

Table S2. Clusters observed after hierarchical agglomerative clustering of cell lines based on expression profiles, with average linkage algorithm and a distance metric of 1-r. The tree was cut at a level that produced 9 clusters, matching the number of tissue-of-origin cell line categories. The resulting kappa statistic, which reflects how well the clusters reflect tissue-of-origin, was 0.46, with a 95% two-tailed confidence interval of (+0.33 to +0.60).

| Cluster | Cell line | | Cluster | Cell line |
|--------------|---------------|------------|--------------|--------------------|
| 1 | BR-HS578T | | 5 | BR-MDA-MB-231-ATCC |
| | LC-NCI-H460 | | | CNS-SNB-75 |
| | LC-HOP-62 | | | CNS-SF-539 |
| | ME-MDA-N | | | CNS-SNB-19 |
| | ME-MDA-MB-435 | | | CNS-U251 |
| | ME-MALME-3M | | | CNS-SF-295 |
| | ME-M14 | | | CO-HT29 |
| | ME-SK-MEL-2 | | | CO-COLO205 |
| | ME-UACC-257 | | | CO-HCC-2998 |
| | ME-SK-MEL-5 | | | LC-HOP-92 |
| | ME-SK-MEL-28 | | | LE-RPMI-8226 |
| | ME-UACC-62 | | | RE-786-0 |
| | 2 | CNS-SF-268 | | |
| LC-NCI-H522 | | | BR-MCF7 | |
| LC-A549-ATCC | | | LC-NCI-H23 | |
| LC-NCI-H226 | | | | |
| LE-SR | | | 7 | BR-BT-549 |
| OV-SK-OV-3 | | | | LE-K-562 |
| OV-IGROV1 | | | | OV-OVCAR-5 |
| OV-OVCAR-4 | | | PR-DU-145 | |
| OV-OVCAR-8 | | | RE-TK-10 | |
| RE-SN12C | | | | |
| 3 | CO-HCT-15 | | 8 | CO-SW-620 |
| | RE-CAKI-1 | | | LC-EKVX |
| | RE-ACHN | | | LE-HL-60 |
| | RE-UO-31 | | 9 | CO-HCT-116 |
| | RE-A498 | | | CO-KM12 |
| RE-RXF-393 | | | LC-NCI-H322M | |
| 4 | LE-MOLT-4 | | | |
| | LE-CCRF-CEM | | | |
| | ME-LOXIMVI | | | |
| | OV-OVCAR-3 | | | |
| | PR-PC-3 | | | |

