S2 Table. Comparison of the elastic modulus with Tpm expression and F-actin quantitation.

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| --- | --- | --- | --- | --- |
| B35 clones | Elastic modulus  (kPa) | Tpm expression  (ng/g total cell protein) | Phalloidin staining quantitation  (Total F-actin length per cell) | F/G actin ratio |
| Control | 1.57 ± 0.15 | 3.96 ±0.16 | 916.2± 30.1 | 0.61 ± 0.08 |
| Tpm1.10 | 1.69 ± 0.21 | ***6.22±0.29c*** | ***677.4±48.24 d*** | 0.31 ± 0.11 |
| Tpm1.11 | 1.98 ± 0.23 | 4.38±0.42 | ***597.9±22.64 d*** | 0.39 ± 0.11 |
| Tpm1.12 | ***2.73 ± 0.29c*** | ***5.96±0.53 a*** | 797.8±47.43 | 0.67 ± 0.11 |
| Tpm2.1 | 1.99 ± 0.15 | ***14.56±1.19c*** | 865.2±32.93 | 0.60 ± 0.01 |
| Tpm1.7 | 1.67 ± 0.17 | ***8.97±0.95 b*** | ***496.5 ±47.57 d*** | 0.83 ± 0.11 |
| Tpm4.2 | ***2.65 ± 0.21d*** | ***7.1±1.42 a*** | 1049 ±35.08 | 0.53 ± 0.14 |
| Tpm3.1 | ***3.56 ± 0.26d*** | * 1. ***±0.42 d*** | ***644.3 ±18.08 d*** | ***1.01 ± 0.06 b*** |
|  |  |  |  |  |

Above Table is a summary of the data presented in Fig. 1*B*, 2, 3 and 4. Highlighted in bold italics are the parameters found to be different relative to control cells. a*P*<0.05, b*P*<0.01, c*P*<0.001 and d*P*<0.0001 compared to control.