

The dataset GSE2565 from NCBI GEO database is obtained from a mouse experiment of phosgene-induced acute lung injury. Lung tissue was collected from air and air-phosgene-exposed mice at 0.5, 1, 4, 8, 12, 24, 48, and 72 hours post-exposure. During the experiment for both case and control groups, there are totally nine sampling points, i.e., 0, 0.5, 1, 4, 8, 12, 24, 48, and 72 hours, while at each sampling time point, lung tissues were obtained from six mice.

The case and control groups can be respectively processed as a microarray. They have the same size. There are totally 54 columns in each microarray and each six columns represents a sampling points from six mice. The row represents gene expression level of samples. In our algorithm, the control groups is viewed as reference samples.

The recommended settings are shown in the figure below:

There are 

-

9

+

 time points/ stages.

The 1st time point / stage :	<div>1</div>	—	<div>6</div>
The 2nd time point / stage :	<div>7</div>	—	<div>12</div>
The 3th time point / stage :	<div>13</div>	—	<div>18</div>
The 4th time point / stage :	<div>19</div>	—	<div>24</div>
The 5th time point / stage :	<div>25</div>	—	<div>30</div>
The 6th time point / stage :	<div>31</div>	—	<div>36</div>
The 7th time point / stage :	<div>37</div>	—	<div>42</div>
The 8th time point / stage :	<div>43</div>	—	<div>48</div>
The 9th time point / stage :	<div>49</div>	—	<div>54</div>