|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Curvature directions | Curvature magnitudes | K-Ras | tK | H-Ras | tH |
| Nanobars | Positive |  | Low |  |  | High |
| BARamph2 | Positive |  | Low | Low | High | High |
| BARFCC | Positive |  | Low |  |  | High |
| BARIRS53p | Negative |  | No change |  |  | Low |
| BARFCH | None |  | No change |  |  | No change |
| Hypo | Fluctuations |  | High | High | Low | Low |
| GPMV Osm  (Hypertonic and low hypotonic 🡪 bending) | Fluctuations |  |  | High |  | Low |
| GPMV Osm  (High Hypotonic 🡪 membrane tension) | Fluctuations |  |  | Low |  | Low |
| Vesicle size (small 🡪 large diameters) | Positive |  | High |  |  |  |

**Table 1.** Membrane curvature-induced changes in Ras spatiotemporal organization on biomembranes and synthetic bilayers.