**Table S1.** Search terms (n=92) used within MEDLINE, EMBASE and Web of Science.

|  |  |
| --- | --- |
| **Subject Heading** |  **Search Terms Used** |
| **Epigenetics****DNA methylation****Alu and LINE-1** | (DNA Methylation\* or Methylat\* or Hypomethylat\* or Hypermethylat\* or Methylation\*, DNA or Gene silencing or Imprinting or Epigenetic\* or Epigenomic\* or Epigenesis, genetic or Methyl transferase\* or Long Interspersed Nucleotide Element\* or LINE Repeat Sequence\* or Repeat Sequence\*, LINE or Sequence\*, LINE Repeat or Long Interspersed DNA Sequence Element\* or LINE-1 Element\* or Element\*, LINE-1 or LINE-1 Element\* or Element\*, L1 or L1 Element\* or Element\*, Jockey or Jockey Element\* or Alu Element\* or Element\*, Alu or Alu Famil\* or Famil\*, Alu or Alu Repetitive Sequence\* or Repetitive Sequence\*, Alu or Sequence\*, Alu Repetitive or Alu-Like Repetitive Sequence\*). |
| **AND** |
| **Chronic obstructive pulmonary disease****Lung function****Cigarette smoking** | (COPD or Chronic Obstructive Pulmonary Disease\* or COAD or Chronic Obstructive Airway Disease\* or Chronic Obstructive Lung Disease\* or Airflow Obstruction\*, Chronic or Chronic Airflow Obstruction\* or Small Airway Disease or Disease of the small airways or Chronic Bronchitis or Pulmonary Emphysema\* or Emphysema\*, Pulmonary or Focal Emphysema\* or Emphysema\*, Focal or Panacinar Emphysema\* or Emphysema\*, Panacinar or Panlobular Emphysema\* or Emphysema\*, Panlobular or Centriacinar Emphysema\* or Emphysema\*, Centriacinar or Centrilobular Emphysema\* or Emphysema\*, Centrilobular or Airway Obstruction\* or Lung disease\*, obstructive or Obstructive lung disease\* or Obstructive pulmonary disease\* or Pulmonary disease\*, obstructive or Lung Function or LFT\* or Forced expiratory volume in one second or FEV1 or Forced expiratory volume in 1 second or Forced vital capacit\* or FVC or Forced expiratory volume percent predicted or FEV1 FVC or FEV1 FVC or FEV1 FVC ratio or FEV1 FVC ratio or FEV1% or Function Test\*, Respiratory or Respiratory Function Test\* or Test\*, Respiratory Function or Pulmonary Function Test\* or Function Test\*, Pulmonary or Test\*, Pulmonary Function or Lung Function Test\* or Function Test\*, Lung or Test\*, Lung Function or Spirometr\* or Tobacco Smoke Exposure\* or Cigarette smok\* or Tobacco smok\* or Cigarette\* or Cigarette smoking or Cigar Smok\* or Smoking, Cigar or Smoking, Tobacco or Pipe Smok\* or Smoking, Pipe or Smoking, Cigarette) |