



Supplementary information, Figure S4 The β -strand module of MSL1_{MBM} or NSL1_{MBM} is important to forming a stable complex with MOF_{HAT}. **(A)** The MSL1 or NSL1 fragments that interact with MOF are stable only when co-expressed and co-purified with MOF_{HAT}. For the wild type MSL1, it remains in stable complex with MOF in a ratio of 1:1 after three steps of purifications; whereas for the MSL1 mutant with deletion of the β -strand module of MSL1_{MBM}, due to the partial dissociation with MOF_{HAT}, the amount of MSL1 is much more than that of MOF_{HAT} after the second step of purifications. **(B)** Wild type NSL1 could form a stable complex with MOF in a ratio of 1:1; while for the NSL1 mutant with ⁸⁸⁸PSWREV⁸⁹³ replaced by AAAAAA, its affinity to MOF is weakened compared with that of the wild type NSL1 proteins in the first-step affinity purification with Ni-NTA agarose.