

**Table S1**

Comparison of mass peak intensities between patients with NSCLC and Controls individuals for IMAC30-Cu and H50 protein chips

| m/z              | Patients with NSCLC<br>(mean ± SD) |   |         | Controls individuals<br>(mean ± SD) |   |         | p-value |
|------------------|------------------------------------|---|---------|-------------------------------------|---|---------|---------|
| <i>IMAC30-Cu</i> |                                    |   |         |                                     |   |         |         |
| 2664             | 8.672                              | ± | 4.215   | 6.142                               | ± | 2.948   | 0.020   |
| 2782             | 32.122                             | ± | 23.178  | 22.699                              | ± | 26.099  | 0.026   |
| 4466             | 234.807                            | ± | 56.203  | 195.299                             | ± | 63.867  | 0.046   |
| 8934             | 2503.941                           | ± | 516.768 | 2303.279                            | ± | 247.386 | 0.022   |
| 9141             | 343.413                            | ± | 55.394  | 309.133                             | ± | 42.918  | 0.015   |
| 12451            | 4.182                              | ± | 3.304   | 6.471                               | ± | 4.294   | 0.036   |
| 44689            | 1.378                              | ± | 0.385   | 1.183                               | ± | 0.464   | 0.008   |
| 45973            | 1.514                              | ± | 0.448   | 1.097                               | ± | 0.331   | 0.001   |
| 80313            | 0.134                              | ± | 0.073   | 0.172                               | ± | 0.094   | 0.050   |
| <i>H50</i>       |                                    |   |         |                                     |   |         |         |
| 4402             | 2.868                              | ± | 1.171   | 2.227                               | ± | 0.650   | 0.046   |
| 6287             | 3.463                              | ± | 1.544   | 4.381                               | ± | 1.785   | 0.035   |
| 6438             | 18.215                             | ± | 8.390   | 23.464                              | ± | 8.800   | 0.015   |
| 6535             | 1.931                              | ± | 0.584   | 2.398                               | ± | 0.782   | 0.021   |
| 7612             | 1.051                              | ± | 0.681   | 1.847                               | ± | 0.836   | 0.001   |
| 8935             | 25.291                             | ± | 17.581  | 14.847                              | ± | 5.183   | 0.040   |
| 9365             | 4.269                              | ± | 1.403   | 3.353                               | ± | 0.871   | 0.019   |
| 9712             | 3.764                              | ± | 2.797   | 1.919                               | ± | 0.518   | 0.002   |
| 12455            | 0.702                              | ± | 0.674   | 0.886                               | ± | 0.483   | 0.019   |
| 12588            | 4.843                              | ± | 3.664   | 7.100                               | ± | 3.861   | 0.013   |
| 12887            | 13.053                             | ± | 9.804   | 22.807                              | ± | 18.048  | 0.011   |
| 13092            | 2.337                              | ± | 1.399   | 3.649                               | ± | 2.238   | 0.011   |
| 23972            | 0.064                              | ± | 0.025   | 0.052                               | ± | 0.033   | 0.030   |
| 26105            | 0.202                              | ± | 0.112   | 0.127                               | ± | 0.027   | 0.001   |
| 34527            | 2.346                              | ± | 0.569   | 2.039                               | ± | 0.497   | 0.036   |
| 45430            | 1.776                              | ± | 0.428   | 1.528                               | ± | 0.27527 | 0.049   |
| 51996            | 0.327                              | ± | 0.326   | 0.255                               | ± | 0.338   | 0.026   |
| 54263            | 0.372                              | ± | 0.222   | 0.245                               | ± | 0.098   | 0.037   |
| 73503            | 0.128                              | ± | 0.010   | 0.066                               | ± | 0.031   | 0.025   |