

Table. Quality evaluation of the results of Xie method on the *HSim-data*.

| IMG | MSE | PSNR | MSE3 | PSNR3 | SSIM | MSSIM | VSNR | VIFP | UQI | NQM | WSNR |
|--------------|------------|-------------|-------------|--------------|-------------|--------------|-------------|-------------|------------|------------|-------------|
| IMD153 | 379.409 | 22.340 | 518.029 | 20.987 | 0.959 | 0.828 | 2.294 | 0.699 | 0.903 | 1.503 | 16.346 |
| IMD154 | 500.629 | 21.136 | 688.502 | 19.752 | 0.941 | 0.798 | 1.979 | 0.641 | 0.863 | 3.008 | 14.577 |
| ISIC_0000000 | 309.393 | 23.226 | 456.053 | 21.541 | 0.956 | 0.875 | 11.186 | 0.662 | 0.899 | 5.579 | 18.060 |
| ISIC_0000008 | 393.369 | 22.183 | 542.918 | 20.783 | 0.950 | 0.855 | 10.231 | 0.627 | 0.899 | 3.098 | 18.025 |
| ISIC_0000013 | 487.973 | 21.247 | 663.802 | 19.910 | 0.934 | 0.851 | 12.796 | 0.536 | 0.880 | 4.659 | 17.797 |
| ISIC_0000016 | 461.090 | 21.493 | 699.369 | 19.684 | 0.963 | 0.804 | 8.808 | 0.472 | 0.880 | 3.494 | 17.423 |
| ISIC_0000026 | 187.121 | 25.410 | 265.169 | 23.896 | 0.970 | 0.895 | 3.650 | 0.621 | 0.923 | 1.447 | 19.564 |
| ISIC_0000028 | 197.238 | 25.181 | 270.084 | 23.816 | 0.956 | 0.882 | 10.215 | 0.697 | 0.918 | 6.520 | 20.643 |
| ISIC_0000038 | 212.927 | 24.848 | 308.874 | 23.233 | 0.966 | 0.886 | 11.091 | 0.660 | 0.914 | 7.412 | 20.400 |
| ISIC_0000040 | 184.397 | 25.473 | 295.277 | 23.429 | 0.977 | 0.874 | 3.327 | 0.562 | 0.923 | 2.318 | 19.575 |
| ISIC_0000047 | 251.367 | 24.128 | 360.934 | 22.557 | 0.962 | 0.864 | 8.518 | 0.564 | 0.905 | 5.382 | 19.536 |
| ISIC_0000049 | 214.290 | 24.821 | 294.980 | 23.433 | 0.969 | 0.901 | 8.532 | 0.761 | 0.930 | 6.233 | 19.891 |
| ISIC_0000051 | 144.141 | 26.543 | 203.349 | 25.048 | 0.979 | 0.917 | 9.087 | 0.767 | 0.941 | 5.725 | 21.661 |
| ISIC_0000087 | 222.617 | 24.655 | 310.987 | 23.203 | 0.979 | 0.900 | 9.792 | 0.750 | 0.937 | 2.962 | 20.062 |
| ISIC_0000089 | 191.538 | 25.308 | 258.201 | 24.011 | 0.981 | 0.916 | 8.312 | 0.751 | 0.947 | 7.281 | 20.966 |
| ISIC_0000096 | 164.330 | 25.974 | 236.750 | 24.388 | 0.985 | 0.917 | 3.736 | 0.818 | 0.950 | 2.842 | 21.224 |
| ISIC_0000105 | 245.048 | 24.238 | 323.699 | 23.029 | 0.974 | 0.896 | 4.353 | 0.811 | 0.958 | 5.519 | 19.239 |
| ISIC_0000109 | 194.902 | 25.233 | 282.975 | 23.613 | 0.982 | 0.914 | 7.440 | 0.829 | 0.949 | 4.834 | 20.491 |
| ISIC_0000120 | 160.326 | 26.081 | 217.624 | 24.754 | 0.978 | 0.921 | 12.714 | 0.822 | 0.953 | 5.766 | 21.821 |
| ISIC_0000124 | 161.333 | 26.054 | 230.565 | 24.503 | 0.983 | 0.926 | 9.588 | 0.857 | 0.957 | 7.256 | 21.096 |
| ISIC_0000141 | 116.362 | 27.473 | 157.855 | 26.148 | 0.982 | 0.928 | 7.770 | 0.791 | 0.955 | 7.209 | 22.129 |
| ISIC_0000142 | 161.904 | 26.038 | 226.137 | 24.587 | 0.980 | 0.933 | 13.861 | 0.841 | 0.954 | 7.834 | 21.766 |
| ISIC_0000143 | 94.537 | 28.375 | 125.323 | 27.151 | 0.987 | 0.943 | 10.493 | 0.852 | 0.963 | 6.773 | 23.925 |
| ISIC_0000165 | 624.997 | 20.172 | 897.212 | 18.602 | 0.957 | 0.811 | 8.831 | 0.646 | 0.885 | 4.681 | 16.591 |
| ISIC_0000172 | 483.647 | 21.286 | 698.140 | 19.691 | 0.961 | 0.867 | 9.105 | 0.702 | 0.902 | 4.576 | 16.314 |
| ISIC_0000175 | 984.882 | 18.197 | 1.352.941 | 16.818 | 0.916 | 0.776 | 14.621 | 0.576 | 0.870 | 1.818 | 15.997 |
| ISIC_0000184 | 391.069 | 22.208 | 580.441 | 20.493 | 0.966 | 0.848 | 9.115 | 0.711 | 0.903 | 4.434 | 17.907 |
| ISIC_0000189 | 127.915 | 27.062 | 216.156 | 24.783 | 0.983 | 0.934 | 10.385 | 0.838 | 0.950 | 5.863 | 22.246 |
| ISIC_0000205 | 208.220 | 24.946 | 308.371 | 23.240 | 0.978 | 0.920 | 16.050 | 0.830 | 0.944 | 7.626 | 21.365 |

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|--------------|-----------|--------|-----------|--------|-------|-------|--------|-------|-------|--------|--------|
| ISIC_0000211 | 543.060 | 20.782 | 763.818 | 19.301 | 0.963 | 0.805 | 8.075 | 0.646 | 0.894 | 2.904 | 17.068 |
| ISIC_0000213 | 1.327.106 | 16.902 | 1.849.672 | 15.460 | 0.911 | 0.780 | 9.989 | 0.523 | 0.835 | 1.267 | 13.578 |
| ISIC_0000226 | 395.279 | 22.162 | 580.321 | 20.494 | 0.964 | 0.866 | 8.739 | 0.688 | 0.899 | 3.047 | 17.140 |
| ISIC_0000230 | 266.969 | 23.866 | 421.690 | 21.881 | 0.961 | 0.865 | 10.453 | 0.728 | 0.898 | 3.812 | 18.977 |
| ISIC_0000233 | 363.902 | 22.521 | 594.751 | 20.387 | 0.961 | 0.867 | 8.446 | 0.747 | 0.908 | 5.828 | 16.846 |
| ISIC_0000236 | 218.886 | 24.729 | 299.558 | 23.366 | 0.961 | 0.892 | 13.979 | 0.688 | 0.913 | 5.266 | 20.878 |
| ISIC_0000246 | 327.187 | 22.983 | 458.671 | 21.516 | 0.939 | 0.790 | 1.306 | 0.498 | 0.873 | 1.176 | 17.428 |
| ISIC_0000257 | 244.908 | 24.241 | 326.325 | 22.994 | 0.966 | 0.854 | 1.574 | 0.528 | 0.911 | 1.219 | 17.999 |
| ISIC_0000261 | 366.870 | 22.486 | 496.740 | 21.170 | 0.944 | 0.850 | 1.913 | 0.562 | 0.897 | 1.791 | 16.972 |
| ISIC_0000344 | 774.265 | 19.242 | 1.087.451 | 17.767 | 0.946 | 0.749 | 4.432 | 0.633 | 0.869 | 1.130 | 14.798 |
| ISIC_0000384 | 93.954 | 28.402 | 128.746 | 27.033 | 0.977 | 0.928 | 5.460 | 0.628 | 0.954 | 7.352 | 22.704 |
| ISIC_0000385 | 104.893 | 27.923 | 145.125 | 26.513 | 0.987 | 0.945 | 10.509 | 0.776 | 0.965 | 9.326 | 23.565 |
| ISIC_0000410 | 138.029 | 26.731 | 186.638 | 25.421 | 0.975 | 0.923 | 3.274 | 0.690 | 0.953 | 3.516 | 21.231 |
| ISIC_0000412 | 132.818 | 26.898 | 182.016 | 25.530 | 0.982 | 0.929 | 7.433 | 0.777 | 0.956 | 6.186 | 22.470 |
| ISIC_0000416 | 90.680 | 28.556 | 124.279 | 27.187 | 0.983 | 0.940 | 7.267 | 0.790 | 0.963 | 10.106 | 22.896 |
| ISIC_0000421 | 75.054 | 29.377 | 96.893 | 28.268 | 0.988 | 0.950 | 7.784 | 0.833 | 0.964 | 9.611 | 23.570 |
| ISIC_0000423 | 73.868 | 29.446 | 103.927 | 27.964 | 0.990 | 0.950 | 14.052 | 0.809 | 0.964 | 11.157 | 24.229 |
| ISIC_0000426 | 69.715 | 29.698 | 96.594 | 28.281 | 0.986 | 0.950 | 18.155 | 0.830 | 0.961 | 15.034 | 25.871 |
| ISIC_0000453 | 57.942 | 30.501 | 76.730 | 29.281 | 0.990 | 0.950 | 6.775 | 0.769 | 0.964 | 8.919 | 24.174 |
| ISIC_0000454 | 84.121 | 28.882 | 110.269 | 27.706 | 0.986 | 0.943 | 5.555 | 0.757 | 0.961 | 5.369 | 22.573 |
| ISIC_0000455 | 100.074 | 28.128 | 132.417 | 26.911 | 0.985 | 0.941 | 7.232 | 0.710 | 0.960 | 5.434 | 22.277 |
| ISIC_0000457 | 326.673 | 22.990 | 438.561 | 21.711 | 0.964 | 0.831 | 4.594 | 0.653 | 0.910 | 1.158 | 17.367 |
| ISIC_0000461 | 212.551 | 24.856 | 290.095 | 23.505 | 0.962 | 0.870 | 2.826 | 0.635 | 0.912 | 1.807 | 18.807 |
| ISIC_0000466 | 521.131 | 20.961 | 700.620 | 19.676 | 0.940 | 0.793 | 5.056 | 0.542 | 0.878 | 1.731 | 16.037 |
| ISIC_0000474 | 324.576 | 23.018 | 448.956 | 21.609 | 0.947 | 0.809 | 4.121 | 0.548 | 0.875 | 1.790 | 16.901 |
| ISIC_0000478 | 258.313 | 24.009 | 362.225 | 22.541 | 0.962 | 0.828 | 3.394 | 0.620 | 0.902 | 1.346 | 18.408 |
| ISIC_0000482 | 257.857 | 24.017 | 353.589 | 22.646 | 0.950 | 0.859 | 7.470 | 0.641 | 0.912 | 3.865 | 18.778 |
| ISIC_0000503 | 209.160 | 24.926 | 297.527 | 23.396 | 0.961 | 0.877 | 5.627 | 0.644 | 0.913 | 3.655 | 19.156 |
| ISIC_0000515 | 230.904 | 24.496 | 319.787 | 23.082 | 0.962 | 0.863 | 5.165 | 0.649 | 0.917 | 2.274 | 18.865 |
| ISIC_0000530 | 485.713 | 21.267 | 663.041 | 19.915 | 0.948 | 0.785 | 2.272 | 0.517 | 0.874 | 1.289 | 16.325 |
| ISIC_0000537 | 417.665 | 21.923 | 588.537 | 20.433 | 0.955 | 0.818 | 1.184 | 0.665 | 0.892 | 0.737 | 16.017 |
| ISIC_0000539 | 766.962 | 19.283 | 1.048.439 | 17.925 | 0.946 | 0.812 | 9.525 | 0.564 | 0.868 | 0.933 | 15.670 |

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|--------------|---------|--------|-----------|--------|-------|-------|--------|-------|-------|--------|--------|
| ISIC_0000541 | 320.718 | 23.070 | 456.560 | 21.536 | 0.952 | 0.818 | 4.140 | 0.550 | 0.859 | 2.174 | 17.021 |
| ISIC_0000556 | 502.780 | 21.117 | 681.041 | 19.799 | 0.955 | 0.828 | 7.891 | 0.673 | 0.901 | 1.877 | 16.696 |
| ISIC_0001185 | 74.560 | 29.406 | 102.150 | 28.038 | 0.989 | 0.952 | 8.871 | 0.731 | 0.963 | 10.788 | 24.225 |
| ISIC_0001367 | 133.624 | 26.872 | 178.550 | 25.613 | 0.985 | 0.926 | 5.338 | 0.730 | 0.951 | 6.412 | 21.954 |
| ISIC_0001372 | 152.411 | 26.301 | 208.325 | 24.943 | 0.985 | 0.925 | 5.338 | 0.817 | 0.954 | 4.881 | 21.048 |
| ISIC_0006982 | 78.818 | 29.165 | 106.018 | 27.877 | 0.990 | 0.950 | 3.448 | 0.840 | 0.957 | 4.028 | 23.575 |
| ISIC_0007038 | 56.802 | 30.587 | 81.273 | 29.031 | 0.990 | 0.959 | 3.474 | 0.811 | 0.966 | 8.220 | 24.519 |
| ISIC_0007087 | 96.529 | 28.284 | 129.716 | 27.001 | 0.989 | 0.937 | 5.313 | 0.786 | 0.956 | 6.621 | 22.710 |
| ISIC_0007693 | 137.389 | 26.751 | 187.715 | 25.396 | 0.974 | 0.926 | 1.848 | 0.595 | 0.949 | 2.385 | 21.840 |
| ISIC_0009875 | 310.049 | 23.217 | 420.183 | 21.896 | 0.967 | 0.884 | 7.476 | 0.762 | 0.931 | 3.125 | 18.855 |
| ISIC_0009877 | 800.020 | 19.100 | 1.091.946 | 17.749 | 0.944 | 0.812 | 13.957 | 0.656 | 0.900 | 0.520 | 16.863 |
| ISIC_0009881 | 420.550 | 21.893 | 563.026 | 20.626 | 0.943 | 0.832 | 4.692 | 0.512 | 0.894 | 2.472 | 17.447 |
| ISIC_0009882 | 293.384 | 23.456 | 397.371 | 22.139 | 0.947 | 0.862 | 5.649 | 0.549 | 0.893 | 4.441 | 18.589 |
| ISIC_0009883 | 550.515 | 20.723 | 729.542 | 19.500 | 0.940 | 0.807 | 6.307 | 0.582 | 0.901 | 1.662 | 16.632 |
| ISIC_0009885 | 454.550 | 21.555 | 608.362 | 20.289 | 0.951 | 0.863 | 5.753 | 0.601 | 0.918 | 2.844 | 17.495 |
| ISIC_0009891 | 387.817 | 22.245 | 509.504 | 21.059 | 0.951 | 0.834 | 2.284 | 0.519 | 0.900 | 1.517 | 16.651 |
| ISIC_0009895 | 438.958 | 21.707 | 625.635 | 20.168 | 0.951 | 0.863 | 8.529 | 0.704 | 0.905 | 2.842 | 18.090 |
| ISIC_0009897 | 358.117 | 22.591 | 498.621 | 21.153 | 0.957 | 0.848 | 8.360 | 0.656 | 0.893 | 3.704 | 17.532 |
| ISIC_0009926 | 625.763 | 20.167 | 817.313 | 19.007 | 0.937 | 0.767 | 7.305 | 0.484 | 0.884 | 0.881 | 17.100 |
| ISIC_0009928 | 535.025 | 20.847 | 722.784 | 19.541 | 0.955 | 0.847 | 12.174 | 0.657 | 0.895 | 4.154 | 17.803 |
| ISIC_0009940 | 292.796 | 23.465 | 404.525 | 22.061 | 0.961 | 0.848 | 6.289 | 0.665 | 0.902 | 3.228 | 18.316 |
| ISIC_0009962 | 546.008 | 20.759 | 730.436 | 19.495 | 0.951 | 0.848 | 11.332 | 0.691 | 0.901 | 3.905 | 17.202 |
| ISIC_0009965 | 280.975 | 23.644 | 379.840 | 22.335 | 0.961 | 0.838 | 3.086 | 0.628 | 0.900 | 1.470 | 18.406 |
| ISIC_0009970 | 521.536 | 20.958 | 695.708 | 19.707 | 0.957 | 0.812 | 9.850 | 0.646 | 0.893 | 1.065 | 17.834 |
| ISIC_0009973 | 556.408 | 20.677 | 743.738 | 19.417 | 0.954 | 0.820 | 10.134 | 0.640 | 0.897 | 2.312 | 17.094 |
| ISIC_0009986 | 567.880 | 20.588 | 750.873 | 19.375 | 0.935 | 0.793 | 8.662 | 0.648 | 0.890 | 3.214 | 17.515 |
| ISIC_0009987 | 382.006 | 22.310 | 500.111 | 21.140 | 0.960 | 0.864 | 10.497 | 0.729 | 0.923 | 4.274 | 19.117 |
| ISIC_0009993 | 567.510 | 20.591 | 757.976 | 19.334 | 0.949 | 0.823 | 11.120 | 0.566 | 0.890 | 1.901 | 17.733 |
| ISIC_0010000 | 199.738 | 25.126 | 270.097 | 23.816 | 0.970 | 0.877 | 3.562 | 0.734 | 0.931 | 3.428 | 19.483 |
| ISIC_0010019 | 385.453 | 22.271 | 512.588 | 21.033 | 0.952 | 0.819 | 5.405 | 0.620 | 0.898 | 1.257 | 17.262 |
| ISIC_0010022 | 348.490 | 22.709 | 451.668 | 21.583 | 0.961 | 0.866 | 7.580 | 0.695 | 0.920 | 3.041 | 18.160 |
| ISIC_0010028 | 457.278 | 21.529 | 613.132 | 20.255 | 0.942 | 0.821 | 4.686 | 0.554 | 0.893 | 0.981 | 17.347 |

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|--------------|---------|--------|---------|--------|-------|-------|--------|-------|-------|-------|--------|
| ISIC_0010033 | 534.298 | 20.853 | 694.975 | 19.711 | 0.942 | 0.826 | 7.331 | 0.563 | 0.890 | 3.062 | 17.309 |
| ISIC_0010034 | 310.791 | 23.206 | 413.591 | 21.965 | 0.951 | 0.840 | 4.174 | 0.590 | 0.893 | 1.422 | 17.094 |
| ISIC_0010035 | 345.343 | 22.748 | 451.626 | 21.583 | 0.954 | 0.838 | -1.404 | 0.729 | 0.916 | 0.863 | 16.608 |
| ISIC_0010046 | 363.739 | 22.523 | 476.426 | 21.351 | 0.965 | 0.823 | -0.526 | 0.651 | 0.901 | 1.109 | 16.784 |
| ISIC_0010057 | 172.055 | 25.774 | 231.206 | 24.491 | 0.972 | 0.887 | 2.504 | 0.711 | 0.934 | 1.276 | 19.822 |
| ISIC_0010063 | 546.373 | 20.756 | 760.366 | 19.321 | 0.962 | 0.858 | 9.639 | 0.742 | 0.912 | 3.330 | 16.776 |
| ISIC_0010069 | 382.209 | 22.308 | 500.980 | 21.133 | 0.952 | 0.840 | 4.899 | 0.613 | 0.913 | 1.651 | 18.341 |
| ISIC_0010070 | 401.345 | 22.096 | 539.446 | 20.811 | 0.952 | 0.846 | 15.351 | 0.596 | 0.898 | 5.116 | 19.804 |
| ISIC_0010074 | 390.791 | 22.211 | 519.887 | 20.972 | 0.954 | 0.826 | 3.250 | 0.638 | 0.901 | 1.030 | 17.802 |
| ISIC_0010079 | 333.345 | 22.902 | 440.059 | 21.696 | 0.968 | 0.869 | 10.513 | 0.633 | 0.925 | 0.625 | 19.857 |
| ISIC_0010080 | 304.028 | 23.302 | 400.225 | 22.108 | 0.967 | 0.891 | 7.529 | 0.769 | 0.932 | 4.360 | 18.492 |
| ISIC_0010083 | 294.604 | 23.438 | 387.564 | 22.247 | 0.961 | 0.866 | 7.530 | 0.716 | 0.923 | 3.931 | 18.940 |
| ISIC_0010088 | 423.485 | 21.862 | 567.991 | 20.587 | 0.962 | 0.865 | 9.197 | 0.688 | 0.927 | 1.763 | 19.011 |
| ISIC_0010093 | 475.191 | 21.362 | 631.517 | 20.127 | 0.950 | 0.807 | 2.736 | 0.620 | 0.897 | 0.964 | 16.665 |
| ISIC_0010094 | 627.323 | 20.156 | 823.465 | 18.974 | 0.936 | 0.824 | 9.521 | 0.606 | 0.894 | 1.824 | 16.467 |
| ISIC_0010100 | 533.224 | 20.862 | 721.089 | 19.551 | 0.960 | 0.835 | 14.397 | 0.654 | 0.914 | 0.394 | 18.715 |
| ISIC_0010168 | 484.553 | 21.277 | 647.322 | 20.020 | 0.940 | 0.829 | 7.557 | 0.625 | 0.894 | 2.686 | 17.290 |
| ISIC_0010169 | 297.530 | 23.395 | 390.678 | 22.213 | 0.959 | 0.847 | 8.802 | 0.670 | 0.899 | 2.437 | 19.094 |
| ISIC_0010182 | 523.315 | 20.943 | 703.673 | 19.657 | 0.930 | 0.771 | 4.603 | 0.423 | 0.879 | 0.568 | 16.851 |
| ISIC_0010183 | 444.766 | 21.649 | 592.245 | 20.406 | 0.934 | 0.792 | 0.815 | 0.464 | 0.881 | 1.129 | 16.666 |
| ISIC_0010185 | 302.152 | 23.329 | 399.496 | 22.116 | 0.944 | 0.836 | -1.088 | 0.610 | 0.905 | 1.345 | 17.316 |
| ISIC_0010187 | 250.467 | 24.143 | 330.908 | 22.934 | 0.967 | 0.884 | 9.370 | 0.681 | 0.924 | 2.655 | 19.683 |
| ISIC_0010191 | 397.404 | 22.138 | 527.599 | 20.908 | 0.958 | 0.836 | 5.609 | 0.653 | 0.894 | 1.900 | 17.549 |
| ISIC_0010215 | 261.731 | 23.952 | 341.914 | 22.792 | 0.959 | 0.860 | 2.484 | 0.623 | 0.923 | 1.443 | 18.738 |
| ISIC_0010223 | 568.690 | 20.582 | 747.421 | 19.395 | 0.955 | 0.828 | 10.709 | 0.666 | 0.885 | 3.129 | 17.455 |
| ISIC_0010226 | 565.808 | 20.604 | 729.467 | 19.501 | 0.952 | 0.791 | 4.894 | 0.556 | 0.898 | 0.354 | 17.064 |
| ISIC_0010234 | 508.779 | 21.066 | 678.501 | 19.815 | 0.947 | 0.812 | 7.767 | 0.550 | 0.911 | 2.317 | 17.964 |
| ISIC_0010249 | 595.867 | 20.379 | 788.339 | 19.164 | 0.946 | 0.802 | 5.905 | 0.529 | 0.881 | 1.884 | 16.754 |
| ISIC_0010252 | 483.069 | 21.291 | 646.386 | 20.026 | 0.965 | 0.839 | 8.843 | 0.689 | 0.907 | 1.042 | 18.038 |
| ISIC_0010256 | 490.847 | 21.221 | 655.529 | 19.965 | 0.929 | 0.778 | -1.543 | 0.445 | 0.907 | 1.377 | 15.488 |
| ISIC_0010261 | 427.131 | 21.825 | 570.874 | 20.565 | 0.951 | 0.829 | 3.057 | 0.580 | 0.894 | 2.048 | 17.121 |
| ISIC_0010262 | 483.961 | 21.283 | 639.848 | 20.070 | 0.947 | 0.815 | 6.862 | 0.627 | 0.906 | 2.002 | 17.517 |

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|--------------|---------|--------|-----------|--------|-------|-------|--------|-------|-------|-------|--------|
| ISIC_0010326 | 292.887 | 23.464 | 385.838 | 22.267 | 0.958 | 0.862 | 2.254 | 0.566 | 0.912 | 1.381 | 18.638 |
| ISIC_0010331 | 753.878 | 19.358 | 999.166 | 18.134 | 0.948 | 0.800 | 10.756 | 0.638 | 0.883 | 1.132 | 16.716 |
| ISIC_0010332 | 451.211 | 21.587 | 601.894 | 20.336 | 0.948 | 0.830 | 4.233 | 0.624 | 0.890 | 1.894 | 16.296 |
| ISIC_0010333 | 368.352 | 22.468 | 483.217 | 21.289 | 0.957 | 0.867 | 8.417 | 0.667 | 0.919 | 2.743 | 18.650 |
| ISIC_0010334 | 319.945 | 23.080 | 429.416 | 21.802 | 0.961 | 0.867 | 9.693 | 0.711 | 0.916 | 2.841 | 18.814 |
| ISIC_0010342 | 534.100 | 20.855 | 709.851 | 19.619 | 0.955 | 0.850 | 13.520 | 0.629 | 0.900 | 1.345 | 18.048 |
| ISIC_0010373 | 516.520 | 21.000 | 671.866 | 19.858 | 0.950 | 0.813 | 8.359 | 0.555 | 0.898 | 2.063 | 17.743 |
| ISIC_0010442 | 533.476 | 20.860 | 737.945 | 19.451 | 0.937 | 0.804 | 6.500 | 0.583 | 0.887 | 1.178 | 16.537 |
| ISIC_0010443 | 462.287 | 21.482 | 609.360 | 20.282 | 0.950 | 0.819 | 8.819 | 0.612 | 0.909 | 3.042 | 18.002 |
| ISIC_0010447 | 346.092 | 22.739 | 466.843 | 21.439 | 0.940 | 0.827 | 4.667 | 0.641 | 0.886 | 3.944 | 16.845 |
| ISIC_0010448 | 221.073 | 24.685 | 295.312 | 23.428 | 0.968 | 0.875 | 0.401 | 0.673 | 0.909 | 1.494 | 18.338 |
| ISIC_0010454 | 395.718 | 22.157 | 532.757 | 20.866 | 0.969 | 0.876 | 11.573 | 0.735 | 0.929 | 1.595 | 19.253 |
| ISIC_0010462 | 248.746 | 24.173 | 328.003 | 22.972 | 0.956 | 0.871 | 4.412 | 0.712 | 0.915 | 5.714 | 18.696 |
| ISIC_0010468 | 386.330 | 22.261 | 502.988 | 21.115 | 0.952 | 0.829 | 2.448 | 0.631 | 0.900 | 1.609 | 17.340 |
| ISIC_0010557 | 353.344 | 22.649 | 475.283 | 21.361 | 0.951 | 0.822 | 0.083 | 0.637 | 0.898 | 1.074 | 17.177 |
| ISIC_0010582 | 507.134 | 21.080 | 669.176 | 19.875 | 0.950 | 0.834 | 5.414 | 0.704 | 0.907 | 2.614 | 16.659 |
| ISIC_0010584 | 201.006 | 25.099 | 267.899 | 23.851 | 0.974 | 0.889 | 2.207 | 0.771 | 0.936 | 1.850 | 19.196 |
| ISIC_0010589 | 365.617 | 22.501 | 466.546 | 21.442 | 0.961 | 0.865 | 5.280 | 0.702 | 0.920 | 3.149 | 17.883 |
| ISIC_0010598 | 534.926 | 20.848 | 705.813 | 19.644 | 0.947 | 0.840 | 6.859 | 0.663 | 0.912 | 1.580 | 17.463 |
| ISIC_0010599 | 384.437 | 22.283 | 512.889 | 21.031 | 0.944 | 0.812 | 3.214 | 0.507 | 0.882 | 0.884 | 17.096 |
| ISIC_0010854 | 343.480 | 22.772 | 476.048 | 21.354 | 0.959 | 0.848 | -1.436 | 0.546 | 0.897 | 0.766 | 16.524 |
| ISIC_0011083 | 416.504 | 21.935 | 543.292 | 20.780 | 0.953 | 0.821 | 4.755 | 0.528 | 0.899 | 2.971 | 17.954 |
| ISIC_0011105 | 449.879 | 21.600 | 603.783 | 20.322 | 0.961 | 0.854 | 13.840 | 0.655 | 0.912 | 1.653 | 19.005 |
| ISIC_0011119 | 592.119 | 20.407 | 773.469 | 19.246 | 0.937 | 0.782 | 7.646 | 0.520 | 0.887 | 1.677 | 17.157 |
| ISIC_0011123 | 408.706 | 22.017 | 538.476 | 20.819 | 0.950 | 0.826 | 5.776 | 0.580 | 0.898 | 1.348 | 17.690 |
| ISIC_0011137 | 370.739 | 22.440 | 515.385 | 21.009 | 0.951 | 0.817 | 4.497 | 0.588 | 0.884 | 1.854 | 17.340 |
| ISIC_0011143 | 511.034 | 21.046 | 678.978 | 19.812 | 0.957 | 0.826 | 8.220 | 0.440 | 0.906 | 0.654 | 18.287 |
| ISIC_0011157 | 815.066 | 19.019 | 1.079.577 | 17.798 | 0.932 | 0.790 | 12.302 | 0.536 | 0.892 | 0.346 | 16.634 |
| ISIC_0011163 | 561.074 | 20.641 | 746.922 | 19.398 | 0.948 | 0.803 | 8.707 | 0.509 | 0.892 | 2.155 | 17.543 |
| ISIC_0011168 | 455.792 | 21.543 | 596.595 | 20.374 | 0.945 | 0.811 | 2.489 | 0.590 | 0.899 | 1.857 | 16.808 |
| ISIC_0011171 | 638.680 | 20.078 | 841.784 | 18.879 | 0.948 | 0.820 | 11.237 | 0.574 | 0.905 | 2.198 | 17.383 |
| ISIC_0011172 | 430.686 | 21.789 | 576.489 | 20.523 | 0.949 | 0.854 | 4.348 | 0.668 | 0.910 | 1.987 | 16.911 |

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|--------------|---------|--------|-----------|--------|-------|-------|--------|-------|-------|-------|--------|
| ISIC_0011176 | 347.751 | 22.718 | 464.813 | 21.458 | 0.966 | 0.863 | 9.790 | 0.683 | 0.920 | 3.185 | 19.068 |
| ISIC_0011177 | 664.721 | 19.904 | 878.651 | 18.693 | 0.948 | 0.787 | 12.624 | 0.630 | 0.891 | 0.554 | 17.566 |
| ISIC_0011205 | 613.634 | 20.252 | 798.963 | 19.106 | 0.958 | 0.825 | 11.550 | 0.594 | 0.900 | 3.354 | 17.653 |
| ISIC_0011211 | 294.466 | 23.440 | 392.614 | 22.191 | 0.959 | 0.863 | 9.312 | 0.613 | 0.901 | 2.829 | 18.886 |
| ISIC_0011212 | 418.371 | 21.915 | 556.029 | 20.680 | 0.939 | 0.804 | 5.999 | 0.538 | 0.868 | 1.374 | 17.038 |
| ISIC_0011230 | 889.343 | 18.640 | 1.183.054 | 17.401 | 0.924 | 0.771 | 8.517 | 0.501 | 0.873 | 0.845 | 15.736 |
| ISIC_0011323 | 263.791 | 23.918 | 353.511 | 22.647 | 0.961 | 0.872 | 5.395 | 0.686 | 0.935 | 3.013 | 19.455 |
| ISIC_0011332 | 392.170 | 22.196 | 551.975 | 20.712 | 0.959 | 0.838 | 9.805 | 0.694 | 0.901 | 3.944 | 18.543 |
| ISIC_0011353 | 358.558 | 22.585 | 480.831 | 21.311 | 0.950 | 0.829 | 2.995 | 0.688 | 0.909 | 2.159 | 17.802 |
| ISIC_0011367 | 655.801 | 19.963 | 874.643 | 18.712 | 0.931 | 0.752 | 5.776 | 0.447 | 0.874 | 0.374 | 16.787 |
| ISIC_0011378 | 428.692 | 21.809 | 559.401 | 20.654 | 0.948 | 0.828 | 7.563 | 0.573 | 0.894 | 3.831 | 17.743 |
| ISIC_0011382 | 311.390 | 23.198 | 411.579 | 21.986 | 0.952 | 0.864 | 8.380 | 0.641 | 0.908 | 3.358 | 18.189 |
| ISIC_0011400 | 490.028 | 21.229 | 666.308 | 19.894 | 0.951 | 0.821 | 7.663 | 0.643 | 0.894 | 2.548 | 17.372 |