



Supplementary information, Figure S1 Biochemical delineation of the MSL and NSL complexes. (A) SDS-PAGE of the protein complexes formed by MOF_{HAT} with MSL1_{MBM} or NSL1_{MBM}. (B) SDS-PAGE of the MSL complexes composed of MOF_{HAT}, MSL3_{MRG} and different MSL1 fragments. (C) Sequence alignment of the MRG domains between MSL3 and the MRG family proteins. *hs*, *Homo sapiens*; *mm*, *Mus musculus*; *gg*, *Gallus gallus*; *xt*, *Xenopus tropicalis*; *dm*, *Drosophila melanogaster*. Secondary structures are shown as cylinders (α helixes) and lines (loops), the MSL3-specific sequences are denoted by residue numbers, the identical residues are highlighted blue.