## Supporting information

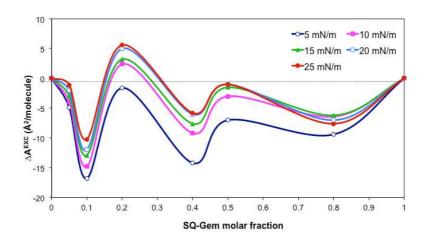


Figure S1: Excess molecular areas for the DOPC/SQ-Gem monolayers.

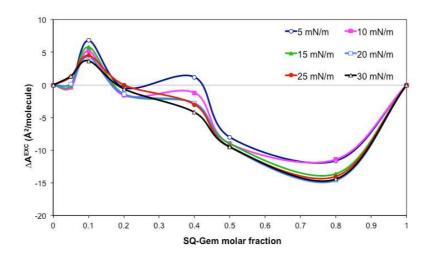


Figure S2: Excess molecular areas for the DSPC/SQ-Gem monolayers.

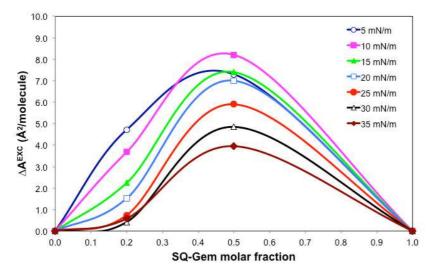


Figure S3: Excess molecular areas for cholesterol/SQ-Gem mixed monolayers.