**Table S4-1.** Theexpression change of S1P receptors 1, 2 and 3 following acute injury (\**p*<0.05, \*\**p*<0.01).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | control | | | LPS | | |
| S1PR1 | 1.000 | 1.000 | 1.000 | 1.515 | 2.928 | 2.222\*\* |
| S1PR2 | 1.000 | 1.000 | 1.000 | 1.135 | 1.374 | 1.255 |
| S1PR3 | 1.000 | 1.000 | 1.000 | 1.257 | 1.885 | 1.571\* |

**Table S4-2.** The expression change of sphingosine kinases 1 and 2 following acute injury (\**p*<0.05, \*\**p*<0.01).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | control | | | LPS | | |
| SphK1 | 1.000 | 1.000 | 1.000 | 1.266 | 1.905 | 1.586\*\* |
| SphK2 | 1.000 | 1.000 | 1.000 | 1.905 | 1.945 | 1.925 |