

Supporting Information

S1 Text

Abbreviations in alphabetical order

AdK, A denylate K inase;	3
ANM, A nisotropic N etwork M odel;	4
CADD, C omputer- A ssisted D rug D iscovery;	5
CASP, C ritical A ssessment of protein S tructure P rediction;	6
cryo-EM, cryo- E lectron M icroscopy;	7
DIMS, D ynamic I mportance S ampling;	8
EA, E volutionary A lgorithm;	9
ENM, E lastic N etwork M odel;	10
EST, E xpansive S paces T ree;	11
GA, G enetic A lgorithm;	12
IDP, I ntrinsically- D isordered P rotein;	13
IMP, I ntegrative M odeling P latform;	14
MA, M emetic Evolutionary A lgorithm;	15
MC, M onte C arlo MC-SA, M onte C arlo- S imulated A nnealing;	16
MD, M olecular D ynamics;	17
MEP, M inimum E nergy P ath	18
MFEP, M inimum F ree E nergy P ath	19
MGA, M emetic G enetic A lgorithm;	20
MM, M olecular M echanics;	21
MO-EA, M ulti O bjective EA;	22
MO-GA, M ulti O bjective GA	23
MSM, M arkov S tate M odel;	24
MWC, M onod- W yman- C hangeaux;	25
NEB, N udged E lastic B and;	26
NMA, N ormal M ode A nalysis	27
NMR, N uclear M agnetic R esonance;	28
NOE, N uclear O verhauser E ffect;	29
PDB, P rotein D ata B ank;	30
PDST, P ath-directed S ubdivision T ree;	31
PNM, P lastic N etwork M odel;	32
PRM, P robabilistic R oad M ap;	33
QM, Q uantum M echanics;	34
RDC, R esidual D ipolar C oupling;	35
RMSD, R oot- M ean- S quared D eviation;	36
RRT, R apidly-exploring R andom T ree;	37
TPS, T ransition P ath S ampling;	38
TST, T ransition S T heory;	39
VMD, V isual M olecular D ynamics;	40
WEM, W eighted E nsemble M ethod;	41