

Table S10. Data for Fig. 6C

| Run | Treatment     |      | E0    | E90  | E180 | Einf | Esp  | Viscosity |
|-----|---------------|------|-------|------|------|------|------|-----------|
| 1   | Control       | Mean | 127.0 | 62.2 | 50.9 | 49.0 | 56.9 | 3.4E+003  |
|     |               | n    | 10    | 10   | 10   | 10   | 10   | 10        |
|     |               | s.d. | 15.5  | 11.2 | 8.0  | 7.0  | 14.0 | 2.2E+003  |
|     | 10 uM Y27632  | Mean | 91.4  | 44.4 | 36.7 | 36.6 | 37.1 | 2.0E+003  |
|     |               | n    | 8     | 8    | 8    | 8    | 8    | 8         |
|     |               | s.d. | 8.9   | 3.2  | 2.7  | 3.4  | 6.0  | 5.6E+002  |
| 2   | Control       | Mean | 61.4  | 27.1 | 25.0 | 26.3 | 26.3 | 4.9E+002  |
|     |               | n    | 9     | 9    | 9    | 9    | 9    | 9         |
|     |               | s.d. | 6.9   | 2.4  | 2.5  | 2.5  | 5.2  | 1.1E+002  |
|     | 10 uM Y27632  | Mean | 111.7 | 51.0 | 42.9 | 42.2 | 48.1 | 2.4E+003  |
|     |               | n    | 8     | 8    | 8    | 8    | 8    | 8         |
|     |               | s.d. | 15.9  | 8.4  | 7.5  | 7.1  | 7.7  | 6.6E+002  |
| 3   | Control       | Mean | 86.8  | 37.1 | 30.9 | 32.0 | 35.3 | 1.4E+003  |
|     |               | n    | 9     | 9    | 9    | 9    | 9    | 9         |
|     |               | s.d. | 5.8   | 3.4  | 3.1  | 3.4  | 3.9  | 3.0E+002  |
|     | 100 uM Y27632 | Mean | 54.2  | 19.9 | 18.2 | 19.5 | 26.8 | 3.3E+002  |
|     |               | n    | 8     | 8    | 8    | 8    | 8    | 8         |
|     |               | s.d. | 5.2   | 2.1  | 1.9  | 1.9  | 2.1  | 8.1E+001  |
| 4   | Control       | Mean | 110.1 | 48.0 | 37.8 | 36.6 | 54.6 | 3.0E+003  |
|     |               | n    | 9     | 9    | 9    | 9    | 9    | 9         |
|     |               | s.d. | 11.0  | 5.8  | 4.9  | 5.2  | 9.0  | 7.5E+002  |
|     | 10 uM Y27632  | Mean | 83.1  | 28.6 | 23.6 | 25.4 | 40.8 | 1.2E+003  |
|     |               | n    | 9     | 9    | 9    | 9    | 9    | 9         |
|     |               | s.d. | 9.3   | 4.0  | 3.7  | 3.6  | 5.7  | 2.1E+002  |
| 5   | Control       | Mean | 140.8 | 59.6 | 48.4 | 45.6 | 71.9 | 3.9E+003  |
|     |               | n    | 9     | 9    | 9    | 9    | 9    | 9         |
|     |               | s.d. | 16.8  | 5.6  | 5.9  | 6.8  | 17.5 | 1.5E+003  |
|     | 10 uM Y27632  | Mean | 84.5  | 28.4 | 25.1 | 26.8 | 41.4 | 8.6E+002  |
|     |               | n    | 9     | 9    | 9    | 9    | 9    | 9         |
|     |               | s.d. | 12.3  | 4.8  | 4.6  | 4.5  | 6.4  | 2.7E+002  |
| 6   | Control       | Mean | 145.4 | 59.0 | 43.5 | 33.9 | 94.6 | 7.2E+003  |
|     |               | n    | 8     | 8    | 8    | 8    | 8    | 8         |
|     |               | s.d. | 20.2  | 8.3  | 5.8  | 15.6 | 16.7 | 5.7E+003  |
|     | 40 uM Y27632  | Mean | 99.9  | 36.3 | 29.2 | 31.5 | 47.4 | 1.5E+003  |
|     |               | n    | 8     | 8    | 8    | 8    | 8    | 8         |
|     |               | s.d. | 8.8   | 2.6  | 2.4  | 3.0  | 8.7  | 3.7E+002  |
| 7   | Control       | Mean | 136.7 | 54.6 | 43.4 | 43.2 | 70.3 | 3.3E+003  |
|     |               | n    | 9     | 9    | 9    | 9    | 9    | 9         |
|     |               | s.d. | 23.5  | 7.8  | 8.6  | 11.0 | 24.1 | 1.5E+003  |
|     | 10 uM Y27632  | Mean | 108.2 | 40.2 | 32.7 | 33.5 | 52.8 | 2.1E+003  |
|     |               | n    | 9     | 9    | 9    | 9    | 9    | 9         |
|     |               | s.d. | 15.8  | 4.8  | 3.5  | 3.8  | 11.0 | 5.3E+002  |
| 8   | Control       | Mean | 135.4 | 62.0 | 49.3 | 47.4 | 62.5 | 3.6E+003  |
|     |               | n    | 8     | 8    | 8    | 8    | 8    | 8         |
|     |               | s.d. | 20.0  | 7.9  | 9.4  | 11.3 | 22.5 | 2.2E+003  |
|     | 40 uM Y27632  | Mean | 112.4 | 41.0 | 33.3 | 35.5 | 52.3 | 1.8E+003  |
|     |               | n    | 8     | 8    | 8    | 8    | 8    | 8         |
|     |               | s.d. | 10.9  | 5.3  | 4.9  | 5.1  | 6.0  | 3.2E+002  |