM_014911.3 | -1.22 | 3.85 | -0.42 | 0.53 | -2.56 | 19.73 | -1.99 | 12.83 | 0.57 | 0.68 | 0.8 | 1.36 |
| ILMN_2404407 | ABAT | NM_000663.3 | -1.06 | 5.7 | -0.93 | 4.75 | -1.67 | 17.57 | -1.35 | 12.09 | 0.32 | 0.39 | 0.13 | 0.05 |
| ILMN_2232177 | ACTN1 | NM_001102.2 | 1.66 | 10.99 | -0.59 | 2.1 | 1.89 | 18.44 | 0.79 | 3.87 | -1.1 | 5.55 | -2.25 | 14.74 |
| ILMN_1713751 | ADAM19 | NM_033274.2 | 1.52 | 8.45 | -0.96 | 4.22 | 1.73 | 11.93 | 0.42 | 0.73 | -1.31 | 5.5 | -2.49 | 14.67 |
| ILMN_1813975 | ADI1 | NM_018269.1 | -1.75 | 4.15 | -1.36 | 2.73 | -1.7 | 12.28 | -1.44 | 9 | 0.25 | 0.13 | 0.39 | 0.12 |

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|--------------|-----------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ILMN_1755974 | ALDOC | NM_005165.2 | -1.17 | 9.61 | -0.97 | 7.49 | -1.15 | 14.03 | -0.92 | 9.33 | 0.23 | 0.3 | 0.2 | 0.22 |
| ILMN_1812926 | ANTXR2 | NM_058172.3 | 3.49 | 26.55 | 0.44 | 1.48 | 1.16 | 9.83 | -0.34 | 0.85 | -1.49 | 12.24 | -3.05 | 22.44 |
| ILMN_1763730 | APPL1 | NM_012096.2 | -1.11 | 8.06 | -0.73 | 4.23 | -1.27 | 11.48 | -1.09 | 8.51 | 0.18 | 0.11 | 0.39 | 0.89 |
| ILMN_2374865 | ATF3 | NM_001040619.1 | -1.77 | 9.73 | -2.3 | 13.76 | -1.12 | 6.35 | -0.89 | 3.95 | 0.23 | 0.12 | -0.53 | 0.85 |
| ILMN_2153332 | ATXN1 | NM_000332.2 | -0.69 | 2.53 | -1.33 | 7.69 | -1.85 | 20.03 | -1.48 | 13.69 | 0.37 | 0.54 | -0.64 | 1.69 |
| ILMN_1703123 | AXUD1 | NM_033027.2 | -1.03 | 8.55 | -1.72 | 16.55 | -0.88 | 7.79 | -1.11 | 11.16 | -0.22 | 0.24 | -0.69 | 3.99 |
| ILMN_1779163 | C11orf67 | NM_024684.2 | -0.98 | 4.11 | -1.04 | 4.67 | -1.39 | 7.68 | -0.68 | 1.87 | 0.7 | 1.28 | -0.06 | 0.01 |
| ILMN_2157709 | C14orf19 | NR_002937.1 | -1.36 | 3.85 | -1.01 | 2.33 | -1.92 | 10.48 | -1.42 | 5.88 | 0.5 | 0.38 | 0.35 | 0.14 |
| ILMN_1662578 | C1GALT1 | NM_020156.1 | -0.87 | 1.44 | -1.64 | 4.73 | -0.82 | 4.59 | -1.29 | 10.01 | -0.47 | 0.85 | -0.77 | 0.79 |
| ILMN_1676016 | C1orf152 | XM_001134421.1 | -1.45 | 9.12 | -1.09 | 6.1 | -1.37 | 6.19 | -0.64 | 1.32 | 0.73 | 1.07 | 0.36 | 0.49 |
| ILMN_1749915 | C1orf63 | NM_020317.3 | -1.17 | 2.62 | -1.04 | 2.19 | -1.66 | 8.28 | -1.25 | 4.72 | 0.41 | 0.24 | 0.13 | 0.02 |
| ILMN_2186678 | C6orf211 | NM_024573.1 | -1.15 | 2.18 | -1.29 | 2.79 | -1.23 | 9.12 | -1.29 | 9.53 | -0.06 | 0.02 | -0.14 | 0.02 |
| ILMN_1672605 | C7orf41 | NM_152793.2 | -0.52 | 3.61 | -1.15 | 12.11 | -1.95 | 25.92 | -2.06 | 27.37 | -0.11 | 0.05 | -0.63 | 4.24 |
| ILMN_1815635 | C9orf62 | XM_926593.1 | -1.48 | 6.23 | -1.45 | 6.12 | -1.1 | 3.66 | -1.13 | 3.68 | -0.03 | 0.01 | 0.04 | 0.01 |
| ILMN_1694877 | CASP6 | NM_001226.3 | -1.56 | 4.35 | -1.46 | 4 | -1.14 | 8.01 | -1.06 | 6.77 | 0.08 | 0.02 | 0.1 | 0.01 |
| ILMN_2151739 | CAT | NM_001752.2 | -1.19 | 2.16 | -0.9 | 1.33 | -1.81 | 13.16 | -1.25 | 6.64 | 0.56 | 0.83 | 0.28 | 0.06 |
| ILMN_1658743 | CNDBP1 | NM_012142.2 | -1.26 | 11.99 | -0.78 | 6.18 | -1.56 | 16.94 | -1.06 | 8.68 | 0.49 | 1.28 | 0.48 | 2.15 |
| ILMN_2290998 | CCS | NM_005125.1 | -1.09 | 11.42 | -0.72 | 6.4 | -1.06 | 8 | -0.68 | 3.33 | 0.38 | 0.57 | 0.38 | 1.58 |
| ILMN_1805519 | CD24 | NM_013230.2 | -1.1 | 8.07 | -1.82 | 15.56 | -0.71 | 7.42 | -1.07 | 14.49 | -0.36 | 1.22 | -0.72 | 3.43 |
| ILMN_2330552 | CDC2L2 | NM_033531.1 | -1.49 | 9.59 | -1.54 | 10.23 | -0.77 | 3.97 | -1.06 | 6.96 | -0.29 | 0.26 | -0.06 | 0.01 |
| ILMN_1784602 | CDKN1A | NM_000389.2 | -0.65 | 3.7 | -1.75 | 15.62 | -1.2 | 12.39 | -1.64 | 19.8 | -0.44 | 1.12 | -1.1 | 7.67 |
| ILMN_1754658 | CDRT1 | NM_006382.2 | -1.25 | 9.84 | -0.83 | 5.48 | -1.1 | 10.75 | -0.77 | 5.46 | 0.33 | 0.56 | 0.42 | 1.16 |
| ILMN_2119692 | CSAD | NM_015989.3 | -1.05 | 7.96 | -0.54 | 2.71 | -1.01 | 10.28 | -0.6 | 3.74 | 0.42 | 1.14 | 0.51 | 1.89 |
| ILMN_2115125 | CTGF | NM_001901.2 | 0.24 | 0.42 | -3.42 | 24.99 | 1.36 | 8.98 | -0.56 | 1.53 | -1.91 | 12.92 | -3.66 | 25.05 |
| ILMN_1699829 | CTGF | NM_001901.1 | 0.19 | 0.25 | -3.67 | 26.25 | 1.28 | 7.74 | -0.74 | 2.66 | -2.02 | 13.7 | -3.86 | 25.98 |
| ILMN_1783285 | CTPS | NM_001905.1 | 0.37 | 1.25 | -1.13 | 8.9 | 2.18 | 23.9 | 1.11 | 7.75 | -1.07 | 5.66 | -1.5 | 11.7 |
| ILMN_1740418 | CYP27B1 | NM_000785.3 | 2.44 | 23.27 | 0.88 | 7.14 | 1.66 | 25.34 | 0.62 | 4.66 | -1.05 | 9.89 | -1.56 | 13.76 |
| ILMN_2188264 | CYR61 | NM_001554.3 | 1.15 | 2.86 | -2.07 | 7.78 | 1.99 | 12.24 | -0.21 | 0.17 | -2.2 | 11.67 | -3.22 | 12.69 |
| ILMN_1735499 | DCBLD2 | NM_080927.3 | 2.05 | 9.94 | 0.82 | 2.27 | 1.27 | 4.8 | 0.03 | 0.01 | -1.24 | 3.22 | -1.23 | 3.93 |
| ILMN_2174127 | DCBLD2 | NM_080927.3 | 1.66 | 14.37 | 0.55 | 2.79 | 1.1 | 7.45 | -0.01 | 0.01 | -1.11 | 5.69 | -1.11 | 7.6 |
| ILMN_1804618 | DPM2 | NM_152690.1 | -1.16 | 7.47 | -1.35 | 9.39 | -1.53 | 14.07 | -1.47 | 12.73 | 0.06 | 0.02 | -0.19 | 0.12 |
| ILMN_2112301 | DRAP1 | NM_006442.2 | 1.07 | 8.98 | -0.13 | 0.22 | 2.07 | 34.92 | 0.93 | 10.43 | -1.14 | 12.2 | -1.2 | 9.58 |
| ILMN_2396020 | DUSP6 | NM_022652.2 | 1.78 | 7.63 | -0.58 | 1.07 | 3.15 | 20.65 | 1.59 | 6.33 | -1.56 | 4.69 | -2.36 | 10.28 |
| ILMN_1677466 | DUSP6 | NM_001946.2 | 2.69 | 21.16 | -0.01 | 0.01 | 3.56 | 34.65 | 1.11 | 5.26 | -2.46 | 17.55 | -2.7 | 19.88 |
| ILMN_1762899 | EGR1 | NM_001964.2 | 1.64 | 9.8 | 0.13 | 0.13 | 1.03 | 3.64 | -1.48 | 6.93 | -2.51 | 14.33 | -1.51 | 7.85 |
| ILMN_1743199 | EGR2 | NM_000399.2 | 3.62 | 26.32 | 1.01 | 6 | 1.48 | 18.68 | -0.3 | 0.87 | -1.78 | 20.63 | -2.61 | 18.44 |
| ILMN_1655930 | ELL2 | NM_012081.4 | 0.49 | 2.01 | -0.69 | 3.96 | -0.52 | 1.48 | -1.04 | 5.52 | -0.52 | 0.84 | -1.18 | 7.98 |
| ILMN_1665510 | ERRF1 | NM_018948.2 | 2.27 | 18.53 | 0.51 | 2.09 | 1.82 | 21.46 | 0.77 | 4.84 | -1.04 | 6.66 | -1.76 | 12.93 |
| ILMN_1687538 | ETS1 | NM_005238.2 | 2.45 | 11.38 | 1.16 | 3.74 | -0.61 | 1.2 | -1.35 | 5.5 | -0.74 | 1.04 | -1.29 | 3.7 |
| ILMN_2122103 | ETS1 | NM_005238.2 | 1.32 | 4.3 | 0.1 | 0.06 | -1.13 | 7.59 | -1.78 | 15.88 | -0.65 | 1.69 | -1.22 | 3.13 |
| ILMN_2129572 | F3 | NM_001993.2 | 0.52 | 0.47 | -1.88 | 5.36 | 0.77 | 2.71 | -0.98 | 4.16 | -1.74 | 9.76 | -2.4 | 6.78 |
| ILMN_1797009 | F3 | NM_001993.2 | 0.46 | 1.49 | -2.06 | 15.99 | 1.64 | 11.12 | -0.08 | 0.05 | -1.71 | 9.54 | -2.52 | 18.29 |
| ILMN_1785661 | FAM108B1 | NM_001025780.1 | -1.62 | 5.22 | -1.22 | 3.32 | -1.8 | 18.66 | -1.66 | 16.04 | 0.14 | 0.06 | 0.4 | 0.2 |
| ILMN_1740319 | FAM14A | NM_032036.2 | -1.16 | 5.21 | -1.56 | 8.45 | -1.21 | 9.36 | -0.93 | 5.68 | 0.27 | 0.23 | -0.41 | 0.46 |
| ILMN_1706015 | FAM43A | NM_153690.4 | -1.25 | 10.62 | -0.26 | 0.72 | -1.94 | 23.57 | -1.78 | 20.31 | 0.16 | 0.1 | 0.99 | 6.81 |
| ILMN_1740466 | FAM46A | NM_017633.2 | -1.18 | 10.27 | -0.41 | 1.82 | -1.11 | 15.54 | -0.46 | 3.08 | 0.65 | 4.48 | 0.77 | 4.77 |
| ILMN_1808011 | FAM46B | NM_052943.2 | -1.09 | 10.8 | -0.75 | 6.44 | -1.01 | 10.24 | -0.41 | 1.79 | 0.6 | 2.68 | 0.34 | 1.15 |
| ILMN_2239774 | FAM83A | NM_032899.4 | 2.51 | 18.23 | 0.19 | 0.26 | 1.53 | 10.18 | 0.38 | 0.63 | -1.15 | 4.47 | -2.32 | 15.6 |
| ILMN_1670158 | FAM83A | NM_207006.1 | 2.63 | 19.8 | 0.25 | 0.47 | 1.88 | 21.18 | 0.79 | 4.65 | -1.09 | 6.65 | -2.37 | 16.7 |
| ILMN_1696585 | FERMT1 | NM_017671.4 | 1.51 | 11.27 | -0.78 | 4.33 | 0.87 | 7.34 | -0.16 | 0.25 | -1.03 | 7.62 | -2.29 | 17.09 |
| ILMN_1746465 | FJX1 | NM_014344.2 | 1.26 | 11.4 | -0.22 | 0.59 | 1.86 | 20.87 | 0.8 | 4.71 | -1.06 | 6.36 | -1.49 | 12.91 |
| ILMN_1814998 | FKSG30 | NM_001017421.1 | 0.38 | 0.37 | -1.89 | 7.06 | 0.73 | 3.34 | -0.37 | 0.78 | -1.1 | 5.37 | -2.28 | 8.17 |
| ILMN_2150802 | FLJ22795 | NM_025084.1 | -1.5 | 8.36 | -0.89 | 3.71 | -1.38 | 13.87 | -1.04 | 8.33 | 0.33 | 0.49 | 0.61 | 1.39 |
| ILMN_1805665 | FLRT3 | NM_198391.1 | 1.87 | 17.04 | -0.04 | 0.04 | 0.98 | 9.05 | -0.37 | 1.34 | -1.35 | 12.62 | -1.91 | 16.22 |
| ILMN_1732158 | FMO2 | NM_001460.2 | -1.27 | 2.19 | -1.16 | 1.91 | -1 | 1.94 | -1.07 | 2.1 | -0.07 | 0.01 | 0.11 | 0.01 |
| ILMN_1771841 | FOSL1 | NM_005438.2 | 2.05 | 16.95 | -0.45 | 1.72 | 3.88 | 33.82 | 0.99 | 3.51 | -2.88 | 19.22 | -2.5 | 19.38 |
| ILMN_1704418 | FOXD1 | NM_004472.2 | 0.87 | 6.87 | -1.03 | 9 | 0.83 | 8 | -0.3 | 1 | -1.13 | 10.81 | -1.89 | 17.33 |
| ILMN_2134538 | FTHL11 | NR_002204.1 | -1.27 | 2.59 | -0.6 | 0.62 | -1.05 | 6.37 | -0.89 | 4.46 | 0.16 | 0.07 | 0.68 | 0.48 |
| ILMN_1792072 | FUT4 | NM_002033.2 | 1.56 | 12.43 | -0.17 | 0.28 | 1.33 | 15.03 | 0.24 | 0.53 | -1.09 | 8.5 | -1.73 | 13.05 |
| ILMN_2046315 | GABARAPL2 | NM_007285.6 | -1.65 | 2.95 | -1.7 | 3.19 | -1.62 | 9.03 | -1.7 | 9.46 | -0.08 | 0.02 | -0.04 | 0 |
| ILMN_1803194 | GALK1 | NM_000154.1 | -1.06 | 10.94 | -0.29 | 1.29 | -1.09 | 14.79 | -0.54 | 4.06 | 0.55 | 3.08 | 0.77 | 6.13 |
| ILMN_1788547 | GCLM | NM_002061.2 | 0.48 | 2.12 | -1.06 | 8.29 | 0.9 | 8.48 | -0.3 | 0.94 | -1.2 | 11.14 | -1.54 | 12.31 |
| ILMN_1769388 | GJB2 | NM_004004.4 | 5.23 | 31.34 | 2 | 12.79 | 3.95 | 36.67 | 1.83 | 11.73 | -2.13 | 12.58 | -3.23 | 19.79 |
| ILMN_2188722 | GLS | NM_014905.2 | -0.58 | 3.65 | -1.63 | 16.13 | -1.14 | 14.51 | -1.23 | 15.76 | -0.08 | 0.04 | -1.05 | 8.28 |
| ILMN_1795344 | GOLPH4 | NM_014498.2 | 0.82 | 2.31 | -0.22 | 0.21 | -0.5 | 0.91 | -1.02 | 3.69 | -0.52 | 0.53 | -1.04 | 2.96 |
| ILMN_1656422 | GPR87 | NM_023915.2 | -0.84 | 1.01 | -1.25 | 2.22 | -1.88 | 14.69 | -2.18 | 17.93 | -0.29 | 0.18 | -0.41 | 0.12 |

| | | | | | | | | | | | | | | |
|--------------|------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ILMN_1682599 | GPRC5A | NM_003979.3 | -2.2 | 20.22 | -2.23 | 20.58 | -1.07 | 10.61 | -1.31 | 14.3 | -0.23 | 0.25 | -0.03 | 0.01 |
| ILMN_1674034 | H2AFY | NM_138609.2 | -1.04 | 7.41 | -1.01 | 7.29 | -1.38 | 14.93 | -0.95 | 7.59 | 0.43 | 1.03 | 0.03 | 0.01 |
| ILMN_2121408 | HBEGF | NM_001945.1 | 2.92 | 24.72 | 1.28 | 10.34 | 3.54 | 42.43 | 1.63 | 14.32 | -1.91 | 15.67 | -1.64 | 12.83 |
| ILMN_2318568 | HCFC1R1 | NM_001002018.1 | -1.79 | 12.33 | -0.91 | 4.68 | -1.17 | 11.69 | -0.53 | 2.61 | 0.64 | 2.65 | 0.88 | 3.67 |
| ILMN_1694268 | HES6 | NM_018645.3 | -2.05 | 19.14 | -1.79 | 16.81 | -1.64 | 21.66 | -1.45 | 17.45 | 0.2 | 0.18 | 0.26 | 0.42 |
| ILMN_2231189 | HIAT1 | NM_033055.2 | -1.04 | 2.08 | -1.25 | 3.01 | -1.4 | 8.61 | -1.62 | 10.79 | -0.23 | 0.1 | -0.21 | 0.05 |
| ILMN_1792689 | HIST1H2AC | NM_003512.3 | -1.16 | 11.45 | -0.73 | 6.1 | -1.87 | 20.66 | -1.33 | 11.55 | 0.55 | 1.44 | 0.42 | 1.81 |
| ILMN_1756849 | HIST1H2AE | NM_021052.2 | -1.14 | 10.38 | -0.77 | 5.94 | -1.03 | 10.26 | -0.58 | 3.4 | 0.45 | 1.33 | 0.37 | 1.19 |
| ILMN_1686478 | HIST1H2AG | NM_021064.3 | -1.36 | 11.13 | -0.64 | 3.65 | -1.37 | 11 | -0.9 | 5.02 | 0.46 | 0.79 | 0.71 | 3.56 |
| ILMN_1651496 | HIST1H2BD | NM_138720.1 | -1.95 | 17.41 | -1.03 | 7.88 | -2.14 | 22.5 | -1.35 | 10.53 | 0.79 | 2.81 | 0.93 | 5.8 |
| ILMN_1687947 | HIST1H2BE | NM_003523.2 | -1.95 | 17.74 | -1.67 | 15.16 | -0.98 | 8.19 | -1.19 | 11.05 | -0.21 | 0.17 | 0.27 | 0.46 |
| ILMN_1716195 | HIST1H2BG | NM_003518.3 | -1.65 | 15.58 | -1.64 | 15.65 | -1.5 | 16.66 | -1.49 | 16.03 | 0.01 | 0 | 0.01 | 0 |
| ILMN_1658702 | HIST1H2BJ | NM_021058.3 | -1 | 3.04 | -1.17 | 4.13 | -1.23 | 7.07 | -0.96 | 4.24 | 0.27 | 0.16 | -0.17 | 0.05 |
| ILMN_1721127 | HIST1H3D | NM_003530.3 | -1.45 | 14.21 | -1.44 | 14.27 | -1.23 | 11.12 | -1.21 | 10.46 | 0.02 | 0.01 | 0.01 | 0 |
| ILMN_1749368 | HIST1H3H | NM_003536.2 | -1.47 | 17.24 | -1.15 | 13.2 | -1.57 | 17.86 | -1.45 | 15.33 | 0.12 | 0.06 | 0.32 | 1.22 |
| ILMN_1681542 | HIST1H4E | NM_003545.3 | -2.03 | 19.59 | -1.78 | 17.22 | -2.01 | 18.14 | -1.73 | 13.86 | 0.28 | 0.19 | 0.25 | 0.44 |
| ILMN_1751120 | HIST1H4H | NM_003543.3 | -2.09 | 13.84 | -1.64 | 10.38 | -2.2 | 17.45 | -2.05 | 15.17 | 0.15 | 0.05 | 0.44 | 0.73 |
| ILMN_2144426 | HIST2H2AA3 | NM_003516.2 | -2.58 | 29.65 | -1.67 | 20.65 | -2.49 | 35.98 | -1.66 | 20.49 | 0.83 | 4.9 | 0.91 | 9.31 |
| ILMN_1768973 | HIST2H2AC | NM_003517.2 | -1.55 | 9.25 | -1.14 | 5.96 | -2.16 | 30.08 | -1.52 | 17.76 | 0.64 | 2.82 | 0.41 | 0.6 |
| ILMN_1732071 | HIST2H2BE | NM_003528.2 | -1.21 | 9.64 | -0.82 | 5.54 | -1.95 | 19.39 | -1.37 | 10.61 | 0.58 | 1.36 | 0.39 | 1.01 |
| ILMN_1797728 | HMGCS1 | NM_002130.6 | 0.64 | 2.43 | -1.65 | 11.17 | 1.03 | 4.75 | -0.24 | 0.25 | -1.27 | 5.17 | -2.29 | 15.2 |
| ILMN_2351466 | HNT | NM_001048209.1 | 2.2 | 15.71 | 0.26 | 0.44 | 1.6 | 12.5 | 0.48 | 1.21 | -1.12 | 4.94 | -1.94 | 12.58 |
| ILMN_1792497 | HRB | NM_004504.3 | -0.86 | 4.27 | -1.28 | 8.11 | -0.64 | 4.15 | -1.05 | 9.89 | -0.41 | 1.01 | -0.41 | 0.75 |
| ILMN_1865735 | | | -1.41 | 9.68 | -0.58 | 2.33 | -2.3 | 15.55 | -1.49 | 7.14 | 0.81 | 1.45 | 0.83 | 3.63 |
| ILMN_1868866 | | | -1.8 | 20.76 | -1.18 | 13.33 | -1.71 | 18.96 | -0.99 | 7.31 | 0.72 | 2.95 | 0.62 | 4.62 |
| ILMN_1855278 | | | 2.11 | 14.07 | 0.02 | 0.01 | 1.59 | 9.61 | 0.17 | 0.14 | -1.42 | 5.92 | -2.1 | 12.88 |
| ILMN_1864372 | | | 1.8 | 14.83 | 0.09 | 0.11 | 1.97 | 25.31 | 0.62 | 3.35 | -1.35 | 11.63 | -1.71 | 12.87 |
| ILMN_1871457 | | | -1.22 | 11 | -0.46 | 2.37 | -1.2 | 12.27 | -0.57 | 3.06 | 0.62 | 2.56 | 0.76 | 4.78 |
| ILMN_1844593 | | | 2.26 | 7.75 | 0.8 | 1.3 | 1.03 | 3.4 | -0.12 | 0.07 | -1.15 | 2.91 | -1.46 | 3.22 |
| ILMN_1892643 | | | 2.7 | 23.72 | -0.41 | 1.61 | 1.99 | 25.33 | 0.51 | 2.25 | -1.48 | 13.3 | -3.11 | 25.33 |
| ILMN_1857295 | | | -1.42 | 11.08 | -1.29 | 9.86 | -1.84 | 19.23 | -1.61 | 15.15 | 0.23 | 0.17 | 0.13 | 0.07 |
| ILMN_1872032 | | | -1.04 | 7.71 | -0.19 | 0.37 | -1.13 | 9.77 | -0.99 | 7.48 | 0.14 | 0.07 | 0.85 | 4.92 |
| ILMN_1881909 | | | -0.53 | 0.66 | -1.89 | 6.79 | 0.49 | 0.69 | -0.57 | 0.86 | -1.06 | 2.15 | -1.35 | 3.24 |
| ILMN_1734814 | HSPA4 | NM_002154.3 | -1.07 | 2.73 | -1.31 | 4 | -0.78 | 2.16 | -1.22 | 4.91 | -0.44 | 0.31 | -0.23 | 0.07 |
| ILMN_1720710 | HSPB3 | NM_006308.1 | -2.99 | 26.45 | -2.34 | 21.54 | -1.82 | 22.76 | -1.32 | 13.44 | 0.5 | 1.46 | 0.65 | 3.31 |
| ILMN_2086095 | ID2 | NM_002166.4 | -1.53 | 5.57 | -1.48 | 5.45 | -1.62 | 13.78 | -1.24 | 8.35 | 0.39 | 0.46 | 0.05 | 0.01 |
| ILMN_1755075 | IDI1 | NM_004508.2 | -1.38 | 7.6 | -2.68 | 17.69 | -0.67 | 1.75 | -1.04 | 4.03 | -0.37 | 0.25 | -1.3 | 6.11 |
| ILMN_1798448 | IDS | NM_006123.2 | -1.66 | 4.77 | -1.92 | 6.18 | -1.72 | 12.57 | -1.77 | 12.79 | -0.05 | 0.01 | -0.26 | 0.07 |
| ILMN_1687384 | IFI6 | NM_022873.2 | -1.08 | 2.48 | -1.28 | 3.45 | -1.78 | 3.51 | -1.11 | 1.27 | 0.67 | 0.22 | -0.2 | 0.04 |
| ILMN_2392286 | IHPK1 | NM_001006115.2 | -0.98 | 8.63 | -1.15 | 10.94 | -1.1 | 10.77 | -0.99 | 8.65 | 0.11 | 0.06 | -0.17 | 0.2 |
| ILMN_1658483 | IL1A | NM_000575.3 | 4.29 | 34.89 | 0.95 | 7.56 | 2.63 | 25.83 | 0.93 | 4.34 | -1.7 | 10.75 | -3.34 | 27.85 |
| ILMN_1809141 | ING4 | NM_016162.2 | -1.23 | 10.67 | -0.84 | 6.28 | -1.12 | 10.63 | -0.44 | 1.75 | 0.68 | 2.94 | 0.39 | 1.16 |
| ILMN_1793474 | INSIG1 | NM_198336.1 | -0.09 | 0.13 | -1.28 | 11.18 | -0.85 | 5.43 | -1.31 | 11.51 | -0.47 | 1 | -1.18 | 9.02 |
| ILMN_1686989 | INSIG1 | NM_198336.1 | -1.39 | 11.97 | -2.49 | 22.53 | -1.32 | 9.34 | -1.51 | 11.44 | -0.2 | 0.09 | -1.1 | 7.86 |
| ILMN_1798181 | IRF7 | NM_004029.2 | -1.22 | 12.8 | -0.91 | 8.79 | -2.35 | 30.4 | -1.93 | 22.79 | 0.42 | 0.84 | 0.31 | 0.97 |
| ILMN_1814282 | ISG20L1 | NM_022767.2 | 0.89 | 5.18 | -0.41 | 1.33 | 2.94 | 25.57 | 1.72 | 10.78 | -1.22 | 4.43 | -1.3 | 8.35 |
| ILMN_1714820 | ITGB1 | NM_033668.1 | 0.98 | 2.02 | -0.9 | 1.78 | -0.56 | 1.75 | -1.07 | 5.98 | -0.51 | 0.84 | -1.88 | 5.51 |
| ILMN_2383934 | ITGB1 | NM_033669.1 | 0.92 | 3.08 | -0.83 | 2.64 | -0.76 | 3.21 | -1.25 | 7.79 | -0.49 | 0.72 | -1.74 | 7.84 |
| ILMN_1806023 | JUN | NM_002228.3 | 1.38 | 9.47 | -0.42 | 1.29 | 1.35 | 9.3 | 0.16 | 0.16 | -1.18 | 5.52 | -1.8 | 12.35 |
| ILMN_2071641 | KCNK1 | NM_002245.2 | -1.37 | 5.64 | -0.9 | 2.84 | -1.48 | 15.24 | -1.44 | 14.03 | 0.05 | 0.02 | 0.47 | 0.49 |
| ILMN_2158003 | KIAA1683 | NM_025249.1 | -1.32 | 8.65 | -0.42 | 1.24 | -1.62 | 13.14 | -0.99 | 5.3 | 0.63 | 1.42 | 0.9 | 4.08 |
| ILMN_1721868 | KPNA2 | NM_002266.2 | -1.3 | 7.06 | -1.96 | 12.68 | -0.7 | 2.61 | -1.19 | 6.84 | -0.49 | 0.68 | -0.67 | 1.79 |
| ILMN_1708160 | KPNA2 | NM_002266.2 | -1 | 1.13 | -1.58 | 2.76 | -1.15 | 5.15 | -1.39 | 6.97 | -0.23 | 0.09 | -0.58 | 0.2 |
| ILMN_1669820 | KRT6B | NM_005555.3 | 1.49 | 11.23 | -0.21 | 0.39 | 2.33 | 24.46 | 1.15 | 7.57 | -1.18 | 6.21 | -1.71 | 12.26 |
| ILMN_1698772 | KRT6B | NM_005555.3 | 1.44 | 7.88 | -0.18 | 0.19 | 2.12 | 18.25 | 1.04 | 5.13 | -1.08 | 4.2 | -1.62 | 8.4 |
| ILMN_1754576 | KRT6C | NM_173086.3 | 1.53 | 6.22 | 0.18 | 0.14 | 1.57 | 11.66 | 0.48 | 1.13 | -1.09 | 4.5 | -1.35 | 4.4 |
| ILMN_1688892 | LAMA3 | NM_198129.1 | 1.76 | 10.21 | -1.42 | 7.74 | 2.32 | 26.82 | 0.65 | 2.96 | -1.67 | 13.49 | -3.18 | 18.93 |
| ILMN_1704247 | LAMA3 | NM_000227.2 | 1.49 | 8.75 | -1.63 | 10.09 | 1.24 | 11.5 | -0.22 | 0.38 | -1.46 | 12.2 | -3.12 | 19.56 |
| ILMN_2406035 | LAMA3 | NM_198129.1 | 1.93 | 11.79 | -0.96 | 4.25 | 2.21 | 24.08 | 0.78 | 3.93 | -1.43 | 9.78 | -2.88 | 17.45 |
| ILMN_1653824 | LAMC2 | NM_005562.1 | 0.45 | 0.95 | -2.94 | 18.43 | 1.19 | 5.97 | -0.02 | 0.01 | -1.21 | 4.46 | -3.39 | 19.73 |
| ILMN_1706519 | LAMC2 | NM_018891.1 | 1.09 | 7.59 | -2.84 | 23.42 | 1.96 | 16.04 | 0.44 | 0.88 | -1.53 | 8.28 | -3.93 | 28.69 |
| ILMN_1701424 | LAMC2 | NM_005562.1 | 1.41 | 13.91 | -1.64 | 16.65 | 0.84 | 8.77 | -0.61 | 4.79 | -1.45 | 17.88 | -3.05 | 27.5 |
| ILMN_1803788 | LGALS3 | NM_002306.1 | -1.12 | 2.15 | -1.07 | 2.02 | -1.18 | 9.31 | -1.07 | 7.53 | 0.11 | 0.04 | 0.05 | 0.01 |
| ILMN_1704385 | LOC347376 | XM_937928.1 | -1.58 | 5.06 | -1.62 | 5.42 | -1.25 | 10.94 | -1.17 | 9.55 | 0.07 | 0.02 | -0.04 | 0.01 |
| ILMN_2170625 | LOC389286 | NM_001018022.1 | -1.41 | 4.06 | -2.32 | 9 | -1.08 | 2.37 | -1.42 | 3.89 | -0.34 | 0.1 | -0.91 | 1.38 |
| ILMN_1675421 | LOC389293 | XM_371741.5 | -1.58 | 3.46 | -1.26 | 2.37 | -1.41 | 12.74 | -1.56 | 14.61 | -0.15 | 0.07 | 0.32 | 0.08 |

| | | | | | | | | | | | | | | |
|--------------|-----------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ILMN_1765701 | LOC399942 | XM_934471.1 | -0.11 | 0.1 | -2.11 | 13.59 | 1.57 | 8.9 | -0.59 | 1.29 | -2.16 | 12.38 | -2 | 11.55 |
| ILMN_1780773 | LOC400027 | XM_931434.2 | -1.25 | 13.41 | -0.85 | 8.21 | -1.46 | 21.69 | -1.05 | 12.6 | 0.41 | 1.4 | 0.4 | 1.75 |
| ILMN_1685125 | LOC642236 | XM_943005.1 | -1.04 | 10.19 | -0.97 | 9.38 | -1.31 | 10.95 | -0.99 | 6.45 | 0.32 | 0.34 | 0.07 | 0.04 |
| ILMN_1807492 | LOC643668 | XR_019339.1 | -1.2 | 6.26 | -1.41 | 8.22 | -1.44 | 4.21 | -1.42 | 3.93 | 0.02 | 0 | -0.22 | 0.13 |
| ILMN_1692956 | LOC643949 | XR_018645.1 | -1.21 | 2.75 | -1.23 | 2.91 | -1.2 | 9.35 | -0.98 | 6.28 | 0.22 | 0.14 | -0.02 | 0 |
| ILMN_1654915 | LOC646786 | XM_929738.1 | -0.81 | 3.1 | -1.45 | 8.16 | -0.76 | 2.92 | -1.09 | 5.55 | -0.33 | 0.24 | -0.64 | 1.54 |
| ILMN_1704750 | LOC647000 | XM_929980.2 | 0.61 | 5.4 | -0.6 | 5.46 | 0.95 | 9.61 | -0.12 | 0.19 | -1.07 | 9.38 | -1.21 | 13.1 |
| ILMN_1703692 | LOC647000 | XM_929980.2 | 1 | 2.82 | -0.1 | 0.06 | 1.17 | 7.8 | -0.05 | 0.03 | -1.22 | 6.34 | -1.1 | 2.75 |
| ILMN_1761922 | LOC647037 | XM_930029.1 | -0.81 | 2.98 | -1.18 | 5.74 | -2.03 | 8.07 | -2.06 | 7.99 | -0.03 | 0.01 | -0.36 | 0.37 |
| ILMN_1757702 | LOC647673 | XM_936731.1 | -1.02 | 2.59 | -0.94 | 2.29 | -1.08 | 10.26 | -0.86 | 6.55 | 0.22 | 0.21 | 0.08 | 0.01 |
| ILMN_1704284 | LOC648164 | XM_936503.1 | -1.18 | 5.64 | -0.5 | 1.23 | -1.64 | 10.7 | -1.02 | 4.36 | 0.62 | 0.98 | 0.68 | 1.69 |
| ILMN_1700880 | LOC648399 | XM_937448.1 | -0.86 | 2.41 | -1.52 | 6.57 | -1.31 | 7.41 | -1.44 | 8.38 | -0.12 | 0.04 | -0.66 | 1.07 |
| ILMN_1726667 | LOC648638 | XM_937706.1 | -0.82 | 3.08 | -1.08 | 5.07 | -1.79 | 6.36 | -1.62 | 5.06 | 0.17 | 0.03 | -0.26 | 0.17 |
| ILMN_1676036 | LOC649679 | XM_945045.1 | -1.18 | 4.14 | -2.05 | 9.85 | -0.08 | 0.08 | -1.09 | 7.92 | -1.01 | 5.37 | -0.87 | 1.9 |
| ILMN_1671992 | LOC650128 | XM_945833.1 | -1.18 | 5.45 | -0.95 | 3.91 | -1.57 | 11.16 | -1.48 | 9.85 | 0.08 | 0.02 | 0.23 | 0.12 |
| ILMN_1679920 | LOC651894 | XM_941155.2 | -1.11 | 6.17 | -0.99 | 5.26 | -1.02 | 4.87 | -0.76 | 2.62 | 0.26 | 0.14 | 0.12 | 0.05 |
| ILMN_1695435 | LOC653610 | XM_928387.1 | -1.27 | 10.95 | -1.09 | 9.07 | -1.08 | 10.43 | -0.79 | 5.78 | 0.29 | 0.39 | 0.18 | 0.17 |
| ILMN_1668863 | LYPD1 | NM_144586.5 | -1.06 | 3.56 | -1.48 | 6.41 | -0.94 | 5.22 | -1.38 | 10.05 | -0.44 | 0.62 | -0.43 | 0.38 |
| ILMN_1776188 | MAP1LC3A | NM_181509.1 | -1.03 | 9.54 | -1.47 | 15.13 | -1.01 | 8.81 | -0.74 | 4.82 | 0.27 | 0.31 | -0.44 | 1.9 |
| ILMN_2268068 | MAPKAP1 | NM_001006618.1 | 0.36 | 2.02 | -0.91 | 9.5 | 1.38 | 20.43 | 0.3 | 1.21 | -1.07 | 11.13 | -1.27 | 13.27 |
| ILMN_1777853 | MBOAT2 | XM_001129292.1 | 1.56 | 15.13 | -0.77 | 5.96 | 1.78 | 24.82 | 0.5 | 2.66 | -1.27 | 12.22 | -2.33 | 21.35 |
| ILMN_1756806 | MCL1 | NM_021960.3 | 0.79 | 5.06 | -0.46 | 2 | 0.78 | 6.92 | -0.27 | 0.81 | -1.06 | 9.23 | -1.25 | 9.16 |
| ILMN_1751816 | MCTS1 | NM_014060.1 | -0.9 | 1.53 | -1.25 | 2.95 | -1.19 | 7.56 | -1.41 | 9.87 | -0.22 | 0.12 | -0.36 | 0.12 |
| ILMN_1773886 | MED21 | NM_004264.3 | -0.89 | 1.39 | -1.11 | 2.2 | -0.86 | 4.3 | -1.22 | 7.87 | -0.36 | 0.36 | -0.22 | 0.05 |
| ILMN_1701289 | MGC40489 | XR_016048.1 | -1.07 | 1.61 | -1.62 | 3.59 | -1.17 | 6.75 | -1.47 | 9.67 | -0.29 | 0.19 | -0.55 | 0.24 |
| ILMN_1688318 | MGC72104 | NM_207350.1 | -1.1 | 2.03 | -0.63 | 0.72 | -1.03 | 5.95 | -0.62 | 2.14 | 0.41 | 0.49 | 0.47 | 0.2 |
| ILMN_1663575 | MGC87042 | XM_001128032.1 | 2.2 | 21.59 | 0.86 | 7.04 | 2.49 | 30.35 | 1.28 | 10.84 | -1.2 | 7.79 | -1.34 | 11.73 |
| ILMN_1741847 | MMP10 | NM_002425.1 | 2.77 | 26.98 | -1.3 | 12.98 | -0.37 | 0.65 | -1.11 | 5.45 | -0.74 | 1.64 | -4.07 | 34.05 |
| ILMN_2042343 | MRPL42P5 | NR_002208.1 | -0.97 | 2.12 | -1.14 | 2.96 | -1.78 | 14.91 | -1.71 | 13.6 | 0.07 | 0.02 | -0.17 | 0.04 |
| ILMN_1714600 | NAV3 | NM_014903.4 | 3.21 | 25.13 | -0.07 | 0.07 | 1.09 | 10.53 | 0 | 0 | -1.09 | 8.21 | -3.28 | 24.3 |
| ILMN_2261076 | NEDD9 | NM_006403.2 | -1.04 | 2.35 | -1.27 | 3.5 | -2.62 | 31.68 | -1.9 | 19.99 | 0.71 | 2.54 | -0.23 | 0.06 |
| ILMN_1763144 | NEU1 | NM_000434.2 | -1.28 | 11.94 | -0.8 | 6.33 | -1.73 | 18.35 | -0.95 | 6.47 | 0.78 | 3.2 | 0.47 | 1.99 |
| ILMN_1737252 | NRG1 | NM_013962.2 | 1.54 | 11.94 | 0.06 | 0.06 | 1.8 | 16.41 | 0.45 | 1.16 | -1.35 | 7.95 | -1.48 | 10.38 |
| ILMN_1699574 | NRP1 | NM_003873.4 | 2.89 | 19.76 | 1.3 | 7.5 | 1.85 | 14.27 | 0.79 | 2.9 | -1.06 | 3.86 | -1.6 | 8.98 |
| ILMN_1697220 | NT5E | NM_002526.1 | 2.56 | 17.28 | 0.4 | 0.91 | 1.62 | 11.77 | 0.4 | 0.77 | -1.21 | 5.31 | -2.16 | 13.21 |
| ILMN_2048822 | NUDCD2 | NM_145266.4 | -1.54 | 2.41 | -1.47 | 2.27 | -1.29 | 8.36 | -1.3 | 8.12 | -0.01 | 0 | 0.07 | 0.01 |
| ILMN_1757388 | OCEL1 | NM_024578.1 | -1.05 | 8.76 | -0.17 | 0.35 | -1.61 | 20.96 | -0.93 | 8.28 | 0.68 | 3.4 | 0.88 | 5.96 |
| ILMN_1748591 | ODC1 | NM_002539.1 | 2.6 | 24.58 | -1.1 | 9.73 | 2.96 | 33.45 | 1.36 | 10.15 | -1.6 | 11.11 | -3.71 | 30.59 |
| ILMN_1721770 | PAPPA | NM_002581.3 | 1.24 | 7.61 | -0.47 | 1.43 | 2.59 | 31.38 | 0.2 | 0.29 | -2.39 | 24.18 | -1.7 | 10.83 |
| ILMN_2342695 | PDGFA | NM_033023.3 | -1.04 | 1.74 | -1.9 | 5.26 | -1.29 | 7.58 | -1.78 | 12.86 | -0.5 | 0.64 | -0.86 | 0.84 |
| ILMN_1690125 | PDLIM7 | NM_213636.1 | -0.67 | 4.83 | -1.74 | 17.69 | -0.59 | 3.17 | -1.1 | 9.63 | -0.51 | 1.46 | -1.07 | 8.82 |
| ILMN_1653292 | PFKFB4 | NM_004567.2 | 0.1 | 0.17 | -0.99 | 9.4 | -0.88 | 9.27 | -1.16 | 14.34 | -0.28 | 0.53 | -1.09 | 9.65 |
| ILMN_1671557 | PHLDA2 | NM_003311.3 | -0.26 | 0.72 | -1.98 | 18.98 | 1.31 | 13.33 | 0.22 | 0.41 | -1.09 | 7.56 | -1.72 | 15.18 |
| ILMN_1811470 | PLEK2 | NM_016445.1 | 2.26 | 20.38 | -0.83 | 5.85 | 2.54 | 35.26 | 1.36 | 14.07 | -1.19 | 9.19 | -3.09 | 25.44 |
| ILMN_1734276 | PMEP A1 | NM_199169.1 | 0.02 | 0.03 | -1 | 13.57 | 0.27 | 0.73 | -2.22 | 31.26 | -2.49 | 32.05 | -1.02 | 12.67 |
| ILMN_1657823 | PMEP A1 | NM_020182.3 | -0.16 | 0.2 | -1.04 | 6.24 | 0.66 | 3.95 | -0.34 | 0.97 | -1 | 6.45 | -0.88 | 4 |
| ILMN_2309156 | PMEP A1 | NM_199169.1 | 0.12 | 0.13 | -1.22 | 7.89 | 0.55 | 2.19 | -1.83 | 18.35 | -2.38 | 23.46 | -1.34 | 7.95 |
| ILMN_1787923 | PNPLA2 | NM_020376.2 | -1.61 | 12.58 | -1.19 | 8.56 | -1.06 | 6.25 | -0.49 | 1.29 | 0.57 | 1.12 | 0.42 | 0.98 |
| ILMN_1693664 | POMGNT1 | NM_017739.2 | -0.39 | 1.41 | -1.73 | 15.15 | -0.24 | 0.53 | -1.03 | 8.49 | -0.79 | 3.85 | -1.34 | 9.98 |
| ILMN_1802082 | PRDM8 | NM_020226.3 | 3.2 | 22.12 | 1.1 | 6.05 | 1.66 | 18.41 | 0.38 | 1.1 | -1.29 | 9.7 | -2.1 | 13.25 |
| ILMN_2360415 | PRNP | NM_183079.2 | 1.36 | 10.69 | -0.48 | 2.03 | 1.17 | 9.34 | 0.11 | 0.11 | -1.07 | 5.94 | -1.84 | 14.4 |
| ILMN_1687721 | PROC | NM_000312.1 | -1.34 | 10.08 | -0.94 | 6.16 | -2.24 | 22.43 | -1.67 | 13.87 | 0.57 | 1.17 | 0.4 | 0.9 |
| ILMN_1685699 | PRSS3 | NM_002771.2 | 1.38 | 13.29 | -0.5 | 2.83 | 1.84 | 23.14 | 0.78 | 5.27 | -1.06 | 7.45 | -1.88 | 17.42 |
| ILMN_1703926 | PTGER2 | NM_000956.2 | 1.11 | 9.96 | -0.18 | 0.39 | 0.55 | 2.26 | -0.51 | 1.86 | -1.06 | 5.95 | -1.29 | 11.09 |
| ILMN_2054297 | PTGS2 | NM_000963.1 | 2.43 | 19.2 | -0.09 | 0.1 | 1.05 | 7.15 | -0.38 | 0.89 | -1.43 | 9.68 | -2.52 | 18.64 |
| ILMN_2042771 | PTTG1 | NM_004219.2 | -1.31 | 8.48 | -0.82 | 4.21 | -1.24 | 13.77 | -0.87 | 7.17 | 0.37 | 0.82 | 0.48 | 1.13 |
| ILMN_2049021 | PTTG3 | NR_002734.1 | -1.24 | 8.66 | -0.82 | 4.74 | -1.34 | 8.35 | -1.04 | 4.99 | 0.3 | 0.2 | 0.41 | 0.92 |
| ILMN_1810591 | PUS10 | NM_144709.1 | -1 | 10.52 | -0.38 | 2.26 | -1.36 | 16.02 | -1 | 9.3 | 0.36 | 0.74 | 0.62 | 4.46 |
| ILMN_1778360 | PYGB | NM_002862.3 | 1.36 | 8.81 | -0.04 | 0.03 | 2.17 | 27.46 | 1.08 | 8.94 | -1.09 | 7.24 | -1.4 | 8.29 |
| ILMN_2358540 | RBMS1 | NM_002897.3 | -0.48 | 2.68 | -1.35 | 13.4 | -0.17 | 0.27 | -1.03 | 8.81 | -0.87 | 4.93 | -0.87 | 6.48 |
| ILMN_1678203 | RBMX2 | NM_016024.1 | -1.17 | 4.05 | -1.03 | 3.33 | -1.21 | 4.96 | -1.12 | 4.06 | 0.09 | 0.02 | 0.14 | 0.04 |
| ILMN_1766085 | REL | NM_002908.2 | -1.23 | 4.01 | -0.32 | 0.32 | -1.09 | 5.46 | -0.44 | 0.83 | 0.66 | 1.22 | 0.92 | 1.87 |
| ILMN_2071826 | RNF152 | NM_173557.2 | -1.68 | 18.28 | -0.81 | 7.46 | -1.6 | 22.32 | -1.02 | 10.62 | 0.58 | 2.68 | 0.86 | 7.18 |
| ILMN_1812327 | RNF19A | NM_183419.1 | -1.07 | 2.84 | -0.99 | 2.54 | -1.36 | 9.71 | -1.14 | 6.82 | 0.22 | 0.12 | 0.08 | 0.01 |
| ILMN_2150284 | RNPC3 | NM_017619.3 | -1.3 | 4.31 | -1.14 | 3.55 | -1.76 | 18.55 | -1.45 | 13.2 | 0.31 | 0.35 | 0.16 | 0.04 |
| ILMN_1696466 | ROPN1L | NM_031916.2 | -1.02 | 8.94 | -0.91 | 7.78 | -1.06 | 15 | -1.05 | 14.26 | 0.01 | 0.01 | 0.11 | 0.07 |

| | | | | | | | | | | | | | | |
|--------------|-----------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ILMN_1726460 | RPL14 | NM_001034996.1 | -1.37 | 4.28 | -1.46 | 4.95 | -1.13 | 5.09 | -1.01 | 3.91 | 0.12 | 0.03 | -0.1 | 0.02 |
| ILMN_1803810 | RRBP1 | NM_001042576.1 | -0.41 | 0.55 | -1.04 | 3.36 | -0.75 | 2.55 | -1.03 | 4.5 | -0.28 | 0.15 | -0.63 | 0.9 |
| ILMN_1725852 | S100A2 | NM_005978.3 | 0.51 | 1.3 | -1.84 | 11.36 | 1.37 | 14.52 | 0 | 0 | -1.37 | 11.67 | -2.35 | 13.99 |
| ILMN_1720889 | SC4MOL | NM_001017369.1 | -0.39 | 0.9 | -2.1 | 14.59 | -0.17 | 0.27 | -1.12 | 9.21 | -0.94 | 5.26 | -1.71 | 10.24 |
| ILMN_2397028 | SERPINB8 | NM_002640.3 | 0.55 | 2.81 | -1.37 | 11.74 | 1.29 | 13.71 | 0.24 | 0.52 | -1.05 | 7.45 | -1.92 | 16.09 |
| ILMN_1744381 | SERPINE1 | NM_000602.1 | -0.58 | 4.27 | -3.72 | 34.38 | 1.35 | 15.62 | -0.06 | 0.07 | -1.42 | 13.7 | -3.14 | 29.43 |
| ILMN_1655595 | SERPINE2 | NM_006216.2 | 0.71 | 3.73 | -3.4 | 26.75 | 2.75 | 27.48 | 0.65 | 2.17 | -2.1 | 15.36 | -4.1 | 29.43 |
| ILMN_1754126 | SH2D5 | XM_375698.3 | 1.8 | 19.92 | 0.21 | 0.7 | 1.79 | 23.82 | 0.47 | 2.14 | -1.32 | 12.24 | -1.59 | 16.41 |
| ILMN_1765872 | SIPA1L3 | NM_015073.1 | -1.65 | 4.27 | -1.6 | 4.17 | -0.87 | 2.26 | -1.08 | 3.35 | -0.22 | 0.07 | 0.05 | 0.01 |
| ILMN_1705231 | SLCO2A1 | NM_005630.1 | 0.98 | 7.49 | -1.07 | 8.67 | 1.93 | 25.62 | 0.8 | 5.86 | -1.13 | 8.78 | -2.06 | 17.57 |
| ILMN_2203896 | SMAD7 | NM_005904.2 | -1.02 | 1.41 | -2.44 | 6.74 | -0.51 | 1.74 | -1.18 | 8.28 | -0.67 | 1.91 | -1.42 | 2.11 |
| ILMN_2082585 | SNAI2 | NM_003068.3 | 1.3 | 8.7 | -0.39 | 1.1 | 1.14 | 11.19 | -0.06 | 0.06 | -1.21 | 9.7 | -1.69 | 11.34 |
| ILMN_1805466 | SOX9 | NM_000346.2 | 2.17 | 13.83 | 0.45 | 1.08 | 2.06 | 18.33 | 0.67 | 2.34 | -1.39 | 7.4 | -1.71 | 9.35 |
| ILMN_2367681 | SPAG1 | NM_003114.3 | -0.93 | 1.37 | -2.01 | 5.6 | -0.69 | 3.05 | -1.29 | 9.31 | -0.6 | 1.39 | -1.08 | 1.37 |
| ILMN_2086105 | SPRY4 | NM_030964.2 | 1.83 | 18.1 | 0.17 | 0.38 | 2.46 | 31.62 | 0.95 | 6.85 | -1.51 | 12.8 | -1.65 | 15.14 |
| ILMN_2257607 | STARD13 | NM_178006.1 | -0.18 | 0.09 | -1.09 | 2.04 | -1.92 | 7.32 | -1.29 | 3.31 | 0.63 | 0.41 | -0.91 | 0.99 |
| ILMN_1733094 | STEAP1 | NM_012449.2 | 1.52 | 15.36 | 0.47 | 2.7 | 1.96 | 24.38 | 0.94 | 7.09 | -1.03 | 6.58 | -1.05 | 8.79 |
| ILMN_1778617 | TAF9 | NM_001015891.1 | -0.48 | 0.67 | -1.08 | 3.19 | -0.74 | 1.54 | -1.1 | 3.2 | -0.36 | 0.15 | -0.59 | 0.66 |
| ILMN_1698179 | TAGLN3 | NM_001008273.1 | 1.13 | 11.84 | 0.07 | 0.1 | 1.14 | 14.75 | 0.11 | 0.18 | -1.03 | 9.87 | -1.06 | 10.02 |
| ILMN_1746243 | TES | NM_015641.2 | -0.43 | 0.96 | -1.17 | 5.95 | -1.31 | 8.59 | -1.52 | 10.72 | -0.21 | 0.1 | -0.73 | 2.1 |
| ILMN_2068104 | TFPI2 | NM_006528.2 | 1.63 | 2.68 | 0.13 | 0.04 | 1.99 | 17.82 | 0.48 | 1.23 | -1.5 | 8.92 | -1.5 | 1.83 |
| ILMN_2083946 | TGFA | NM_003236.1 | 1.02 | 5.35 | -0.34 | 0.72 | 0.92 | 7.47 | -0.21 | 0.38 | -1.13 | 8.35 | -1.35 | 7.44 |
| ILMN_1690040 | TM7SF2 | NM_003273.2 | -1.62 | 15.67 | -1.63 | 15.98 | -1.25 | 14.27 | -0.91 | 8.04 | 0.34 | 0.67 | -0.01 | 0 |
| ILMN_1792455 | TMEM158 | NM_015444.2 | 0.75 | 4.64 | -0.68 | 3.96 | 0.34 | 1.05 | -0.96 | 7.72 | -1.3 | 10.78 | -1.43 | 10.93 |
| ILMN_1742813 | TMEM167 | NM_174909.3 | -0.51 | 0.66 | -1.08 | 2.86 | -0.86 | 3.24 | -1.31 | 6.9 | -0.45 | 0.45 | -0.57 | 0.52 |
| ILMN_1728009 | TMEM171 | NM_173490.5 | 1.67 | 16.48 | 0.06 | 0.08 | 2.63 | 28.36 | 1.12 | 7.08 | -1.51 | 9.77 | -1.6 | 14.66 |
| ILMN_1669940 | TMEM38B | NM_018112.1 | -1.18 | 13.05 | -1.25 | 14.1 | -0.39 | 1.38 | -1.03 | 8.68 | -0.64 | 2.54 | -0.07 | 0.04 |
| ILMN_1692754 | TMEM49 | NM_030938.2 | -0.39 | 1.14 | -2.1 | 16.59 | -0.67 | 5.09 | -1.12 | 12.16 | -0.45 | 1.41 | -1.7 | 11.92 |
| ILMN_1689004 | TNFRSF12A | NM_016639.1 | -0.29 | 0.52 | -2.46 | 17.38 | 0.84 | 2.99 | -0.55 | 1.2 | -1.39 | 5.79 | -2.17 | 13.91 |
| ILMN_2082314 | TOM1 | NM_005488.1 | -1.16 | 9.21 | -0.72 | 4.5 | -1.48 | 15.46 | -0.77 | 4.73 | 0.71 | 2.91 | 0.45 | 1.4 |
| ILMN_1686906 | TP53INP2 | NM_021202.1 | -1.61 | 13.08 | -1.61 | 13.22 | -1.3 | 12.46 | -1.02 | 7.91 | 0.28 | 0.31 | 0 | 0 |
| ILMN_2130525 | TSPAN13 | NM_014399.3 | -0.97 | 1.79 | -1.34 | 3.37 | -1.7 | 18.78 | -1.57 | 16.07 | 0.13 | 0.07 | -0.37 | 0.14 |
| ILMN_1799028 | TSPAN5 | NM_005723.2 | -0.27 | 0.7 | -1.07 | 8.53 | -0.87 | 3.89 | -1.53 | 10.46 | -0.66 | 1.37 | -0.81 | 4.69 |
| ILMN_1742981 | TUBA1A | NM_006009.2 | -0.42 | 1.02 | -2.53 | 17.5 | 1.33 | 7.75 | -0.68 | 2.06 | -2.01 | 12.69 | -2.1 | 13.09 |
| ILMN_1742167 | TUBA1C | NM_032704.2 | 0.03 | 0.02 | -1.6 | 12.88 | 1.42 | 14.27 | -0.04 | 0.03 | -1.46 | 12.09 | -1.63 | 11.96 |
| ILMN_2215640 | TUBA3D | NM_080386.1 | -0.56 | 0.69 | -1.93 | 6.7 | 0.69 | 2.15 | -0.69 | 2.04 | -1.39 | 6.09 | -1.37 | 3.11 |
| ILMN_1784300 | TUBA4A | NM_006000.1 | -0.81 | 1.39 | -2.07 | 7.44 | -0.27 | 0.53 | -2.02 | 21.73 | -1.75 | 14.74 | -1.27 | 2.66 |
| ILMN_1665583 | TUBB | NM_178014.2 | 0.63 | 2.81 | -0.78 | 4.26 | 1.26 | 11.91 | -0.07 | 0.07 | -1.33 | 10.48 | -1.41 | 9.29 |
| ILMN_2044813 | TUBB2A | NM_001069.2 | -0.31 | 0.31 | -1.44 | 5.46 | 0.85 | 3.06 | -0.24 | 0.24 | -1.09 | 3.47 | -1.13 | 2.94 |
| ILMN_2038775 | TUBB2A | NM_001069.2 | -0.06 | 0.06 | -1.94 | 18.36 | 0.88 | 7.01 | -0.61 | 3.36 | -1.48 | 13.95 | -1.89 | 16.52 |
| ILMN_1780769 | TUBB2C | NM_006088.5 | -0.18 | 0.39 | -1.75 | 17.28 | 0.84 | 4.18 | -0.43 | 1.01 | -1.27 | 6.8 | -1.57 | 14.12 |
| ILMN_1791726 | TUBB3 | NM_006086.2 | -0.77 | 9.05 | -1.97 | 25.53 | -0.43 | 2.71 | -1.29 | 18.88 | -0.87 | 7.83 | -1.21 | 14.86 |
| ILMN_1750100 | TUBB4Q | NM_020040.3 | -0.92 | 2.97 | -2.18 | 11.63 | 0.16 | 0.15 | -1 | 4.26 | -1.16 | 4.3 | -1.26 | 4.46 |
| ILMN_1702636 | TUBB6 | NM_032525.1 | 0.03 | 0.03 | -1.48 | 13.98 | 1.02 | 7.56 | -0.21 | 0.31 | -1.23 | 8.13 | -1.51 | 13.12 |
| ILMN_1699489 | TUBB6 | XM_940079.1 | 0.07 | 0.14 | -2.01 | 25.53 | 0.77 | 6.11 | -0.93 | 8.37 | -1.7 | 19.22 | -2.09 | 24.92 |
| ILMN_1705144 | ULK1 | NM_003565.1 | -1.06 | 8.96 | -1.02 | 8.63 | -1.84 | 22.3 | -1.21 | 11.09 | 0.64 | 2.4 | 0.04 | 0.01 |
| ILMN_1735052 | ULK1 | NM_003565.1 | -1.19 | 14.01 | -1.03 | 11.96 | -1.82 | 19.74 | -1.01 | 7.08 | 0.82 | 3.54 | 0.15 | 0.23 |
| ILMN_1798256 | UPP1 | NM_003364.2 | 1.14 | 13.43 | -0.1 | 0.23 | 1.98 | 22.01 | 0.5 | 1.77 | -1.49 | 11.37 | -1.24 | 13.79 |
| ILMN_1792138 | UQCRH | NM_006004.1 | -1.31 | 4.23 | -1.23 | 3.9 | -1.17 | 5.6 | -1.05 | 4.39 | 0.12 | 0.03 | 0.08 | 0.01 |
| ILMN_1701204 | VEGFC | NM_005429.2 | 1.85 | 17.47 | -0.28 | 0.87 | 1.47 | 14.32 | 0.17 | 0.23 | -1.3 | 9.22 | -2.13 | 18.83 |
| ILMN_2199389 | VIPR1 | NM_004624.2 | -1.49 | 13.41 | -0.93 | 7.24 | -1.39 | 13.48 | -0.89 | 5.91 | 0.5 | 1.25 | 0.56 | 2.46 |
| ILMN_2093231 | WBP1 | NM_012477.2 | -1.02 | 6.69 | -0.72 | 3.96 | -1.45 | 17.95 | -0.84 | 6.92 | 0.61 | 2.68 | 0.29 | 0.42 |
| ILMN_1666392 | WNT4 | NM_030761.3 | -1.9 | 17.74 | -2.18 | 20.43 | -1.21 | 9.56 | -0.82 | 4.57 | 0.38 | 0.54 | -0.28 | 0.51 |
| ILMN_2085922 | WRB | NM_004627.2 | -1.27 | 3.39 | -1.26 | 3.45 | -1.53 | 16.94 | -1.64 | 18.4 | -0.11 | 0.05 | 0.01 | 0 |
| ILMN_1664802 | WSB1 | NM_134265.2 | -1.1 | 2.84 | -1.2 | 3.38 | -1.43 | 15.02 | -1.23 | 11.4 | 0.2 | 0.14 | -0.09 | 0.01 |
| ILMN_2415776 | WVOX | NM_130844.1 | -1.25 | 6.27 | -0.51 | 1.31 | -1.4 | 10.96 | -1.17 | 7.75 | 0.23 | 0.14 | 0.74 | 2.05 |
| ILMN_2363668 | YIF1B | NM_001039673.1 | -1.21 | 12.11 | -0.89 | 8.18 | -1.21 | 12.31 | -1.01 | 8.73 | 0.2 | 0.16 | 0.32 | 0.94 |
| ILMN_1670878 | YTHDC1 | NM_001031732.2 | -1.41 | 8.33 | -1.64 | 10.44 | -1.62 | 10.53 | -1.68 | 10.77 | -0.05 | 0.01 | -0.23 | 0.16 |
| ILMN_2080637 | ZBTB44 | NM_014155.3 | -1.25 | 5.71 | -1.16 | 5.21 | -1.08 | 6.1 | -0.91 | 4.25 | 0.17 | 0.07 | 0.09 | 0.02 |
| ILMN_1764415 | ZNF585A | NM_152655.2 | -0.65 | 1.42 | -1.03 | 3.47 | -1.05 | 4.22 | -0.77 | 2.15 | 0.29 | 0.13 | -0.38 | 0.28 |
| ILMN_1812856 | ZSWIM1 | NM_080603.3 | -1.14 | 13.51 | -0.78 | 8.25 | -1.07 | 15.28 | -0.45 | 3.11 | 0.62 | 4.28 | 0.36 | 1.79 |
| ILMN_1677814 | ABCC3 | NM_003786.2 | 1.85 | 19.89 | 0.71 | 5.95 | 2.45 | 47.93 | 1.78 | 33.2 | -0.67 | 5.52 | -1.15 | 10.61 |
| ILMN_2152131 | ACTB | NM_001101.2 | 0.5 | 2.71 | -0.8 | 6.24 | 1.1 | 12.19 | 0.56 | 3.44 | -0.54 | 2.2 | -1.29 | 11.1 |
| ILMN_2038777 | ACTB | NM_001101.2 | 1.1 | 4.81 | -0.36 | 0.63 | 1.68 | 17.72 | 0.98 | 6.92 | -0.7 | 2.57 | -1.46 | 6.68 |
| ILMN_1702933 | ADM2 | NM_024866.4 | 2.19 | 21.22 | 0.33 | 1.26 | 2.03 | 27.39 | 1.29 | 13.53 | -0.74 | 3.71 | -1.86 | 16.93 |
| ILMN_1695590 | ADRB2 | NM_000024.4 | 1.68 | 14.97 | 0.59 | 3.3 | 1.47 | 18.75 | 0.9 | 8 | -0.57 | 2.42 | -1.09 | 7.67 |

| | | | | | | | | | | | | | | |
|--------------|-----------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| ILMN_1802458 | AGTRAP | NM_001040196.1 | 0.5 | 2.8 | -0.62 | 4.33 | 1.36 | 11.03 | 1.01 | 6.35 | -0.34 | 0.38 | -1.12 | 9.34 |
| ILMN_2307656 | AGTRAP | NM_001040194.1 | 0.68 | 3.73 | -0.56 | 2.72 | 1.29 | 9.49 | 0.85 | 4.25 | -0.44 | 0.64 | -1.24 | 8.66 |
| ILMN_1788462 | AMD1 | NM_001033059.1 | 1.44 | 6.78 | 0.1 | 0.07 | 1.54 | 10.61 | 0.74 | 2.63 | -0.79 | 2.05 | -1.34 | 5.3 |
| ILMN_1667994 | AMD1 | NM_001634.4 | 0.39 | 0.39 | -0.93 | 2.07 | 1.41 | 8.8 | 0.61 | 1.66 | -0.8 | 2 | -1.32 | 3.2 |
| ILMN_1707727 | ANGPTL4 | NM_139314.1 | 1.62 | 11.94 | -0.07 | 0.07 | 1.09 | 7.15 | 0.4 | 0.91 | -0.7 | 2 | -1.7 | 11.62 |
| ILMN_1689431 | APCDD1L | NM_153360.1 | 1.64 | 13.75 | -0.77 | 4.79 | 1.23 | 9.77 | 0.41 | 1.11 | -0.82 | 3.27 | -2.41 | 19.4 |
| ILMN_1734742 | ARHGDI4 | NM_004309.3 | 0.31 | 0.89 | -0.88 | 5.95 | 1.37 | 16.66 | 0.72 | 5.29 | -0.65 | 3.14 | -1.19 | 8.29 |
| ILMN_2405305 | ARNTL | NM_001030272.1 | 0.9 | 4.48 | -0.95 | 5.05 | 1.1 | 12.59 | 0.66 | 4.85 | -0.44 | 1.44 | -1.85 | 11.83 |
| ILMN_1796417 | ASNS | NM_133436.1 | 1.35 | 13.12 | -0.4 | 1.98 | 2.46 | 28.16 | 1.87 | 18.56 | -0.59 | 1.55 | -1.75 | 16.42 |
| ILMN_2398107 | ASNS | NM_133436.1 | 0.62 | 0.71 | -0.8 | 1.24 | 2.56 | 9.46 | 1.66 | 4.1 | -0.9 | 0.69 | -1.42 | 2.88 |
| ILMN_1655884 | ATP2A2 | NM_170665.2 | -0.1 | 0.09 | -1.06 | 5.06 | 1.13 | 8.08 | 0.62 | 2.49 | -0.51 | 1.01 | -0.95 | 3.49 |
| ILMN_1815666 | ATP2A2 | NM_170665.2 | -0.13 | 0.14 | -1.36 | 8.73 | 1.18 | 9.55 | 0.68 | 3.35 | -0.49 | 1.08 | -1.23 | 6.56 |
| ILMN_1766169 | BCAT1 | NM_005504.4 | 3.42 | 17.56 | 2.29 | 11.07 | 2.35 | 16.18 | 1.74 | 9.52 | -0.61 | 0.72 | -1.13 | 3.09 |
| ILMN_1798270 | C11orf75 | NM_020179.1 | -1.02 | 5 | -1.45 | 8.75 | 1.03 | 5.13 | 0.59 | 1.61 | -0.44 | 0.49 | -0.43 | 0.68 |
| ILMN_1786273 | C1orf122 | NM_198446.1 | -0.39 | 1.58 | -1.1 | 9.34 | 1.05 | 9.82 | 0.4 | 1.48 | -0.65 | 2.8 | -0.71 | 4.02 |
| ILMN_1761762 | C6orf141 | NM_153344.1 | 1.42 | 13.12 | -0.23 | 0.61 | 1.59 | 16.48 | 0.87 | 5.56 | -0.72 | 2.83 | -1.65 | 14.5 |
| ILMN_1681118 | CAPRIN2 | NM_001002259.1 | 1.94 | 17.2 | 0.33 | 1.07 | 1.17 | 11.4 | 0.24 | 0.5 | -0.93 | 5.7 | -1.61 | 12.87 |
| ILMN_2345739 | CAPRIN2 | NM_023925.3 | 2.12 | 10.98 | 0.22 | 0.21 | 1.41 | 8.98 | 0.53 | 1.28 | -0.88 | 2.55 | -1.9 | 8.59 |
| ILMN_1804735 | CBS | NM_000071.1 | 2.23 | 23.07 | 1.07 | 10.41 | 2.13 | 29.41 | 1.81 | 23.1 | -0.32 | 0.51 | -1.16 | 10.46 |
| ILMN_2157099 | CCNA1 | NM_003914.2 | 2.44 | 19.03 | 0.15 | 0.21 | 1.16 | 11.52 | 0.17 | 0.27 | -0.99 | 6.68 | -2.29 | 16.6 |
| ILMN_1739241 | CHAC1 | NM_024111.2 | 1.35 | 8.39 | 0.24 | 0.39 | 1.93 | 18.19 | 1.03 | 6.1 | -0.89 | 3.37 | -1.11 | 5.5 |
| ILMN_1787691 | CITED4 | NM_133467.2 | 1.78 | 18.78 | 0.67 | 5.25 | 1.27 | 14.77 | 0.64 | 4.19 | -0.63 | 2.95 | -1.11 | 9.94 |
| ILMN_2403247 | CMTM7 | NM_181472.1 | 1.31 | 7.39 | -0.09 | 0.08 | 1.8 | 14.52 | 0.98 | 4.8 | -0.82 | 2.37 | -1.4 | 7.3 |
| ILMN_1812297 | CYP26B1 | NM_019885.2 | 0.84 | 8.4 | -0.36 | 2.05 | 1.56 | 23.4 | 1.23 | 15.87 | -0.33 | 0.83 | -1.19 | 12.37 |
| ILMN_1808391 | DUSP4 | NM_001394.5 | 2.18 | 15.28 | 0.68 | 2.74 | 1.77 | 20.39 | 1.27 | 11.68 | -0.5 | 1.29 | -1.5 | 8.64 |
| ILMN_1798210 | E2F7 | NM_203394.2 | 3.01 | 19.76 | 1.22 | 6.48 | 2.03 | 18.1 | 1.17 | 6.9 | -0.86 | 2.78 | -1.78 | 9.94 |
| ILMN_1739222 | ETV5 | NM_004454.1 | 3.05 | 22.65 | 0.34 | 0.82 | 3 | 25.75 | 2.18 | 15.6 | -0.82 | 1.78 | -2.71 | 19.02 |
| ILMN_1651776 | FHOD1 | NM_013241.2 | 0.94 | 9.8 | -0.6 | 5.13 | 1.13 | 13.7 | 0.81 | 7.44 | -0.32 | 0.7 | -1.54 | 16.58 |
| ILMN_2151281 | GABARAPL1 | NM_031412.2 | -1.75 | 4.63 | -1 | 1.73 | -2.65 | 22.59 | -1.52 | 9 | 1.12 | 3.85 | 0.76 | 0.64 |
| ILMN_1771026 | GARS | NM_002047.2 | 1.73 | 16.09 | 0.45 | 2.16 | 1.59 | 16.18 | 1.36 | 12.1 | -0.23 | 0.18 | -1.28 | 10.21 |
| ILMN_1778240 | GFOD1 | NM_018988.2 | -0.21 | 0.5 | -1.58 | 15.44 | 1.2 | 11.77 | 0.76 | 4.98 | -0.44 | 1.06 | -1.37 | 11.94 |
| ILMN_1696485 | HNRNPAB | NM_031266.2 | -0.19 | 0.2 | -1.24 | 5.85 | 2.13 | 21.59 | 1.52 | 12.39 | -0.61 | 1.45 | -1.05 | 3.66 |
| ILMN_2335718 | HNRNPAB | NM_004499.3 | -0.15 | 0.2 | -1.01 | 6.77 | 1.99 | 21.56 | 1.31 | 10.78 | -0.68 | 2.2 | -0.87 | 4.47 |
| ILMN_2346479 | HOMER2 | NM_199332.2 | 0.83 | 7.4 | -0.43 | 2.58 | 1.34 | 12.95 | 0.49 | 1.85 | -0.86 | 4.26 | -1.26 | 12.07 |
| ILMN_1671486 | HOMER2 | NM_199331.2 | 0.86 | 9.27 | -0.74 | 7.62 | 1.74 | 24.88 | 0.88 | 8 | -0.87 | 6.15 | -1.61 | 18.17 |
| ILMN_1903914 | | | 0.92 | 1.84 | -0.46 | 0.5 | 1.09 | 4.67 | 0.24 | 0.23 | -0.85 | 1.87 | -1.38 | 3.23 |
| ILMN_1773865 | HSPA5 | NM_005347.2 | 1.24 | 9.15 | -0.26 | 0.61 | 1.66 | 23.5 | 1.13 | 12.52 | -0.53 | 2.22 | -1.51 | 10.86 |
| ILMN_2141790 | HYOU1 | NM_006389.2 | 0.43 | 1.14 | -0.93 | 4.89 | 1.1 | 9.46 | 0.4 | 1.31 | -0.69 | 2.8 | -1.36 | 7.67 |
| ILMN_1673649 | HYOU1 | NM_006389.2 | 0.41 | 1.36 | -0.9 | 5.76 | 1.02 | 7.99 | 0.31 | 0.73 | -0.71 | 2.8 | -1.31 | 8.89 |
| ILMN_1734781 | IFNE1 | NM_176891.3 | 1.71 | 15.34 | -0.06 | 0.07 | 1.14 | 15.09 | 0.28 | 1.01 | -0.86 | 7.23 | -1.78 | 14.86 |
| ILMN_2097997 | IFNE1 | NM_176891.3 | 1.91 | 15.24 | 0.05 | 0.05 | 1.42 | 19.73 | 0.47 | 2.65 | -0.95 | 8.01 | -1.86 | 13.66 |
| ILMN_2242900 | IL1RL1 | NM_003856.2 | 1.02 | 8.48 | 0.01 | 0.01 | 1.26 | 12.85 | 0.81 | 5.68 | -0.45 | 1.12 | -1 | 7.45 |
| ILMN_2313672 | IL1RL1 | NM_003856.2 | 2.41 | 11.9 | 0.43 | 0.62 | 1.66 | 11.78 | 0.83 | 3.19 | -0.82 | 2.19 | -1.99 | 8.29 |
| ILMN_2086077 | JUNB | NM_002229.2 | 0.19 | 0.5 | -0.87 | 8.04 | 1.11 | 9.55 | 0.13 | 0.16 | -0.98 | 5.71 | -1.06 | 9.45 |
| ILMN_1786326 | KCTD15 | NM_024076.1 | 1.42 | 16.67 | 0.38 | 2.43 | 2.2 | 36.67 | 1.47 | 21.01 | -0.73 | 5.08 | -1.03 | 10.49 |
| ILMN_1713901 | KDELRL3 | NM_016657.1 | 1.43 | 8.33 | 0.13 | 0.13 | 1.22 | 11.16 | 0.51 | 2.07 | -0.71 | 2.9 | -1.3 | 6.4 |
| ILMN_1736760 | KRT16 | NM_005557.2 | 0.25 | 0.49 | -0.86 | 5.04 | 1.08 | 8.26 | 0.59 | 2.53 | -0.49 | 1.06 | -1.12 | 6.5 |
| ILMN_2228162 | KRT16 | NM_005557.2 | -0.34 | 0.24 | -1.23 | 2.66 | 1.13 | 6.11 | 0.73 | 2.53 | -0.4 | 0.38 | -0.88 | 0.99 |
| ILMN_1693685 | LOC205251 | XR_017711.1 | -0.6 | 2.8 | -1.08 | 7.62 | 1.01 | 6.24 | 0.61 | 2.26 | -0.4 | 0.52 | -0.48 | 1.42 |
| ILMN_1661743 | LOC644760 | XM_932354.1 | -1.61 | 6.92 | -0.86 | 2.49 | -2.62 | 20.59 | -1.3 | 6.18 | 1.31 | 4.79 | 0.74 | 1.38 |
| ILMN_1676712 | LOC645553 | XM_932965.2 | -1.63 | 13.11 | -0.64 | 3.28 | -2.98 | 20.57 | -1.69 | 7.79 | 1.29 | 3.5 | 0.99 | 5.77 |
| ILMN_1680774 | LOC730994 | XM_001132373.1 | 1.92 | 19.72 | 0.21 | 0.59 | 1.04 | 10.17 | 1.15 | 11.68 | 0.11 | 0.06 | -1.71 | 16.37 |
| ILMN_1677765 | LRP8 | NM_017522.3 | 1.53 | 11.35 | -0.24 | 0.46 | 1.84 | 16.96 | 0.97 | 5.39 | -0.87 | 3.22 | -1.77 | 12.57 |
| ILMN_1719543 | MAF | NM_005360.3 | -0.98 | 7.32 | -1.1 | 8.87 | -2.54 | 23.46 | -1.35 | 8.24 | 1.19 | 4.99 | -0.13 | 0.08 |
| ILMN_1680139 | MAFF | NM_012323.2 | 1.32 | 15.47 | 0.1 | 0.21 | 1.13 | 12.5 | 0.52 | 2.88 | -0.61 | 2.85 | -1.21 | 13.05 |
| ILMN_1799819 | MARS | NM_004990.2 | 0.85 | 5.68 | -0.26 | 0.65 | 2.17 | 19.8 | 1.63 | 12.2 | -0.54 | 0.9 | -1.11 | 7.61 |
| ILMN_1726153 | MGC4677 | XM_939115.1 | 1.47 | 13.05 | 0.37 | 1.4 | 1.59 | 16.91 | 0.99 | 7.4 | -0.59 | 1.88 | -1.1 | 8.04 |
| ILMN_2143795 | MGC4677 | NM_052871.3 | 0.96 | 6.8 | -0.25 | 0.6 | 1.68 | 23.02 | 1.38 | 16.65 | -0.3 | 0.52 | -1.2 | 8.59 |
| ILMN_1743232 | MICALCL | NM_032867.2 | 1.8 | 8.85 | 0.11 | 0.08 | 1.5 | 12.39 | 0.54 | 1.74 | -0.96 | 4.05 | -1.69 | 7.23 |
| ILMN_2274180 | MKKS | NM_170784.1 | -0.33 | 1.46 | -1.38 | 14.56 | 1.33 | 13.76 | 0.54 | 2.55 | -0.78 | 3.92 | -1.05 | 9.29 |
| ILMN_1679995 | MPP6 | NM_016447.2 | 0.9 | 7.78 | -0.24 | 0.76 | 1.28 | 10.43 | 0.46 | 1.41 | -0.82 | 3.25 | -1.14 | 9.9 |
| ILMN_1774547 | M-RIP | NM_015134.2 | 1.02 | 8.16 | -0.14 | 0.24 | 1.61 | 27.1 | 1.14 | 16.05 | -0.46 | 2.19 | -1.16 | 8.88 |
| ILMN_1772521 | MTHFD1L | NM_015440.3 | 1.35 | 14.17 | 0.28 | 1.09 | 2.92 | 47.22 | 2.32 | 36.14 | -0.6 | 2.91 | -1.08 | 9.68 |
| ILMN_1674706 | MTHFD2 | NM_006636.3 | 2.27 | 18.78 | 0.68 | 3.6 | 2.2 | 17.99 | 1.49 | 9.11 | -0.71 | 1.48 | -1.59 | 11.56 |
| ILMN_2405521 | MTHFD2 | NM_001040409.1 | 3.14 | 22.78 | 1.45 | 9.72 | 2.41 | 22.56 | 1.67 | 12.38 | -0.74 | 1.85 | -1.69 | 10.72 |
| ILMN_2329165 | MYO1C | NM_001080779.1 | 0.61 | 3.07 | -0.45 | 1.8 | 1.16 | 11.43 | 0.78 | 5.35 | -0.39 | 0.79 | -1.06 | 6.77 |

| | | | | | | | | | | | | | | |
|--------------|-----------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ILMN_1812616 | MYO1C | NM_033375.4 | 0.25 | 0.43 | -0.8 | 4.04 | 1.19 | 11.91 | 0.89 | 6.88 | -0.3 | 0.43 | -1.05 | 5.37 |
| ILMN_1809613 | NGEF | NM_019850.1 | 0.94 | 6.99 | -0.54 | 2.82 | 1.94 | 25.09 | 1.18 | 11.23 | -0.76 | 3.81 | -1.47 | 11.97 |
| ILMN_1772286 | OCIAD2 | NM_152398.2 | 1.22 | 14.39 | -0.4 | 2.73 | 1.22 | 19.34 | 0.62 | 6.02 | -0.59 | 4.12 | -1.62 | 18.26 |
| ILMN_1742025 | OLFM1 | NM_014279.4 | 1.32 | 14.45 | -0.02 | 0.03 | 1.05 | 11.56 | 0.38 | 1.61 | -0.67 | 3.67 | -1.35 | 13.67 |
| ILMN_1701195 | PLA2G7 | NM_005084.2 | 1.73 | 18.43 | 0.68 | 5.51 | 1.57 | 17.57 | 0.62 | 3.22 | -0.95 | 5.67 | -1.05 | 9.26 |
| ILMN_2374340 | PLAUR | NM_001005376.1 | 0.13 | 0.15 | -0.97 | 5.83 | 1.29 | 10.94 | 0.88 | 5.27 | -0.41 | 0.68 | -1.1 | 6.12 |
| ILMN_1744268 | PLEC1 | NM_000445.2 | 0.66 | 3 | -0.47 | 1.65 | 1.08 | 9.51 | 0.34 | 0.95 | -0.74 | 3.35 | -1.13 | 6.49 |
| ILMN_1791569 | PLXNA1 | NM_032242.2 | 1.39 | 11.14 | 0.17 | 0.29 | 1.32 | 16.44 | 0.84 | 7.34 | -0.48 | 1.71 | -1.22 | 8.47 |
| ILMN_2337058 | PORCN | NM_022825.2 | 1.01 | 5.54 | -0.34 | 0.76 | 1.39 | 12.25 | 0.77 | 4.02 | -0.62 | 1.81 | -1.34 | 7.71 |
| ILMN_2179652 | PRELID1 | NM_013237.2 | 0.27 | 0.96 | -0.83 | 7.2 | 1.52 | 20.79 | 0.73 | 5.88 | -0.79 | 5.19 | -1.11 | 9.62 |
| ILMN_1692938 | PSAT1 | NM_021154.3 | 2.35 | 19.62 | 0.67 | 3.53 | 2.87 | 39.36 | 2.37 | 30.93 | -0.49 | 1.32 | -1.69 | 12.63 |
| ILMN_1725791 | PTPLA | NM_014241.3 | 1.52 | 13.93 | 0.23 | 0.6 | 1.42 | 21.14 | 1.04 | 12.63 | -0.38 | 1.18 | -1.29 | 10.37 |
| ILMN_1677305 | PVR | NM_006505.2 | -0.25 | 0.51 | -1.08 | 7.46 | 1.02 | 7.44 | 0.58 | 2.4 | -0.44 | 0.83 | -0.83 | 4.15 |
| ILMN_2219131 | RPS15 | NM_001018.3 | 0.28 | 1.12 | -0.73 | 6.33 | 2.33 | 26.62 | 1.6 | 14.82 | -0.73 | 2.57 | -1.02 | 9.07 |
| ILMN_1801504 | RUNX1 | NM_001754.3 | 0.43 | 2.7 | -0.73 | 6.62 | 2 | 26.6 | 1.25 | 12.7 | -0.75 | 3.75 | -1.16 | 11.44 |
| ILMN_2183409 | SRXB1 | NM_005505.3 | -1.06 | 8.55 | -0.93 | 7.21 | 1.33 | 14.81 | 0.58 | 3.22 | -0.74 | 3.86 | 0.13 | 0.09 |
| ILMN_1696133 | SELI | NM_033505.2 | -0.41 | 1.18 | -1.02 | 6.26 | 1.32 | 15.6 | 0.96 | 8.83 | -0.36 | 0.78 | -0.61 | 2.04 |
| ILMN_1718960 | SERPINB8 | NM_198833.1 | 0.55 | 2.53 | -1.35 | 10.84 | 1.05 | 10.67 | 0.08 | 0.1 | -0.97 | 7.1 | -1.9 | 15.03 |
| ILMN_1720513 | SETBP1 | NM_015559.1 | 1.09 | 11.18 | -0.86 | 8.18 | 1.45 | 25.89 | 0.82 | 10.3 | -0.63 | 5.01 | -1.94 | 19.92 |
| ILMN_1806607 | SFN | NM_006142.3 | 1.18 | 10.77 | -0.56 | 3.53 | 1.51 | 21.74 | 0.72 | 6.1 | -0.79 | 5.63 | -1.74 | 16 |
| ILMN_1810782 | SH3KBP1 | NM_031892.1 | 2.14 | 22.79 | 0.34 | 1.68 | 1.77 | 28.18 | 1.02 | 11.96 | -0.75 | 5.33 | -1.79 | 18.16 |
| ILMN_1808501 | SH3KBP1 | NM_031892.1 | 1.89 | 15.37 | 0.44 | 1.6 | 1.68 | 22.87 | 1.03 | 10.26 | -0.65 | 3.18 | -1.45 | 10.18 |
| ILMN_1655229 | SLC7A11 | NM_014331.3 | 1.32 | 8.26 | -0.55 | 1.97 | 1.24 | 9.78 | 0.51 | 1.71 | -0.73 | 2.51 | -1.87 | 12.14 |
| ILMN_1775380 | SMOX | NM_175842.1 | 1.54 | 19.57 | 0.49 | 4.29 | 1.61 | 19.19 | 2.21 | 29.48 | 0.6 | 2.29 | -1.05 | 11.79 |
| ILMN_2367258 | SMOX | NM_175840.1 | 2.2 | 20.35 | 0.92 | 7.15 | 2.61 | 30.11 | 3.14 | 37.28 | 0.53 | 1.15 | -1.28 | 10.07 |
| ILMN_2357134 | SPHK1 | NM_021972.2 | 0.4 | 1.78 | -1.84 | 18.02 | 1.2 | 10.78 | 0.35 | 0.94 | -0.85 | 4.24 | -2.24 | 20.29 |
| ILMN_1804822 | SRXN1 | NM_080725.1 | 0.22 | 0.47 | -0.9 | 6.62 | 1.03 | 9.57 | 0.48 | 2.16 | -0.55 | 1.93 | -1.11 | 8.02 |
| ILMN_1713496 | ST3GALS5 | NM_001042437.1 | 2.06 | 23.9 | -0.17 | 0.52 | 1 | 10.56 | 0.06 | 0.07 | -0.94 | 7.32 | -2.23 | 24.3 |
| ILMN_2350183 | ST5 | NM_139157.2 | 1.03 | 7.4 | 0.02 | 0.02 | 1.24 | 9.08 | 1.15 | 7.6 | -0.1 | 0.03 | -1.01 | 6.34 |
| ILMN_1805175 | TGFA | NM_001099691.1 | 0.87 | 3.56 | -0.24 | 0.34 | 1.13 | 8.81 | 0.32 | 0.7 | -0.81 | 3.36 | -1.11 | 4.69 |
| ILMN_1711566 | TIMP1 | NM_003254.2 | 1.11 | 11.11 | 0.07 | 0.1 | 1.14 | 17.13 | 0.72 | 7.65 | -0.42 | 1.85 | -1.04 | 9.3 |
| ILMN_1725387 | TMEM200A | NM_052913.2 | 1.58 | 8.92 | 0.48 | 1.18 | 1.17 | 9.02 | 0.22 | 0.33 | -0.95 | 4.55 | -1.1 | 4.42 |
| ILMN_1719759 | TNC | NM_002160.2 | 1.34 | 7.59 | -0.4 | 0.93 | 1.34 | 11.43 | 0.88 | 5.19 | -0.46 | 0.85 | -1.74 | 10.02 |
| ILMN_1787815 | TRIB3 | NM_021158.3 | 1.9 | 20.22 | 0.38 | 1.98 | 2.34 | 25.55 | 1.66 | 14.86 | -0.68 | 2.01 | -1.52 | 14.98 |
| ILMN_1712708 | TRIM47 | NM_033452.2 | 0.01 | 0.01 | -1.19 | 7.89 | 1.35 | 10.19 | 0.86 | 4.26 | -0.5 | 0.85 | -1.19 | 6.95 |
| ILMN_1718607 | TSPAN4 | NM_001025235.1 | -1.56 | 17.99 | -2.14 | 24.31 | 1.08 | 10.44 | 0.7 | 4.57 | -0.38 | 0.8 | -0.58 | 4.04 |
| ILMN_2340027 | TSPAN4 | NM_001025238.1 | -0.73 | 4.09 | -1.11 | 8.17 | 1.08 | 6.45 | 0.83 | 3.8 | -0.24 | 0.15 | -0.39 | 0.88 |
| ILMN_2403965 | TXNDC5 | NM_022085.3 | 1 | 7.96 | -0.3 | 0.95 | 1.48 | 18.96 | 0.85 | 7.23 | -0.63 | 3.01 | -1.29 | 10.41 |
| ILMN_1794781 | VAV2 | NM_003371.2 | 0.14 | 0.17 | -1 | 6.41 | 1.21 | 12.35 | 0.44 | 1.73 | -0.78 | 4.03 | -1.14 | 6.76 |
| ILMN_2365465 | XBP1 | NM_001079539.1 | 2.07 | 21.42 | 0.35 | 1.65 | 1.94 | 25.6 | 1.17 | 11.31 | -0.77 | 4.08 | -1.72 | 16.67 |
| ILMN_1809433 | XBP1 | NM_005080.2 | 2.56 | 22.35 | 0.88 | 6.17 | 2.36 | 35.62 | 1.58 | 20.45 | -0.78 | 4.68 | -1.68 | 13.44 |
| ILMN_1712632 | XDH | NM_000379.3 | 1.53 | 10.69 | 0.44 | 1.38 | 2.33 | 30.38 | 1.6 | 17.26 | -0.74 | 3.26 | -1.08 | 5.76 |
| ILMN_1651365 | ZBED2 | NM_024508.3 | 1.5 | 13.78 | -0.25 | 0.71 | 1.03 | 12.75 | 0.27 | 0.92 | -0.76 | 5.66 | -1.76 | 15.29 |
| ILMN_1706531 | ABCC5 | NM_005688.2 | -0.81 | 6.9 | 0.33 | 1.45 | -1.03 | 9.67 | -0.47 | 2.08 | 0.56 | 2.06 | 1.14 | 10.2 |
| ILMN_1651964 | ABCC5 | NM_001023587.1 | -0.91 | 8.62 | 0.17 | 0.45 | -1.75 | 19.33 | -1.12 | 9.02 | 0.63 | 2.1 | 1.08 | 9.99 |
| ILMN_1731433 | ABP1 | NM_001091.2 | -0.12 | 0.15 | 1.58 | 12.35 | -1.71 | 8.04 | -0.77 | 1.61 | 0.95 | 1.67 | 1.7 | 12.32 |
| ILMN_2311278 | ADD3 | NM_001121.2 | 0.98 | 5 | 2.45 | 17.39 | -1 | 3.62 | -0.21 | 0.18 | 0.79 | 1.38 | 1.47 | 8.3 |
| ILMN_2363634 | ADHFE1 | NM_001077593.1 | -0.31 | 1.21 | 0.74 | 6.03 | -1.05 | 8.78 | -0.26 | 0.54 | 0.79 | 3.69 | 1.05 | 8.92 |
| ILMN_1794875 | AGPAT9 | NM_032717.3 | 1.65 | 10.91 | 1.28 | 7.84 | 2.91 | 23.54 | 1.87 | 11.39 | -1.05 | 2.86 | -0.37 | 0.52 |
| ILMN_1784292 | ANKMY2 | NM_020319.1 | 0.73 | 7.35 | 1.31 | 15.9 | -1.01 | 8.75 | -0.38 | 1.26 | 0.63 | 2.45 | 0.58 | 4.39 |
| ILMN_1810229 | ARID4A | NM_023001.2 | 0.73 | 2.64 | 1.05 | 5.06 | -1.01 | 8.21 | -0.95 | 7.03 | 0.06 | 0.02 | 0.31 | 0.29 |
| ILMN_2376771 | ATR | NM_001184.2 | -0.32 | 1.14 | 0.82 | 6.45 | -1.39 | 9.29 | -0.72 | 2.61 | 0.66 | 1.44 | 1.14 | 9.21 |
| ILMN_1814686 | BCMO1 | NM_017429.2 | -0.01 | 0.01 | 1.16 | 13.2 | -1.68 | 19.61 | -0.69 | 4.07 | 0.98 | 6.15 | 1.17 | 12.15 |
| ILMN_1695354 | BMF | NM_033503.3 | -2.45 | 16.87 | -1.25 | 7.18 | -1.79 | 13.42 | -0.83 | 3.22 | 0.96 | 3.05 | 1.2 | 5.85 |
| ILMN_2308338 | BMF | NM_001003943.1 | -2.26 | 16.34 | -1.1 | 6.41 | -1.84 | 16.97 | -1 | 5.66 | 0.85 | 3.03 | 1.16 | 6.02 |
| ILMN_1767642 | C11orf46 | NM_152316.1 | 0.21 | 0.26 | 1.05 | 5.21 | -1.23 | 6.49 | -0.71 | 2.13 | 0.52 | 0.65 | 0.84 | 2.87 |
| ILMN_1658494 | C13orf15 | NM_014059.2 | 2.03 | 23.29 | 1.22 | 13.97 | 1.76 | 21.44 | 0.45 | 1.73 | -1.31 | 10.94 | -0.82 | 7.28 |
| ILMN_1713744 | C14orf132 | NM_020215.2 | 0.94 | 8.99 | 1.42 | 15.32 | -1.2 | 9.85 | -0.66 | 3.13 | 0.54 | 1.33 | 0.48 | 2.46 |
| ILMN_1728742 | C5orf4 | NM_032385.3 | 0.18 | 0.5 | 1.11 | 12.42 | -1.04 | 8.72 | -0.11 | 0.12 | 0.93 | 5.35 | 0.94 | 8.87 |
| ILMN_1771746 | C6orf165 | NM_001031743.1 | -0.97 | 5.55 | 0.04 | 0.03 | -1.56 | 16.74 | -1.26 | 11.39 | 0.3 | 0.37 | 1.01 | 5.16 |
| ILMN_1798659 | CDC28A | NM_015439.2 | -0.67 | 4.71 | 0.37 | 1.62 | -1.27 | 17.38 | -0.6 | 4.55 | 0.67 | 4.17 | 1.04 | 8.28 |
| ILMN_1652777 | CDC42EP2 | NM_006779.2 | 1.28 | 11.89 | 0.29 | 0.99 | 1.96 | 22.53 | 0.95 | 6.59 | -1.01 | 5.71 | -1 | 7.56 |
| ILMN_1663092 | CITED2 | NM_006079.3 | -0.51 | 1.02 | 1.02 | 3.75 | -1.93 | 21.82 | -1.25 | 10.7 | 0.67 | 2.39 | 1.53 | 6.3 |
| ILMN_1724686 | CLDN1 | NM_021101.3 | 0.81 | 3.52 | 2.17 | 14.98 | -1.37 | 10.7 | -0.92 | 4.99 | 0.45 | 0.71 | 1.36 | 7.18 |
| ILMN_1789733 | CLIP3 | NM_015526.1 | -0.44 | 2.44 | 0.59 | 4.24 | -1.31 | 11.73 | -0.35 | 0.9 | 0.95 | 4.99 | 1.03 | 8.83 |
| ILMN_1693090 | CROT | NM_021151.2 | -0.86 | 4.3 | 0.45 | 1.34 | -1.5 | 12.34 | -0.8 | 3.83 | 0.69 | 1.97 | 1.3 | 7.44 |

| | | | | | | | | | | | | | | |
|--------------|-----------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ILMN_1796925 | CXADR | NM_001338.3 | 0.32 | 0.8 | 1.08 | 7.49 | -1.1 | 10.87 | -0.8 | 5.92 | 0.3 | 0.45 | 0.77 | 3.57 |
| ILMN_1791847 | DAPK2 | NM_014326.3 | -1.06 | 5.27 | 0.13 | 0.13 | -1.45 | 8.58 | -0.82 | 2.78 | 0.64 | 1.03 | 1.19 | 5.56 |
| ILMN_1752478 | DHRS3 | NM_004753.4 | -1.61 | 15.18 | 0.12 | 0.2 | -1.49 | 14.92 | -0.54 | 2.22 | 0.95 | 5.1 | 1.73 | 15.29 |
| ILMN_1788931 | DOCK8 | NM_203447.1 | -0.08 | 0.14 | 1.03 | 12.05 | -1.8 | 20.82 | -1.02 | 7.97 | 0.78 | 3.53 | 1.11 | 12.02 |
| ILMN_1812799 | DSG4 | NM_177986.2 | 0.83 | 4.01 | 1.91 | 13.73 | -1.23 | 6.69 | -0.53 | 1.23 | 0.7 | 1.38 | 1.08 | 5.39 |
| ILMN_2394276 | DST | NM_183380.1 | 0.11 | 0.07 | 1.33 | 5.37 | -1.49 | 6.91 | -0.81 | 2.02 | 0.68 | 0.86 | 1.22 | 3.87 |
| ILMN_1759175 | DUSP10 | NM_007207.3 | -0.37 | 2.02 | 1.35 | 15.15 | -1.04 | 7.76 | -0.15 | 0.17 | 0.9 | 4.27 | 1.72 | 18.17 |
| ILMN_2371055 | EFNA1 | NM_004428.2 | -0.87 | 5.48 | 0.21 | 0.4 | -1.45 | 18.72 | -0.5 | 2.68 | 0.95 | 7.21 | 1.07 | 6.8 |
| ILMN_1651699 | EPS8 | NM_004447.4 | -1.29 | 2.64 | 0.4 | 0.3 | -2.46 | 24.76 | -2.16 | 20.05 | 0.3 | 0.23 | 1.69 | 3.6 |
| ILMN_1737993 | ERBB3 | NM_001005915.1 | -0.75 | 3.99 | 0.25 | 0.53 | -1.31 | 10.26 | -0.61 | 2.34 | 0.7 | 2.12 | 1 | 5.63 |
| ILMN_2410038 | FAM111A | NM_022074.2 | -1.11 | 10.79 | 0.22 | 0.65 | -1.33 | 20.65 | -0.69 | 6.71 | 0.64 | 4.38 | 1.33 | 12.48 |
| ILMN_1778845 | FAM111A | NM_022074.2 | -0.66 | 2.43 | 0.46 | 1.29 | -1.09 | 8.72 | -0.49 | 1.8 | 0.6 | 1.83 | 1.12 | 5.34 |
| ILMN_1772686 | FGD3 | NM_033086.2 | -1.29 | 9.14 | 0.55 | 2.3 | -3.22 | 36.41 | -2.25 | 22.28 | 0.97 | 4.04 | 1.85 | 13.34 |
| ILMN_1811181 | FLJ20444 | XM_933028.2 | -0.36 | 1.14 | 0.75 | 4.52 | -1.38 | 9.07 | -0.61 | 1.81 | 0.77 | 2 | 1.1 | 7.28 |
| ILMN_2387471 | FLJ22184 | NM_001080403.1 | -0.63 | 3.28 | 0.38 | 1.34 | -1.04 | 10.83 | -0.29 | 0.87 | 0.75 | 4.39 | 1.01 | 6.36 |
| ILMN_1669523 | FOS | NM_005252.2 | 1.02 | 6.84 | 0.58 | 2.66 | 0.9 | 7.45 | -0.43 | 1.68 | -1.32 | 11.71 | -0.45 | 1.2 |
| ILMN_1712095 | FOXO4 | NM_005938.2 | -1.41 | 9.43 | -0.41 | 1.17 | -1.27 | 6.81 | -0.43 | 0.76 | 0.84 | 2.03 | 1 | 4.92 |
| ILMN_2376050 | FXYP3 | NM_005971.2 | -1.39 | 3.18 | 0.14 | 0.07 | -1.93 | 11.64 | -1.19 | 4.7 | 0.74 | 1.15 | 1.54 | 3.17 |
| ILMN_1735157 | GALNT12 | NM_024642.3 | -0.39 | 2.8 | 1.49 | 19.27 | -1.15 | 14.18 | -0.45 | 2.44 | 0.7 | 4.32 | 1.88 | 22.37 |
| ILMN_1733847 | GALR2 | NM_003857.2 | -0.46 | 1.51 | 0.71 | 3.51 | -1.04 | 6.95 | -0.25 | 0.4 | 0.79 | 2.85 | 1.16 | 6.81 |
| ILMN_2406656 | GATA3 | NM_002051.2 | -0.8 | 5.87 | 0.2 | 0.49 | -1.04 | 7.21 | -0.45 | 1.32 | 0.59 | 1.54 | 1.01 | 7.41 |
| ILMN_1694106 | GPD1L | NM_015141.2 | -0.86 | 5.32 | 0.63 | 3.25 | -1.25 | 16.58 | -0.59 | 4.25 | 0.66 | 3.95 | 1.49 | 10.87 |
| ILMN_2407389 | GPNMB | NM_002510.2 | -0.09 | 0.11 | 1.15 | 8.72 | -1.33 | 9.36 | -0.42 | 0.94 | 0.91 | 3.27 | 1.24 | 8.65 |
| ILMN_1787648 | GPR125 | XM_944791.1 | -0.83 | 3.96 | 0.82 | 4.03 | -1.08 | 3.7 | -0.2 | 0.14 | 0.88 | 1.56 | 1.65 | 10.3 |
| ILMN_1740762 | GRB7 | NM_005310.2 | -0.57 | 2.54 | 0.65 | 3.3 | -1.53 | 12.87 | -0.75 | 3.38 | 0.78 | 2.61 | 1.21 | 7.95 |
| ILMN_1782141 | GRHL3 | NM_021180.2 | -0.58 | 0.9 | 0.71 | 1.36 | -1.24 | 8.51 | -0.56 | 1.76 | 0.68 | 1.76 | 1.29 | 3.35 |
| ILMN_1802690 | GULP1 | NM_016315.2 | -0.34 | 0.91 | 0.77 | 4.17 | -1.35 | 9.62 | -1.31 | 8.81 | 0.04 | 0.01 | 1.11 | 6.54 |
| ILMN_2115340 | HIST2H4A | NM_003548.2 | -1.75 | 21.39 | -0.43 | 3.28 | -1.71 | 19.86 | -0.81 | 5.42 | 0.9 | 4.99 | 1.32 | 14.94 |
| ILMN_1779648 | HIST3H2A | NM_033445.2 | -1.39 | 13.94 | 0.25 | 0.81 | -1.6 | 16.77 | -0.99 | 7.26 | 0.6 | 1.9 | 1.64 | 15.61 |
| ILMN_2107068 | HOXA2 | NM_006735.3 | -0.76 | 3.2 | 0.64 | 2.44 | -1.07 | 10.99 | -0.41 | 1.74 | 0.66 | 3.17 | 1.4 | 7.74 |
| ILMN_1840316 | | | -0.69 | 4.19 | 0.89 | 6.52 | -1.65 | 19.78 | -0.93 | 7.33 | 0.72 | 3.37 | 1.58 | 12.92 |
| ILMN_1879480 | | | 0.69 | 3.77 | 1.58 | 12.97 | -1.33 | 11.22 | -0.51 | 1.72 | 0.83 | 3.33 | 0.88 | 4.89 |
| ILMN_1878029 | | | -0.09 | 0.17 | 1.02 | 11.61 | -1.19 | 11.48 | -0.22 | 0.4 | 0.97 | 6.12 | 1.11 | 11.72 |
| ILMN_1827736 | | | -0.52 | 2.44 | 0.52 | 2.56 | -1.38 | 13.69 | -0.84 | 5.44 | 0.55 | 1.57 | 1.04 | 6.98 |
| ILMN_1875342 | | | 1.22 | 1.6 | 1.6 | 2.73 | -1.55 | 3.27 | -1.48 | 2.84 | 0.07 | 0.01 | 0.38 | 0.08 |
| ILMN_1816174 | | | -0.47 | 1.66 | 0.66 | 3.16 | -1.51 | 16.92 | -1.28 | 12.64 | 0.22 | 0.2 | 1.13 | 6.66 |
| ILMN_1867188 | | | -0.91 | 9.74 | 0.09 | 0.18 | -1.28 | 15.28 | -0.43 | 1.91 | 0.86 | 5.77 | 1 | 10.12 |
| ILMN_1838767 | | | -0.29 | 0.89 | 1.87 | 17.51 | -1.12 | 10.88 | -0.17 | 0.28 | 0.95 | 6.14 | 2.16 | 18.85 |
| ILMN_1888988 | | | -1.08 | 7.07 | 0.14 | 0.19 | -1.14 | 7.88 | -0.77 | 3.61 | 0.37 | 0.44 | 1.22 | 7.6 |
| ILMN_1861376 | | | 0.48 | 2 | 1.43 | 11.85 | -1.01 | 4.5 | -0.41 | 0.7 | 0.59 | 0.91 | 0.95 | 5.81 |
| ILMN_1739428 | IFIT2 | NM_001547.4 | 0.06 | 0.05 | 1.96 | 16.86 | -1.2 | 9.75 | -0.5 | 1.77 | 0.7 | 2.43 | 1.9 | 15.07 |
| ILMN_2043079 | ILDR1 | NM_175924.2 | -1.3 | 8.76 | 0.67 | 3.11 | -1.27 | 11.41 | -0.5 | 1.88 | 0.77 | 3.25 | 1.97 | 13.88 |
| ILMN_1676629 | INSIG2 | NM_016133.2 | 0.56 | 1.97 | 1.09 | 6.41 | -1.49 | 8.04 | -1.44 | 7.32 | 0.05 | 0.01 | 0.53 | 1.33 |
| ILMN_1759232 | IRS1 | NM_005544.1 | 1.07 | 11.87 | 0.23 | 0.86 | 2.2 | 27.27 | 0.72 | 4.02 | -1.49 | 12.38 | -0.85 | 7.76 |
| ILMN_1747934 | ISYNA1 | NM_016368.3 | -0.45 | 3.18 | 0.67 | 6.26 | -1.29 | 11.44 | -0.74 | 3.99 | 0.55 | 1.47 | 1.13 | 11.64 |
| ILMN_1742332 | KCTD12 | NM_138444.3 | 1.11 | 2.59 | 0.93 | 1.93 | -0.87 | 2.68 | -1.18 | 4.64 | -0.31 | 0.15 | -0.18 | 0.04 |
| ILMN_1677347 | KIAA0774 | NM_015233.5 | 0.52 | 2.25 | 1.42 | 11.36 | -1.42 | 9.46 | -0.52 | 1.3 | 0.9 | 2.81 | 0.9 | 5.04 |
| ILMN_2102960 | KIAA1370 | NM_019600.1 | -1.29 | 3.37 | 0.04 | 0.02 | -2.77 | 27.39 | -1.96 | 16.07 | 0.81 | 2.31 | 1.33 | 2.96 |
| ILMN_1701918 | KLHDC9 | NM_001007256.1 | -0.96 | 6.68 | 0.09 | 0.12 | -1.08 | 9.89 | -0.25 | 0.54 | 0.83 | 4.52 | 1.05 | 6.85 |
| ILMN_1770612 | KRT15 | NM_002275.2 | -0.72 | 3.46 | 2.02 | 15.73 | -1.08 | 11.99 | -0.19 | 0.4 | 0.89 | 6.52 | 2.74 | 19.88 |
| ILMN_1754149 | LETMD1 | NM_001024668.1 | -0.22 | 0.43 | 0.85 | 5.6 | -1.05 | 9.15 | -0.36 | 1.1 | 0.69 | 2.9 | 1.07 | 6.89 |
| ILMN_2139761 | LIMCH1 | NM_014988.1 | -0.05 | 0.05 | 1.05 | 7.9 | -1.06 | 7.5 | -0.34 | 0.75 | 0.72 | 2.46 | 1.1 | 7.4 |
| ILMN_1662917 | LMO1 | NM_002315.1 | -1.91 | 12.73 | -0.19 | 0.25 | -1.08 | 4.69 | -0.19 | 0.16 | 0.9 | 2.15 | 1.72 | 10.14 |
| ILMN_2131293 | LOC200810 | NM_001015050.1 | -1.25 | 14.5 | -0.15 | 0.41 | -1.6 | 23.37 | -1.01 | 11.12 | 0.58 | 2.92 | 1.1 | 11.4 |
| ILMN_1740571 | LOC647859 | XM_001130815.1 | 0.29 | 1.19 | 1.52 | 16.39 | -1.04 | 9.89 | -0.28 | 0.72 | 0.76 | 4.06 | 1.22 | 11.62 |
| ILMN_1698685 | MATN2 | NM_002380.3 | -0.57 | 2.31 | 0.45 | 1.54 | -1.08 | 10.94 | -0.71 | 4.99 | 0.37 | 0.79 | 1.02 | 5.55 |
| ILMN_1775016 | MPZL2 | NM_144765.1 | -0.9 | 10.68 | 0.49 | 4.39 | -1.2 | 15.84 | -0.41 | 2.14 | 0.79 | 5.83 | 1.39 | 16.66 |
| ILMN_2387078 | MPZL2 | NM_144765.1 | -0.85 | 2.4 | 0.25 | 0.26 | -1.16 | 9.09 | -0.54 | 2.03 | 0.62 | 1.81 | 1.1 | 3.23 |
| ILMN_1656111 | MYLIP | NM_013262.3 | -1.31 | 15.06 | 0.41 | 2.67 | -2.05 | 21.7 | -1.13 | 7.94 | 0.92 | 4.08 | 1.71 | 18.75 |
| ILMN_2051373 | NEK2 | NM_002497.2 | -1.29 | 4.29 | -0.27 | 0.25 | -1.16 | 10.14 | -0.82 | 5.2 | 0.34 | 0.49 | 1.02 | 2.3 |
| ILMN_1773154 | NFKBIA | NM_020529.1 | -0.56 | 1.92 | 0.56 | 1.97 | -1.53 | 15.69 | -0.83 | 5.19 | 0.7 | 2.69 | 1.13 | 5.63 |
| ILMN_1729161 | NOTCH1 | NM_017617.3 | -0.91 | 7.79 | 1.04 | 9.67 | -1.25 | 16.64 | -0.39 | 1.86 | 0.86 | 6.84 | 1.95 | 18.58 |
| ILMN_2149494 | NPL | NM_030769.1 | -0.27 | 0.66 | 1.11 | 8.35 | -1.02 | 8.14 | -0.35 | 0.96 | 0.67 | 2.51 | 1.38 | 10.12 |
| ILMN_2339955 | NR4A2 | NM_006186.2 | -0.84 | 2.3 | 0.16 | 0.13 | -1.07 | 9.53 | -0.55 | 2.66 | 0.51 | 1.51 | 1 | 2.61 |
| ILMN_1782305 | NR4A2 | NM_006186.2 | -1.26 | 8.6 | 0.21 | 0.37 | -1.45 | 14.89 | -0.55 | 2.42 | 0.9 | 4.84 | 1.47 | 9.73 |
| ILMN_1720865 | OSBPL7 | NM_145798.2 | -1.23 | 6.59 | 0.55 | 1.65 | -1.63 | 20.26 | -0.72 | 4.81 | 0.91 | 5.81 | 1.78 | 10.18 |

| | | | | | | | | | | | | | | |
|--------------|-----------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| ILMN_1710495 | PAPLN | NM_173462.3 | -0.46 | 1.66 | 0.85 | 5.04 | -1.55 | 14.87 | -0.58 | 2.35 | 0.97 | 4.91 | 1.31 | 8.62 |
| ILMN_1731224 | PARP9 | NM_031458.1 | -0.15 | 0.1 | 1.22 | 4.09 | -1.29 | 8.1 | -0.66 | 2.12 | 0.63 | 1.27 | 1.37 | 4.17 |
| ILMN_1767934 | PCSK5 | NM_006200.2 | -1.1 | 10.03 | 0.09 | 0.15 | -1.04 | 10.4 | -0.5 | 2.51 | 0.54 | 2.04 | 1.19 | 10.24 |
| ILMN_1798841 | PLCXD3 | NM_001005473.1 | -0.32 | 0.69 | 1.32 | 8.72 | -1.9 | 18.93 | -1.34 | 10.39 | 0.56 | 1.29 | 1.65 | 10.54 |
| ILMN_2360202 | PPP2R2B | NM_181676.1 | -0.33 | 1.33 | 0.78 | 6.22 | -1.46 | 16.04 | -0.8 | 5.47 | 0.66 | 2.67 | 1.11 | 9.3 |
| ILMN_1660732 | PPP2R2B | NM_181676.1 | -0.24 | 0.55 | 1 | 7.53 | -1.41 | 18.87 | -0.75 | 6.28 | 0.66 | 3.63 | 1.24 | 9.08 |
| ILMN_1801105 | PRKCD | NM_006254.3 | -0.66 | 4.83 | 0.78 | 6.4 | -1.37 | 12.6 | -0.64 | 3.03 | 0.73 | 2.77 | 1.44 | 13.43 |
| ILMN_2374683 | PTPN13 | NM_080684.1 | 0.23 | 0.32 | 1.16 | 6.36 | -1.28 | 6.04 | -0.81 | 2.35 | 0.48 | 0.42 | 0.93 | 3.68 |
| ILMN_1771688 | RAB7B | NM_177403.3 | 2.01 | 19.6 | 1.22 | 11.32 | 2.33 | 31.23 | 0.79 | 5.31 | -1.54 | 14.2 | -0.78 | 5.11 |
| ILMN_2210601 | RNASEL | NM_021133.2 | -0.58 | 2.42 | 0.43 | 1.4 | -1.62 | 21.24 | -0.92 | 8.13 | 0.7 | 3.66 | 1.01 | 5.48 |
| ILMN_1808768 | ROCK1 | NM_005406.2 | 1.16 | 5.13 | 1 | 4.1 | -0.77 | 2.85 | -1.04 | 4.85 | -0.27 | 0.15 | -0.16 | 0.06 |
| ILMN_2185984 | SASH1 | NM_015278.3 | 0.09 | 0.1 | 1.1 | 8.52 | -1.16 | 9.97 | -0.48 | 1.75 | 0.69 | 2.57 | 1.01 | 6.59 |
| ILMN_1654966 | SCARA3 | NM_182826.1 | -1.09 | 3.41 | 0.13 | 0.09 | -1.53 | 16.27 | -0.74 | 4.43 | 0.78 | 3.59 | 1.22 | 3.52 |
| ILMN_1710325 | SCEL | NM_144777.1 | 0.22 | 0.46 | 2 | 17.64 | -2.47 | 20.58 | -1.59 | 9.83 | 0.88 | 2.25 | 1.78 | 14.31 |
| ILMN_2388190 | SCEL | NM_003843.2 | 0.38 | 1.12 | 2.26 | 18.41 | -2.03 | 17.87 | -1.31 | 8.33 | 0.72 | 1.82 | 1.88 | 13.92 |
| ILMN_2317493 | SEMA6D | NM_024966.2 | -0.44 | 1.96 | 0.63 | 3.82 | -1.65 | 14.02 | -1.1 | 6.64 | 0.56 | 1.1 | 1.07 | 7.78 |
| ILMN_1806407 | SEMA6D | NM_024966.2 | -0.29 | 0.6 | 0.97 | 5.75 | -1.56 | 12.68 | -1 | 5.56 | 0.56 | 1.11 | 1.25 | 7.48 |
| ILMN_1769759 | SERPINB13 | NM_012397.2 | -1.24 | 9.38 | 0.53 | 2.37 | -1.2 | 15.15 | -0.63 | 4.77 | 0.56 | 2.72 | 1.77 | 13.64 |
| ILMN_2376263 | SMARCA1 | NM_003069.2 | 0.81 | 5.85 | 1.25 | 11.22 | -1.34 | 16.64 | -0.93 | 8.82 | 0.4 | 1.1 | 0.45 | 1.61 |
| ILMN_1796349 | SMPDL3A | NM_006714.2 | -0.33 | 0.65 | 0.79 | 3.52 | -1.32 | 9.96 | -0.88 | 4.53 | 0.44 | 0.67 | 1.11 | 5.36 |
| ILMN_2200659 | SNHG5 | NR_003038.1 | 0.82 | 1.48 | 1.12 | 2.76 | -1.1 | 2.51 | -0.63 | 0.76 | 0.46 | 0.19 | 0.3 | 0.1 |
| ILMN_1892403 | SNORD13 | NR_003041.1 | 0.56 | 1.2 | 1.6 | 7.67 | -1.69 | 9.19 | -1.25 | 5.1 | 0.44 | 0.31 | 1.04 | 3.11 |
| ILMN_1652409 | SPATA7 | NM_001040428.2 | 0.2 | 0.36 | 1.51 | 12.29 | -1.28 | 9.59 | -0.52 | 1.59 | 0.77 | 2.53 | 1.31 | 9.17 |
| ILMN_1775486 | SSPN | NM_005086.3 | -0.53 | 2.63 | 1.44 | 12.64 | -1.14 | 8.39 | -0.44 | 1.25 | 0.7 | 2.25 | 1.97 | 16.64 |
| ILMN_2336609 | SYTL2 | NM_206929.1 | -0.55 | 1.44 | 1.48 | 8.15 | -1.59 | 11.59 | -0.65 | 2.05 | 0.95 | 3.17 | 2.03 | 11.26 |
| ILMN_1681248 | TCHH | NM_007113.2 | -0.68 | 2.18 | 0.32 | 0.54 | -1.06 | 9.35 | -1.06 | 8.97 | 0 | 0 | 1 | 3.71 |
| ILMN_1701461 | TIMP3 | NM_000362.4 | -0.02 | 0.01 | 1.64 | 7.24 | -1.05 | 3.26 | -0.18 | 0.12 | 0.88 | 1.39 | 1.66 | 6.39 |
| ILMN_1758250 | TRAFFD1 | NM_006700.1 | -1 | 6.23 | 0.03 | 0.03 | -1.19 | 9.16 | -0.34 | 0.76 | 0.85 | 3.48 | 1.03 | 5.78 |
| ILMN_1745079 | TRIM2 | NM_015271.2 | 0.6 | 0.96 | 1.63 | 6.06 | -1.18 | 9.79 | -0.62 | 2.8 | 0.56 | 1.53 | 1.03 | 2.18 |
| ILMN_1697971 | TRIM38 | NM_006355.2 | -0.18 | 0.19 | 0.83 | 3.43 | -1.2 | 7.12 | -0.22 | 0.25 | 0.98 | 3.43 | 1 | 3.97 |
| ILMN_1656910 | TRIM6 | NM_058166.3 | -1.19 | 10.3 | 0.83 | 6.2 | -1.5 | 17.64 | -0.9 | 7.12 | 0.61 | 2.4 | 2.02 | 17.86 |
| ILMN_2101885 | TUBB | NM_178014.2 | 1.16 | 14.12 | 0.32 | 1.91 | 0.93 | 10.21 | -0.07 | 0.08 | -1 | 9.07 | -0.84 | 8.45 |
| ILMN_2399463 | VAV3 | NM_006113.4 | -1.03 | 4.94 | 0.15 | 0.16 | -2.2 | 23.72 | -1.63 | 14.56 | 0.58 | 1.38 | 1.18 | 5.4 |
| ILMN_1755303 | ZNF217 | NM_006526.2 | 1.05 | 7.05 | 0.78 | 4.44 | -1.44 | 4.82 | -1.19 | 3.18 | 0.25 | 0.07 | -0.28 | 0.37 |
| ILMN_1655748 | ZNF323 | NM_145909.2 | -1.07 | 4.97 | -0.06 | 0.04 | -1.62 | 15.63 | -0.95 | 5.95 | 0.67 | 2.15 | 1.01 | 3.88 |