**Table 3: Changes in cell volume upon hyperosmotic stress**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **WT** | **Cas9** | **TcMscS-KD** | **TcMscS-KO** |
| Peak (%) | -12.41±1.36 | -15.78±0.74 | -22.43±1.12\* | -20.10±1.59\* |
| p-value |  | 0.0055 | 0.0002 | 0.0043 |
| Final volume  | -14.38±0.93 | -11.59±1.08 | -23.84±0.71\* | -23.56±0.82\* |
| p-value |  | 0.087 | 4.27E-05 | 7.99E-05 |

For all the conditions values are Mean±SE of n=6. p values were calculated based on one-way ANOVA analysis with Bonferroni post-test. Differences were considered significant when p<0.01(\*).