



**B**

K	Reps	Mean LnP(K)	Stdev LnP(K)	Ln'(K)	Ln''(K)	Delta K
1	1	-29781.900000	0.000000	—	—	—
2	20	-27315.155000	1.705247	2466.745000	2205.335000	1293.264018
3	20	-27053.745000	3.959861	261.410000	101.525000	25.638525
4	20	-26893.860000	6.804828	159.885000	—	—

**Fig S4.** Structure Harvester Result for Fig. 3. 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  $K = 2$