S1 Table. The changes of blastocyst development rate in the supplement with the different dosages of the kinase inhibitors [MEK inhibitor (PD98059), PI3K inhibitor (LY294002), JAK inhibitor (JAK I-II), and EGFR inhibitor (PD168393)].

| Inhibitor  | Untreated (n=46) | PD98059 (μM) | LY294002 (μM) | JAK I-II (μM) | PD168393 (μM) |
|------------|------------------|--------------|----------------|---------------|----------------|
|            |                  | 500  | 100 | 50   | 10 | 0.1 | 100 | 50 | 20 | 10 | 1 | 0.1 | 0.01 | 0.001 | 10 | 2 | 1 | 0.1 | 0.01 |
| Two-cell   | 98.2             | 70.4 | 88.0 | 83.3 | 92.9 | 90.0 | 10.0a | 77.5 | 100.0 | 85.7 | 95.5 | 87.5 | 85.1 | 81.5 | 89.2 | 41.2a | 90.9 | 84.0 | 80.0 | 100.0 |
| Four-cell  | 91.2             | 18.5a | 76.0 | 75.0 | 85.7 | 90.0 | 10.0a | 60.0a | 81.5 | 75.0 | 90.9 | 68.8 | 70.2 | 55.6a | 64.9a | 29.4a | 84.8 | 72.0 | 73.3 | 78.6 |
| Morula     | 91.2             | 14.8a | 64.0a | 75.0 | 78.6 | 90.0 | 6.7a | 27.5a | 51.9a | 64.3a | 77.3 | 62.5a | 51.1a | 51.9a | 59.5a | 11.8a | 60.6a | 68.0a | 73.3 | 78.6 |
| Blastocyst | 84.2             | 14.8a | 60.0a | 66.7a | 78.6 | 80.0 | 3.3a | 17.5a | 51.9a | 64.3a | 72.7 | 18.8a | 48.9a | 51.9a | 56.8a | 11.8a | 51.5a | 52.0a | 73.3 | 78.6 |

*P<0.05 compared to blank group