



**B**

K	Reps	Mean LnP(K)	Stddev LnP(K)	Ln'(K)	Ln''(K)	Delta K
1	1	-35559.300000	0.000000	—	—	—
2	10	-31651.590000	1.949615	3907.710000	3871.810000	1985.935332
3	10	-31615.690000	3.975606	35.900000	161.550000	40.635313
4	10	-31741.340000	27.187710	-125.650000	—	—

**Fig S6.** Structure Harvester Result for Fig. S7. A shows the levelling off of the mean of the estimate of the Ln probability of the data after  $K=2$ . B shows the calculation of Delta K and the "best" value of  $K$  as  $K=2$