

Figure S2. The average EFP of wheat by regions and crop models. (a) Group 1 regions estimated by PRYSBI2, (b) Group 2 regions estimated by PRYSBI2, (c) Group 1 regions estimated by pDSSAT, and (d) Group 2 regions estimated by pDSSAT. Regions or cases without bars are those for which there is no data or cannot be estimated.

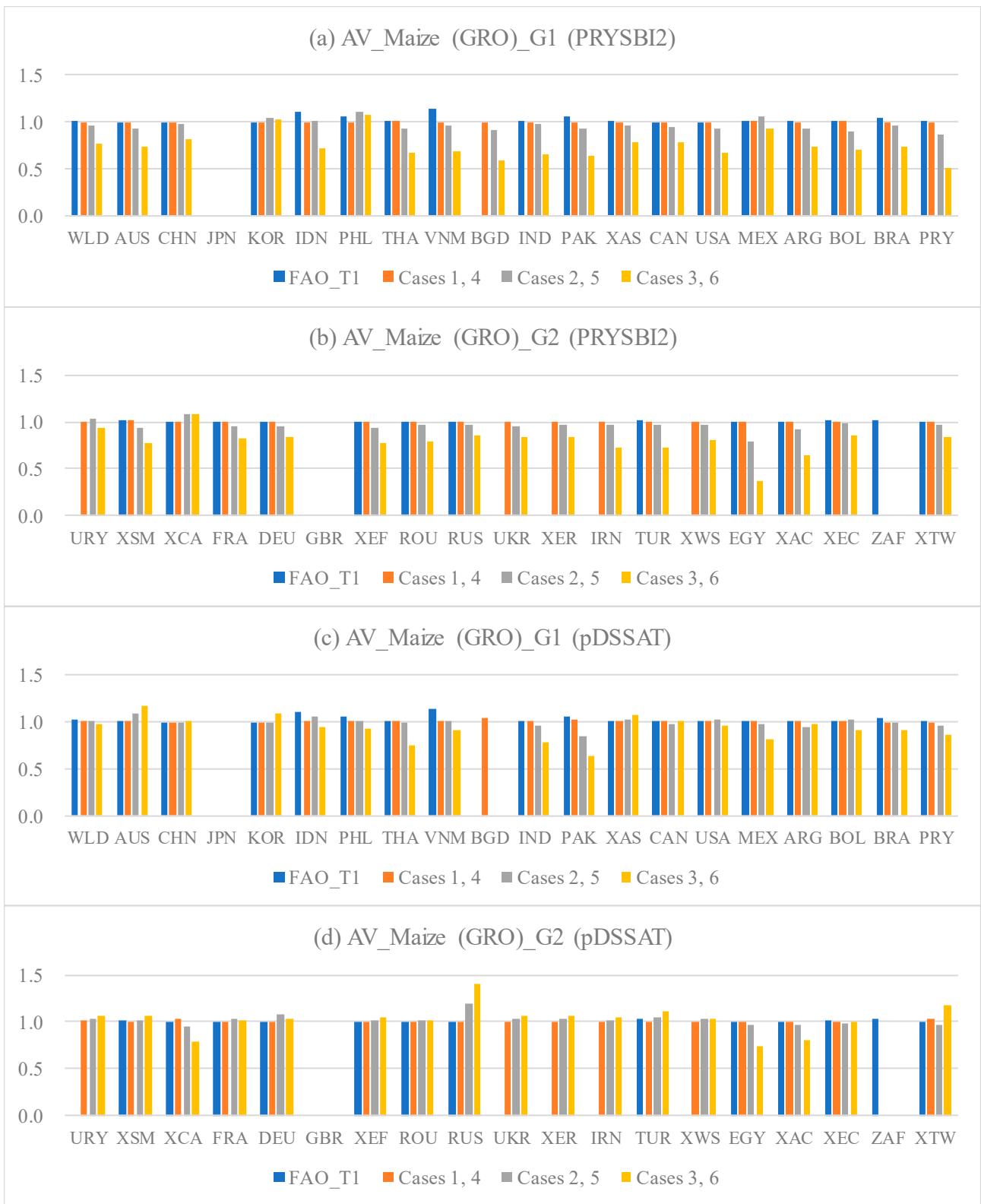


Figure S3. The average EFP of other cereal grains including maize (GRO) by regions and crop models.
(a) Group 1 regions estimated by PRYSBI2, (b) Group 2 regions estimated by PRYSBI2, (c) Group 1 regions estimated by pDSSAT, and (d) Group 2 regions estimated by pDSSAT. Regions or cases without bars are those for which there is no data or cannot be estimated.

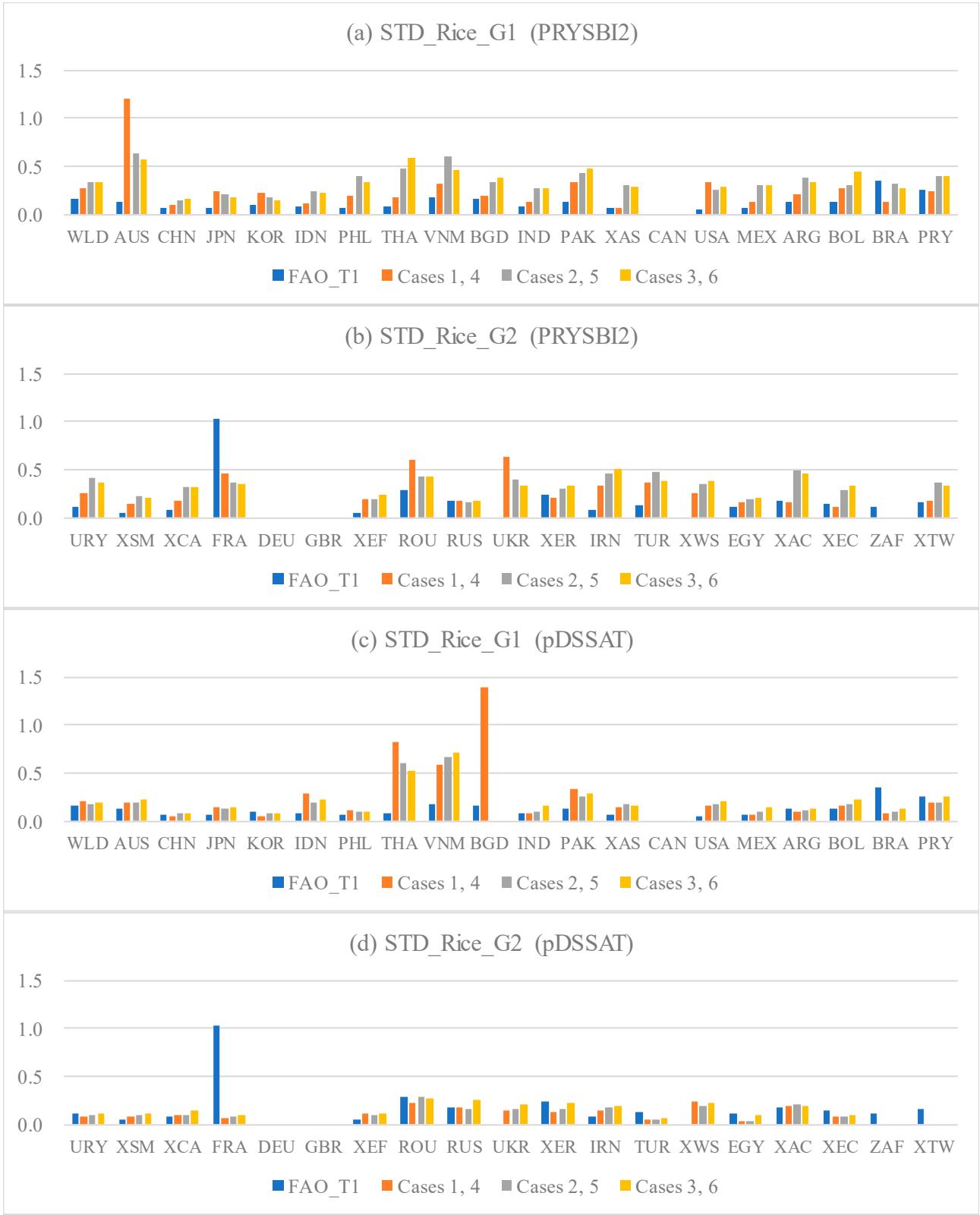


Figure S5. The standard deviation of rice EFP by regions and crop models. (a) Group 1 regions estimated by PRYSBI2, (b) Group 2 regions estimated by PRYSBI2, (c) Group 1 regions estimated by pDSSAT, and (d) Group 2 regions estimated by pDSSAT. Regions or cases without bars are those for which there is no data or cannot be estimated.

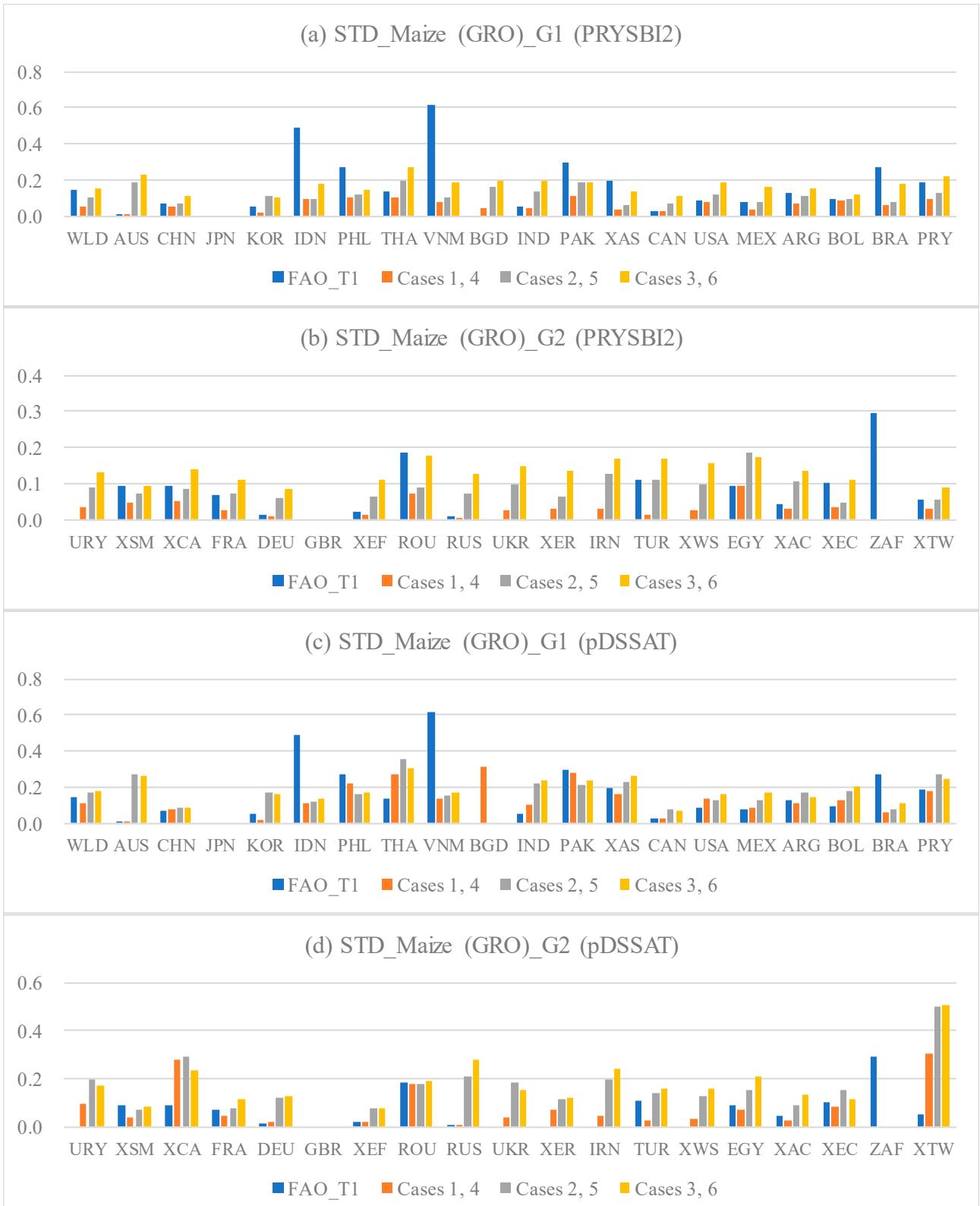


Figure S7. The standard deviation of GRO's EFP including maize by regions and crop models. (a) Group 1 regions estimated by PRYSBI2, (b) Group 2 regions estimated by PRYSBI2, (c) Group 1 regions estimated by pDSSAT, and (d) Group 2 regions estimated by pDSSAT. Regions or cases without bars are those for which there is no data or cannot be estimated.

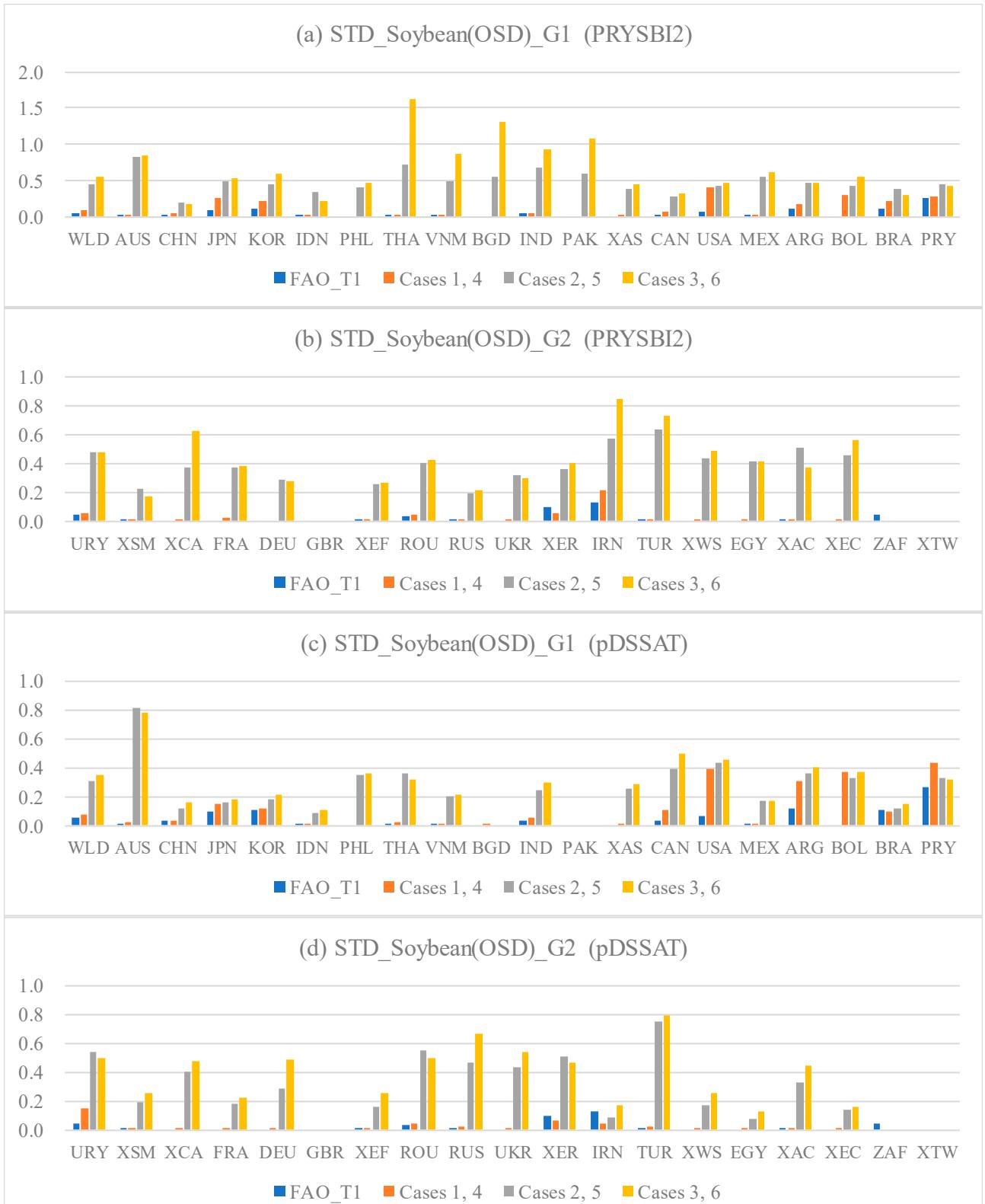


Figure S8. The standard deviation of OSD's EFP including soybean by regions and crop models. (a) Group 1 regions estimated by PRYSBI2, (b) Group 2 regions estimated by PRYSBI2, (c) Group 1 regions estimated by pDSSAT, and (d) Group 2 regions estimated by pDSSAT. Regions or cases without bars are those for which there is no data or cannot be estimated.



Figure S9. Average agricultural price (P_agr) without trade liberalization comparing by regions and crop models. (a) Group 1 regions estimated by PRYSBI2, (b) Group 2 regions estimated by PRYSBI2, (c) Group 1 regions estimated by pDSSAT, and (d) Group 2 regions estimated by pDSSAT. Regions or cases without bars are those for which there is no data or cannot be estimated.



Figure S10. The standard deviation of agricultural price (P_{agr}) without trade liberalization comparing by regions and crop models. (a) Group 1 regions estimated by PRYSBI2, (b) Group 2 regions estimated by PRYSBI2, (c) Group 1 regions estimated by pDSSAT, and (d) Group 2 regions estimated by pDSSAT. Regions or cases without bars are those for which there is no data or cannot be estimated.

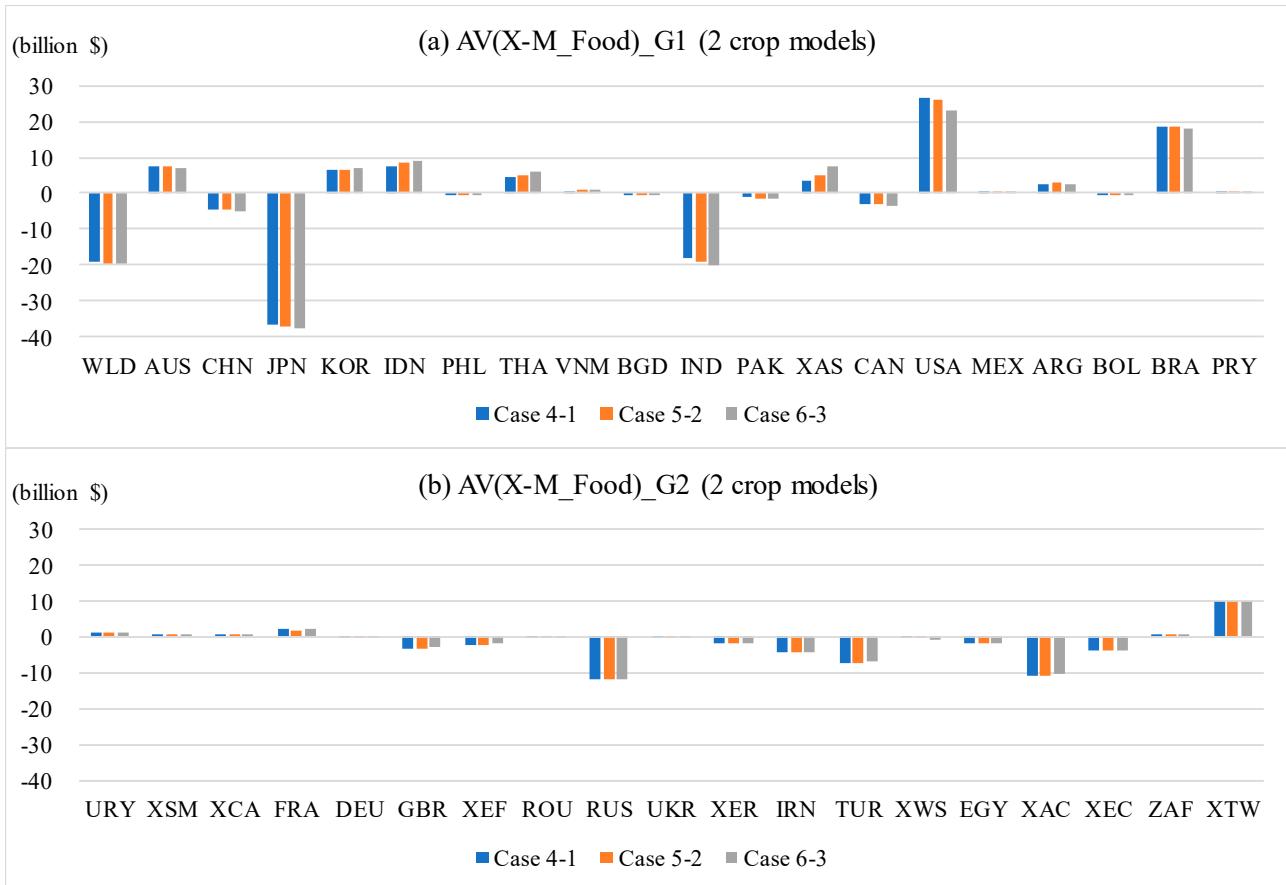


Figure S11. Average food net exports (exports – imports) by regions (average of two crop models). (a) Group 1 regions, (b) Group 2 regions. These values are about the net exports of agriculture and food processing sectors (PDR, WHT, GRO, OSD, OCR, OAP, VOL, PCR, OFD). The values of Cases 4-1 (non-SYF) and Cases 5-2 (SYF in T2) and Cases 6-3 (SYF in T3) show the amount of change in X-M due to trade liberalization by cases. In major food-exporting regions (e.g. Australia, Indonesia, Thailand, USA, Argentina, Brazil, Uruguay, France) these values were positive and in major food-importing regions (e.g. China, Japan, Russia, Iran, Turkey) these values became negative.

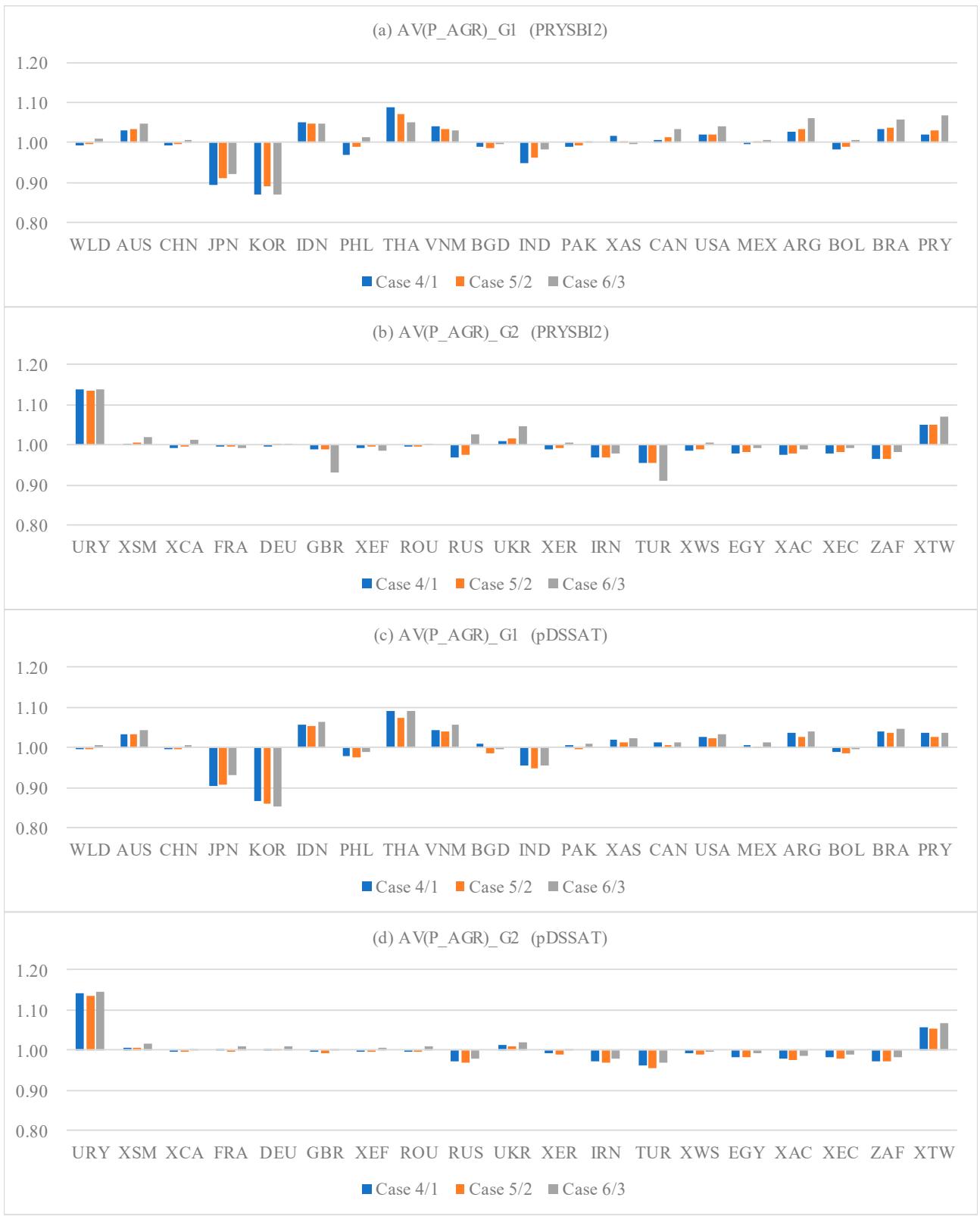


Figure S12. Net effects of trade liberalization in average agricultural price (P_{agr}) comparing by regions and crop models. (a) Group 1 regions estimated by PRYSBI2, (b) Group 2 regions estimated by PRYSBI2, (c) Group 1 regions estimated by pDSSAT, and (d) Group 2 regions estimated by pDSSAT. Regions or cases without bars are those for which there is no data or cannot be estimated.

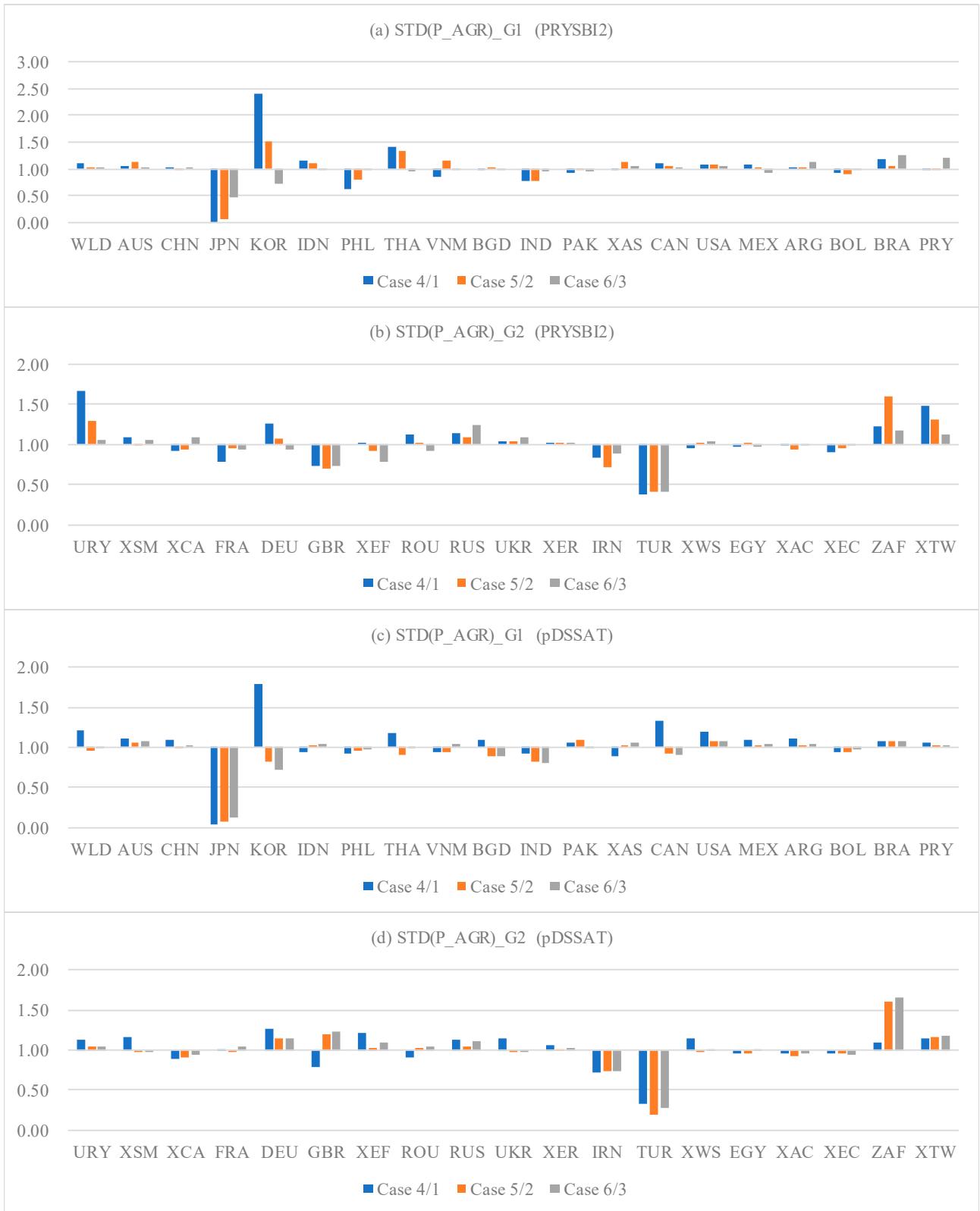


Figure S13. Net effects of trade liberalization in the standard deviation of agricultural price (P_{agr}) comparing by regions and crop models. (a) Group 1 regions estimated by PRYSBI2, (b) Group 2 regions estimated by PRYSBI2, (c) Group 1 regions estimated by pDSSAT, and (d) Group 2 regions estimated by pDSSAT. Regions or cases without bars are those for which there is no data or cannot be estimated.

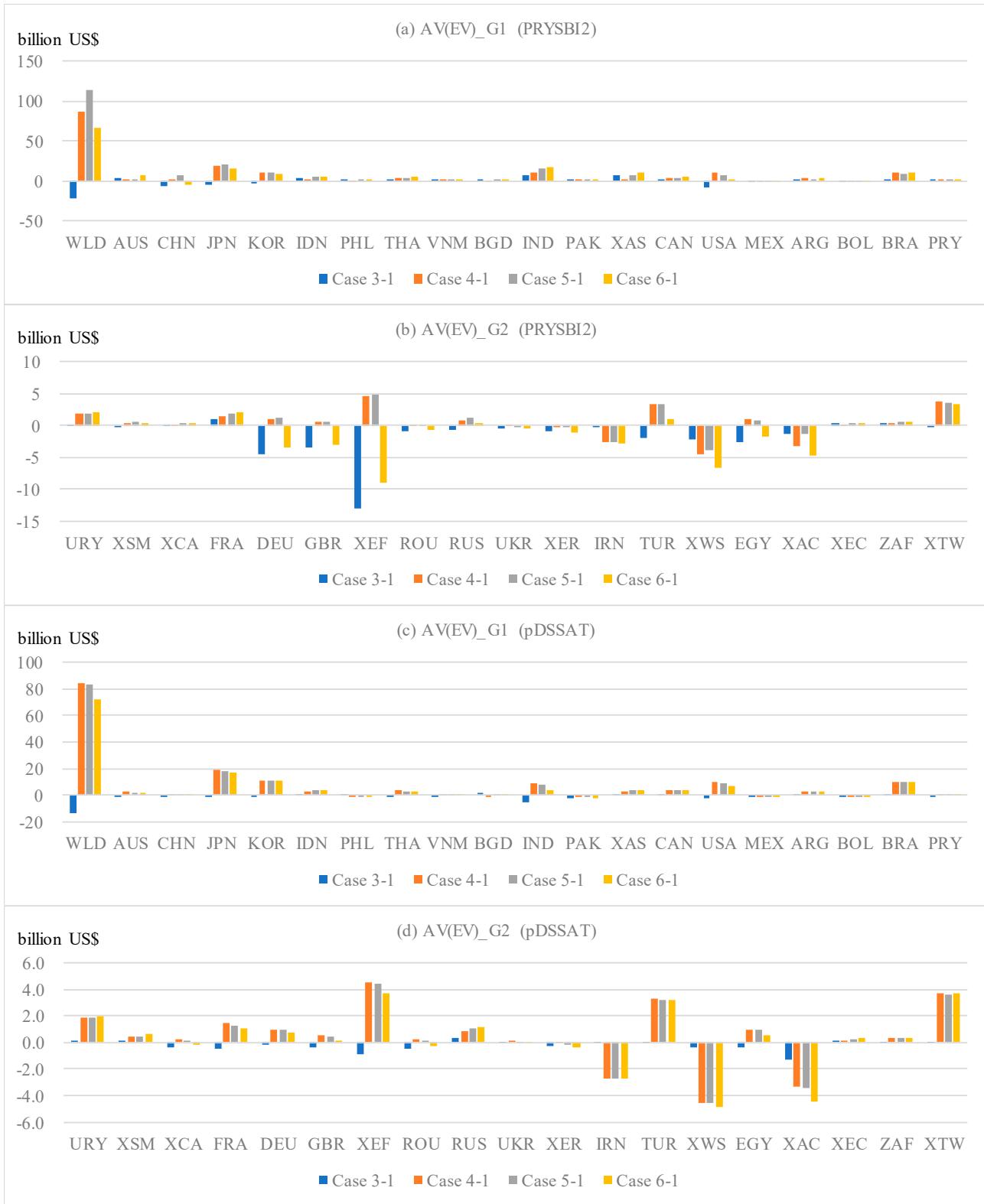


Figure S14. Changes in average EV with and without SYC or trade liberalization comparing by regions and two crop models. (a) Group 1 regions estimated by PRYSBI2, (b) Group 2 regions estimated by PRYSBI2, (c) Group 1 regions estimated by pDSSAT, and (d) Group 2 regions estimated by pDSSAT. Regions or cases without bars are those for which there is no data or cannot be estimated.

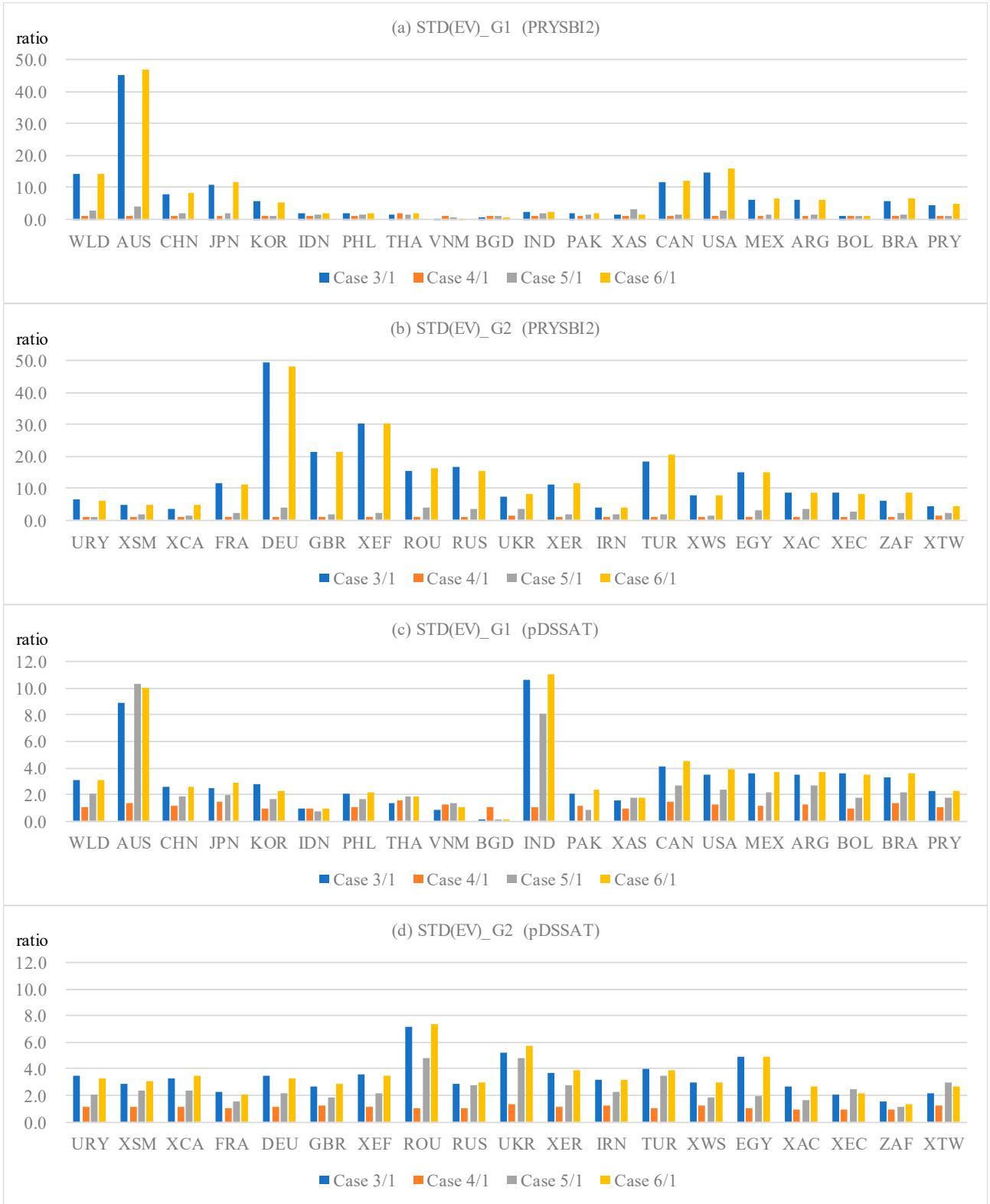


Figure S15. Changes in the standard deviation of EV with and without SYC or trade liberalization comparing by regions and two crop models. (a) Group 1 regions estimated by PRYSBI2, (b) Group 2 regions estimated by PRYSBI2, (c) Group 1 regions estimated by pDSSAT, and (d) Group 2 regions estimated by pDSSAT. Regions or cases without bars are those for which there is no data or cannot be estimated.