

Fig. S4. Characteristics of pan-SV of 251 accessions. a Stacked histogram of SV numbers in 251 accessions. DUP, INV, TRA, INS and DEL refer to duplication, inversion, translocation, insertion and deletion, respectively. b-e Examples of manual validations of randomly selected large structural variations(SVs), based on mapping the Hi-C reads to the Nipponbare genome at 5 kb resolution. f Simulation of SV numbers in Asian rice accessions based on 500 randomizations of rice genome orders. We used different sets of SVs in the simulation: all SVs, non-private SVs (non-private SVs are defined as SVs present in at least two rice accessions) in Asian rice. g Simulation with SV numbers in African rice accessions based on 500 randomizations of rice genome orders. We used different sets of SVs in the simulation: all SVs, non-private SVs are defined as SVs present in at least two rice accessions) in African rice. h Length distributions of DEL and INS in non-redundant SVs of 251 accessions, DEL and INS were removed if they were larger than 100kb and smaller than 50bp. i Detection frequencies for SVs with different lengths. j Chromosome distributions of hotspot SVs in Osi, Osj, Or, Og and Ob. The black triangle indicates centromere; the purple box indicates the hotspots on the long arm of Chromosome 11. k Features overlapping with SVs in each accession. Osi, Aus, Osj, Or, Og, and Ob refer to O. sativa indica, O. sativa japonica, O. rufipogon, O. glaberrima, and O. barthii, respectively.