

**Table 2: List of genes in pancreatic cancer pathway**

| <b>Entrez gene id</b> | <b>SNP Count</b> | <b>Gene length in base pairs</b> | <b>Normalized values</b> | <b>z-score</b> |
|-----------------------|------------------|----------------------------------|--------------------------|----------------|
| 8517                  | 52               | 2123                             | 0.024493641              | -0.580818146   |
| 5925                  | 525              | 4772                             | 0.110016764              | 0.077052034    |
| 3551                  | 386              | 4131                             | 0.093439845              | -0.05046273    |
| 4089                  | 343              | 8789                             | 0.039026055              | -0.469030344   |
| 1147                  | 308              | 3628                             | 0.084895259              | -0.116190315   |
| 4088                  | 250              | 6256                             | 0.039961637              | -0.461833563   |
| 7157                  | 499              | 2708                             | 0.184268833              | 0.648221793    |
| 1019                  | 192              | 2020                             | 0.095049505              | -0.038080731   |
| 4087                  | 156              | 10443                            | 0.014938236              | -0.65432126    |
| 4790                  | 485              | 4093                             | 0.118494991              | 0.142269165    |
| 5970                  | 266              | 2595                             | 0.102504817              | 0.019267823    |
| 5894                  | 393              | 3291                             | 0.119416591              | 0.14935839     |
| 1956                  | 866              | 6369                             | 0.13597111               | 0.276700847    |
| 1029                  | 146              | 1164                             | 0.125429553              | 0.195611948    |
| 1869                  | 222              | 2722                             | 0.081557678              | -0.141864014   |
| 5888                  | 152              | 2299                             | 0.066115702              | -0.260648442   |
| 595                   | 187              | 4304                             | 0.043447955              | -0.435015728   |
| 5604                  | 183              | 2603                             | 0.070303496              | -0.228434646   |
| 675                   | 5947             | 11386                            | 0.522308098              | 3.248523828    |
| 6774                  | 313              | 4978                             | 0.062876657              | -0.285564175   |
| 207                   | 266              | 3008                             | 0.088430851              | -0.088993453   |
| 5594                  | 132              | 1514                             | 0.087186262              | -0.098567219   |
| 572                   | 128              | 986                              | 0.129817444              | 0.229364956    |
| 598                   | 130              | 2820                             | 0.046099291              | -0.41462084    |
| 1021                  | 126              | 11661                            | 0.010805248              | -0.686113475   |
| 5295                  | 329              | 6991                             | 0.047060506              | -0.407226874   |
| 5595                  | 209              | 1902                             | 0.109884332              | 0.076033325    |
| 7046                  | 281              | 6516                             | 0.043124616              | -0.437502951   |
| 5296                  | 451              | 3981                             | 0.113288119              | 0.102216297    |
| 5599                  | 142              | 6115                             | 0.023221586              | -0.590603183   |
| 2064                  | 730              | 4664                             | 0.15651801               | 0.434753925    |
| 7048                  | 394              | 404                              | 0.975247525              | 6.732673267    |
| 6772                  | 286              | 4326                             | 0.066111882              | -0.260677833   |
| 673                   | 410              | 4560                             | 0.089912281              | -0.077597841   |
| 3845                  | 100              | 5889                             | 0.016980812              | -0.638609141   |
| 3716                  | 511              | 5118                             | 0.099843689              | -0.001202393   |
| 5290                  | 371              | 9104                             | 0.040751318              | -0.455759092   |
| 5601                  | 196              | 4336                             | 0.045202952              | -0.421515754   |
| 5291                  | 255              | 4321                             | 0.059014117              | -0.315276022   |
| 5602                  | 170              | 6572                             | 0.025867316              | -0.570251416   |
| 10928                 | 294              | 4368                             | 0.067307692              | -0.25147929    |
| 998                   | 60               | 2308                             | 0.025996534              | -0.569257432   |
| 1950                  | 723              | 5700                             | 0.126842105              | 0.206477733    |
| 5879                  | 71               | 2398                             | 0.029608007              | -0.541476872   |

|       |     |      |             |              |
|-------|-----|------|-------------|--------------|
| 8503  | 312 | 5098 | 0.061200471 | -0.298457917 |
| 5293  | 561 | 5232 | 0.107224771 | 0.055575159  |
| 5294  | 670 | 7069 | 0.094780025 | -0.04015365  |
| 5898  | 60  | 1357 | 0.044215181 | -0.429113996 |
| 208   | 261 | 5317 | 0.049087831 | -0.391632066 |
| 369   | 270 | 2562 | 0.105386417 | 0.041433976  |
| 7040  | 268 | 2741 | 0.097774535 | -0.017118963 |
| 9459  | 285 | 5282 | 0.053956835 | -0.354178196 |
| 1870  | 277 | 4671 | 0.059302077 | -0.313060949 |
| 7422  | 250 | 3677 | 0.067990209 | -0.246229158 |
| 1871  | 234 | 5027 | 0.046548637 | -0.411164328 |
| 5337  | 696 | 6025 | 0.115518672 | 0.119374402  |
| 5899  | 95  | 2361 | 0.040237188 | -0.459713941 |
| 5900  | 608 | 3730 | 0.163002681 | 0.484636007  |
| 7043  | 232 | 3510 | 0.066096866 | -0.260793338 |
| 23533 | 505 | 4543 | 0.111160026 | 0.085846357  |
| 842   | 235 | 2869 | 0.081910073 | -0.139153283 |
| 7039  | 98  | 4326 | 0.022653722 | -0.594971372 |
| 7042  | 244 | 5932 | 0.041132839 | -0.452824317 |
| 5881  | 112 | 1077 | 0.103992572 | 0.030712092  |
| 5880  | 84  | 1538 | 0.054616385 | -0.349104731 |
| 10000 | 144 | 1734 | 0.083044983 | -0.13042321  |