

True w_{open}	maximum	65% interval		95% interval	
0	0	0	6	0	35
25	24	17	42	11	79
50	50	39	68	30	92
75	70	56	86	44	97
100	100	83	100	67	100

Table S1: Maxima and confidence intervals of w_{open} , taken from $p(w_{\text{open}}|D, K)$ of the two-state ensemble refinement of LBP. All numbers in %. The respective posteriors are shown in Fig. 3A of the main text.