

Parameter	neat bilayer 1	plus GCase	rinse
Substrate			
d silicon oxide	28.56 <sup>+0.58</sup> <sub>-0.46</sub>		
d chromium	21.48 <sup>+0.66</sup> <sub>-0.58</sub>		
ρ chromium	3.046 <sup>+0.044</sup> <sub>-0.014</sub>		
chromium roughness	21.22 <sup>+0.89</sup> <sub>-1.35</sub>		
d gold	193.51 <sup>+0.37</sup> <sub>-0.39</sub>		
ρ gold	4.4514 <sup>+0.0030</sup> <sub>-0.0058</sub>		
global roughness	2.54 <sup>+0.82</sup> <sub>-0.63</sub>		
Lipid bilayer			
d tether / 1.3	9.20 <sup>+0.36</sup> <sub>-0.37</sub>		
nf tether	0.88 <sup>+0.12</sup> <sub>-0.20</sub>		
βMe molecules per tether	0.86 <sup>+0.62</sup> <sub>-0.27</sub>		
d lipid leaflet / 1.12	14.96 <sup>+0.26</sup> <sub>-0.31</sub> 11.33 <sup>+0.56</sup> <sub>-0.37</sub>	change 1st incubation : 0.83 <sup>+0.15</sup> <sub>-0.29</sub> change 2nd incubation: 0.184 <sup>+0.087</sup> <sub>-0.117</sub>	change : 0.202 <sup>+0.089</sup> <sub>-0.200</sub>
Bilayer completeness	0.9964 <sup>+0.0031</sup> <sub>-0.0081</sub>	0.970 <sup>+0.013</sup> <sub>-0.015</sub>	0.9793 <sup>+0.0141</sup> <sub>-0.0090</sub>
Bilayer roughness	1.063 <sup>+0.522</sup> <sub>-0.062</sub>		
Protein			
Penetration of protein into hydrocarbon core		-14.5 <sup>+10.8</sup> <sub>-2.4</sub>	
Volume fraction peptide in hydrocarbon core and headgroups		0.0231 <sup>+0.0042</sup> <sub>-0.0081</sub>	0.0311 <sup>+0.0641</sup> <sub>-0.0075</sub>
Extension of protein into the bulk solvent		32.89 <sup>+0.71</sup> <sub>-0.65</sub>	34.48 <sup>+0.35</sup> <sub>-0.69</sub>
Volume fraction peptide in bulk solvent		0.173 <sup>+0.014</sup> <sub>-0.012</sub>	0.2318 <sup>+0.0114</sup> <sub>-0.0076</sub>
Volume fraction multipliers		2nd incubation over 1st incubation: 2.00 <sup>+0.14</sup> <sub>-0.23</sub>	second rinse over first rinse: 1.190 <sup>+0.060</sup> <sub>-0.057</sub>