(a)

(b)

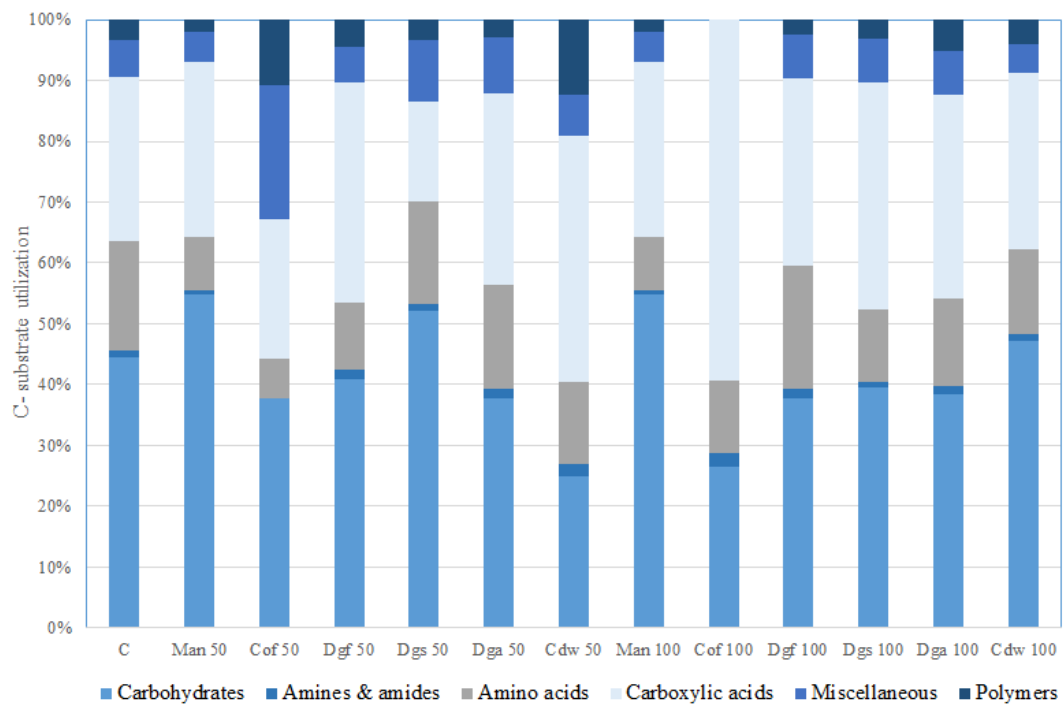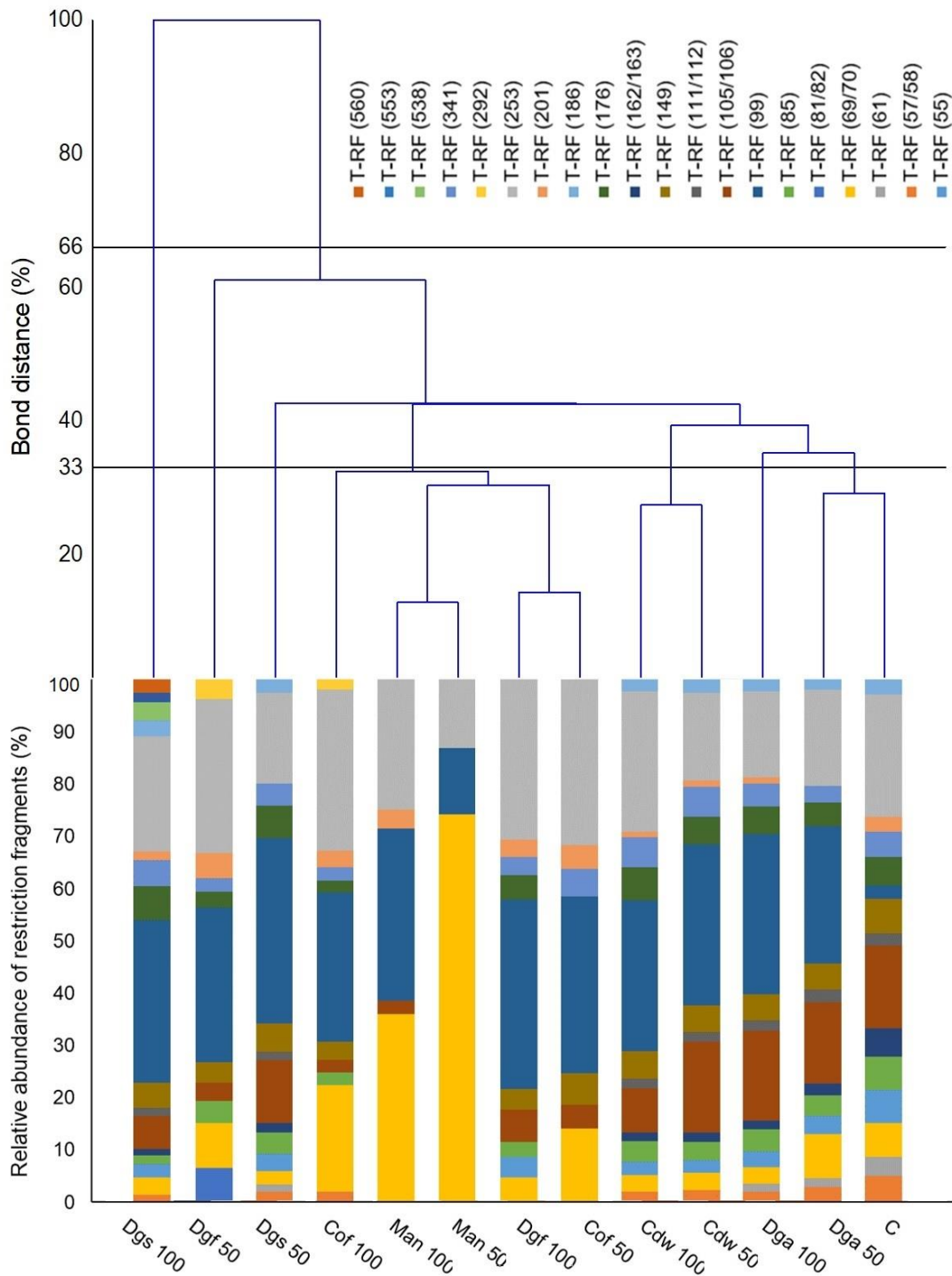**(c)**

Figure S1. Percentage of utilization of carbon substrate on Biolog (**a**) ECO plate, (**b**) FF plate, (**c**) AN plate.

Figure S2. T-RFLP dendrogram was obtained using *AluI* enzyme digested of *amoA* archaeal gene amplification product. Explanation: C- control, Cof – compost, Man – animal meal, Dgf – digestate from potato waste, Dgs – digestate from sugar beet waste, Dga – digestate from silage maize, Cdw- compost, 50% and 100% of doses.
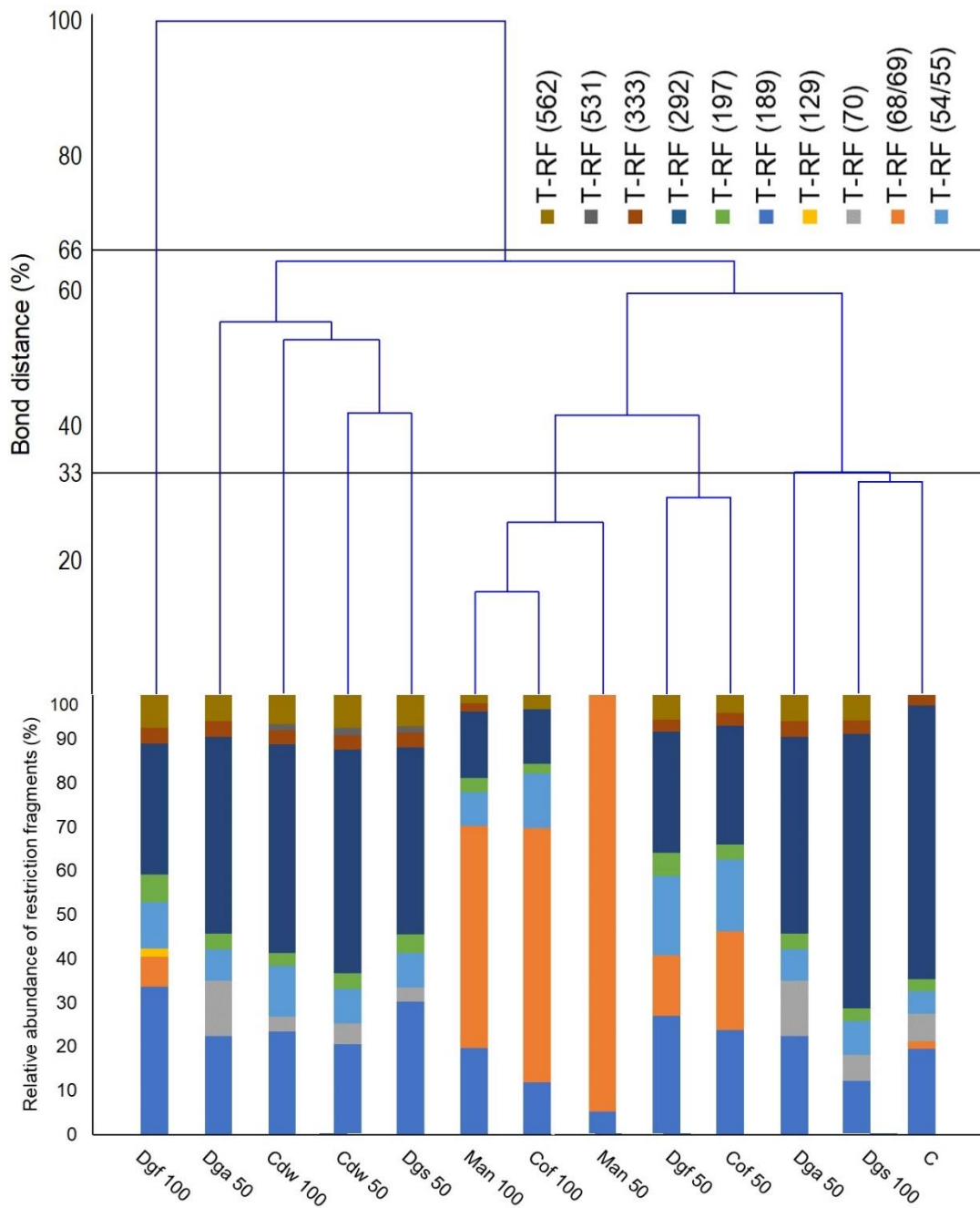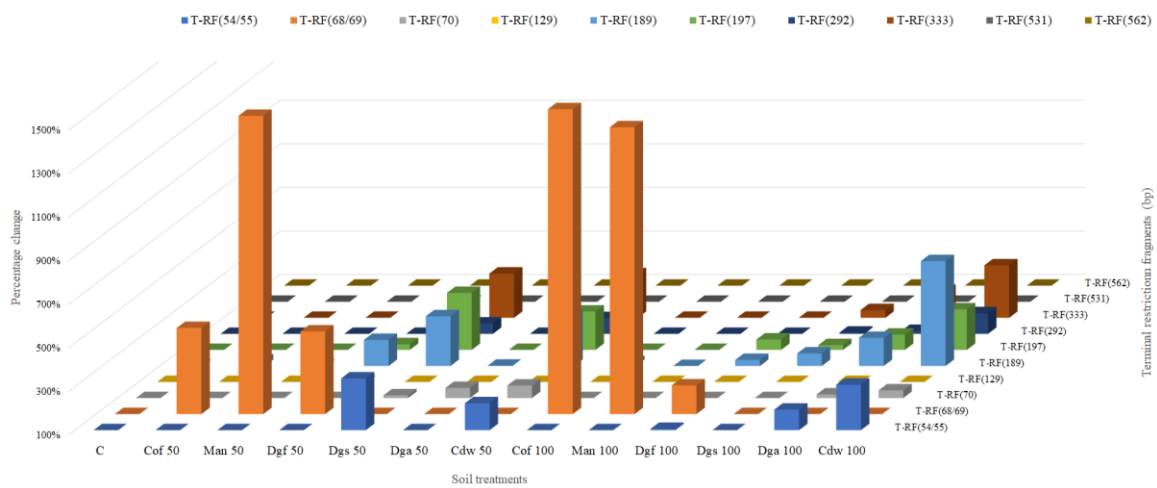
Figure S3. T-RFLP dendrogram was obtained using *Csp6l* enzyme digested of *amoA* archaeal gene amplification product. Explanation: C- control, Cof – compost, Man – animal meal, Dgf – digestate from potato waste, Dgs – digestate from sugar beet waste, Dga – digestate from silage maize, Cdw- compost, 50% and 100% of doses.
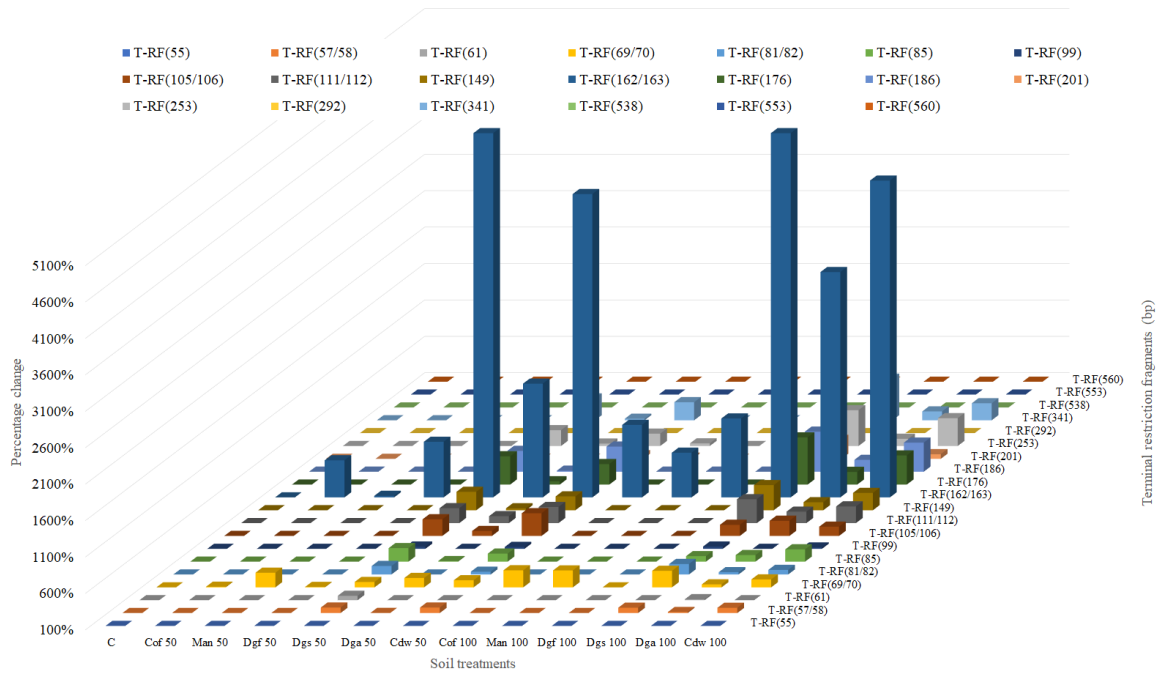
(a)

(b)

Figure S4. Percentage change in relative abundances of terminal restriction profile. Data sets derived from digestion with: **(a)** *AluI*; **(b)** *Csp6l*. Explanation: C- control, Cof – compost, Man – animal meal, Dgf – digestate from potato waste, Dgs – digestate from sugar beet waste, Dga – digestate from silage maize, Cdw- compost, 50% and 100% of doses.