**Additional file 9.**

|  |  |
| --- | --- |
|  | (7) |

 is the normalized value and  is the original value of the variable.  and represent the maximum and minimum values of the index , respectively.

|  |  |
| --- | --- |
|  | (8) |

where represents the amount of information contained in index  and  is the standard deviation of index . In addition,  is the correlation coefficient between index  and index and  is the index number.

|  |  |
| --- | --- |
|  | (9) |

where  is the weight of index,  is the amount of information contained in index , and  represents the index number.