Raw data of CCK8 experiment (Figure 2)

Layout

Rawdata

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Raw data\_Plate1 |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 0.221 | 0.205 | 0.31 | 0.505 | 0.670  | 0.971 | 0.948 | 1.031 | 0.216 | 0.161 | 　 |
| C | 　 | 0.225 | 0.199 | 0.35 | 0.561 | 0.670  | 0.968 | 0.983 | 0.973 | 0.228 | 0.159 | 　 |
| D | 　 | 0.238 | 0.256 | 0.33 | 0.572 | 0.765  | 0.983 | 0.961 | 0.939 | 0.22 | 0.162 | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.004 | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.07 | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.041 | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Raw data\_Plate2 |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 0.173 | 0.153 | 0.21 | 0.306 | 0.759 | 0.808 | 0.933 | 0.971 | 0.194 | 0.126 | 　 |
| C | 　 | 0.197 | 0.164 | 0.22 | 0.313 | 0.746 | 0.753 | 0.862 | 0.976 | 0.214 | 0.124 | 　 |
| D | 　 | 0.121 | 0.114 | 0.15 | 0.231 | 0.697 | 0.767 | 0.936 | 1.086 | 0.176 | 0.124 | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.156 | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.909 | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.923 | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| Raw data\_Plate3 |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 0.201 | 0.205 | 0.23 | 0.329 | 0.682 | 0.999 | 1.158 | 1.103 | 0.175 | 0.151 | 　 |
| C | 　 | 0.188 | 0.247 | 0.23 | 0.316 | 0.867 | 1.122 | 1.21 | 1.156 | 0.233 | 0.142 | 　 |
| D | 　 | 0.145 | 0.148 | 0.19 | 0.314 | 0.918 | 1.078 | 1.373 | 1.334 | 0.244 | 0.142 | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.394 | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.289 | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.119 | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raw Data\_plate1 Jurkat E6-1 |  |  |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 0.221 | 0.205 | 0.313 | 0.505 | 0.67 | 0.971 | 0.948 | 1.031 | 0.216 | 0.161 | 　 |
| C | 　 | 0.225 | 0.199 | 0.346 | 0.561 | 0.67 | 0.968 | 0.983 | 0.973 | 0.228 | 0.159 | 　 |
| D | 　 | 0.238 | 0.256 | 0.331 | 0.572 | 0.765 | 0.983 | 0.961 | 0.939 | 0.22 | 0.162 | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.004 | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.07 | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.041 | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
|  |  |  |  |  |  |  |  |  |  |  | Blank |  |
|  |  |  |  |  |  |  |  |  |  |  | 0.16  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 0.060  | 0.044  | 0.152  | 0.344  | 0.509  | 0.810  | 0.787  | 0.870  | 0.055  | 0.000  | 　 |
| C | 　 | 0.064  | 0.038  | 0.185  | 0.400  | 0.509  | 0.807  | 0.822  | 0.812  | 0.067  | -0.002  | 　 |
| D | 　 | 0.077  | 0.095  | 0.170  | 0.411  | 0.604  | 0.822  | 0.800  | 0.778  | 0.059  | 0.001  | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.843  | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.909  | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.880  | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
|  |  |  |  |  |  |  |  |  |  |  | Neg.Ctrl |  |
|  |  |  |  |  |  |  |  |  |  |  | 0.878  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cell growth% |  |  |  |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 6.87  | 5.05  | 17.36  | 39.23  | 58.03  | 92.33  | 89.71  | 99.16  | 6.30  | 0.04  | 　 |
| C | 　 | 7.33  | 4.37  | 21.12  | 45.61  | 58.03  | 91.99  | 93.70  | 92.56  | 7.67  | -0.19  | 　 |
| D | 　 | 8.81  | 10.86  | 19.41  | 46.87  | 68.86  | 93.70  | 91.19  | 88.68  | 6.76  | 0.15  | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 96.09  | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 103.61  | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 100.30  | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |

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| **Compound ID**  | **IC50**  |
| hirsutine | 29.40M |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raw Data\_plate2 Jurkat E6-1 |  |  |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 0.173 | 0.153 | 0.211 | 0.306 | 0.759 | 0.808 | 0.933 | 0.971 | 0.194 | 0.126 | 　 |
| C | 　 | 0.197 | 0.164 | 0.219 | 0.313 | 0.746 | 0.753 | 0.862 | 0.976 | 0.214 | 0.124 | 　 |
| D | 　 | 0.121 | 0.114 | 0.15 | 0.231 | 0.697 | 0.767 | 0.936 | 1.086 | 0.176 | 0.124 | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.156 | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.909 | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.923 | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
|  |  |  |  |  |  |  |  |  |  |  |

|  |
| --- |
| Blank |
| 0.12  |

 |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 0.048  | 0.028  | 0.086  | 0.181  | 0.634  | 0.683  | 0.808  | 0.846  | 0.069  | 0.001  | 　 |
| C | 　 | 0.072  | 0.039  | 0.094  | 0.188  | 0.621  | 0.628  | 0.737  | 0.851  | 0.089  | -0.001  | 　 |
| D | 　 | -0.004  | -0.011  | 0.025  | 0.106  | 0.572  | 0.642  | 0.811  | 0.961  | 0.051  | -0.001  | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.031  | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.784  | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.798  | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
|  |  |  |  |  |  |  |  |  |  |  | Neg.Ctrl |  |
|  |  |  |  |  |  |  |  |  |  |  | 0.871  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cell growth% |  |  |  |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 5.55  | 3.25  | 9.91  | 20.81  | 72.80  | 78.42  | 92.77  | 97.13  | 7.96  | 0.15  | 　 |
| C | 　 | 8.30  | 4.51  | 10.83  | 21.61  | 71.31  | 72.11  | 84.62  | 97.70  | 10.25  | -0.08  | 　 |
| D | 　 | -0.42  | -1.22  | 2.91  | 12.20  | 65.68  | 73.72  | 93.11  | 110.33  | 5.89  | -0.08  | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 118.36  | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 90.02  | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 91.62  | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |

|  |  |
| --- | --- |
| **Compound ID**  | **IC50**  |
| hirsutine | 24.18M |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Raw Data\_plate3 Jurkat E6-1 |  |  |  |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 0.201 | 0.205 | 0.229 | 0.329 | 0.682 | 0.999 | 1.158 | 1.103 | 0.175 | 0.151 | 　 |
| C | 　 | 0.188 | 0.247 | 0.226 | 0.316 | 0.867 | 1.122 | 1.21 | 1.156 | 0.233 | 0.142 | 　 |
| D | 　 | 0.145 | 0.148 | 0.188 | 0.314 | 0.918 | 1.078 | 1.373 | 1.334 | 0.244 | 0.142 | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.394 | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.289 | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.119 | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
|  |  |  |  |  |  |  |  |  |  |  | Blank |  |
|  |  |  |  |  |  |  |  |  |  |  | 0.15  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 0.056  | 0.060  | 0.084  | 0.184  | 0.537  | 0.854  | 1.013  | 0.958  | 0.030  | 0.006  | 　 |
| C | 　 | 0.043  | 0.102  | 0.081  | 0.171  | 0.722  | 0.977  | 1.065  | 1.011  | 0.088  | -0.003  | 　 |
| D | 　 | 0.000  | 0.003  | 0.043  | 0.169  | 0.773  | 0.933  | 1.228  | 1.189  | 0.099  | -0.003  | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.249  | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.144  | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.974  | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
|  |  |  |  |  |  |  |  |  |  |  | Neg.Ctrl |  |
|  |  |  |  |  |  |  |  |  |  |  | 1.122  |  |
| Cell growth% |  |  |  |  |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 4.99  | 5.35  | 7.48  | 16.39  | 47.85  | 76.09  | 90.26  | 85.36  | 2.67  | 0.53  | 　 |
| C | 　 | 3.83  | 9.09  | 7.22  | 15.24  | 64.33  | 87.05  | 94.89  | 90.08  | 7.84  | -0.27  | 　 |
| D | 　 | 0.00  | 0.27  | 3.83  | 15.06  | 68.87  | 83.13  | 109.41  | 105.94  | 8.82  | -0.27  | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 111.29  | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 101.93  | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 86.78  | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |

|  |  |
| --- | --- |
| **Compound ID**  | **IC50**  |
| hirsutine | 21.33M |

|  |  |  |  |
| --- | --- | --- | --- |
| **Compound ID**  | **24h-IC50**  | **48h-IC50**  | **72h-IC50**  |
| hirsutine | 29.40M | 24.18M | 21.33M |

Normal cells

Layout



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Raw data\_Plate1 |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 0.802  | 0.943  | 1.071  | 1.166  | 　 | 　 | 　 | 　 |   | 　 | 　 |
| C | 　 | 0.889  | 1.069  | 1.195  | 1.290  | 　 | 　 | 　 | 　 |   | 　 | 　 |
| D | 　 | 0.865  | 1.046  | 1.209  | 1.297  | 　 | 　 | 　 | 　 | 1.322  | 　 | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.269  | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.106  |  | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.103  |  | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
|  |  | THLE-2 4000 cells/孔 48hrs |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Raw data\_Plate2 |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 1.282  | 1.332  | 1.282  | 1.266  | 　 | 　 | 　 | 　 |  | 　 | 　 |
| C | 　 | 1.349  | 1.387  | 1.375  | 1.359  | 　 | 　 | 　 | 　 |  | 　 | 　 |
| D | 　 | 1.278  | 1.353  | 1.357  | 1.342  | 　 | 　 | 　 | 　 | 1.354  | 　 | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 1.356  | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.105 |  | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.102 |  | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
|  |  | HK2 4000 cells/孔 48hrs |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cell toxic: %Control |  |  |  |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 58.564  | 70.403  | 81.150  | 89.127  | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| C | 　 | 65.869  | 80.982  | 91.562  | 99.538  | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| D | 　 | 63.854  | 79.051  | 92.737  | 100.126  | 　 | 　 | 　 | 　 | 102.225  | 　 | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 97.775  | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.126  | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | -0.126  | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cell toxic: %Control |  |  |  |  |  |  |  |  |  |  |  |
| 　 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| B | 　 | 98.866  | 103.065  | 98.866  | 97.523  | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| C | 　 | 104.492  | 107.683  | 106.675  | 105.332  | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| D | 　 | 98.531  | 104.828  | 105.164  | 103.904  | 　 | 　 | 　 | 　 | 104.912  | 　 | 　 |
| E | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 105.080  | 　 | 　 |
| F | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 0.125  | 　 | 　 |
| G | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | -0.125  | 　 | 　 |
| H | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |