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Fig. S1. Leaf (left) and rhizome (right) of *Curcuma caesia*

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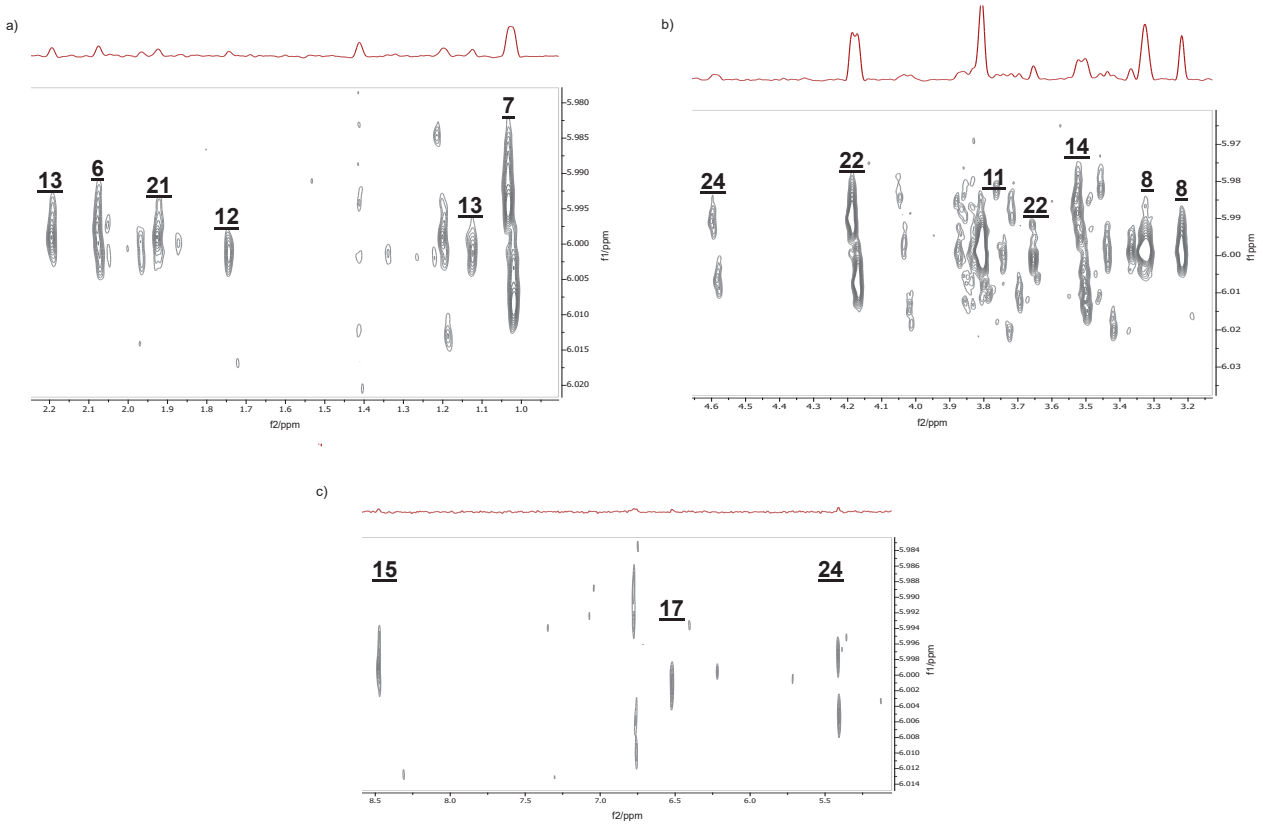

Fig. S2. 2D *J*-resolved spectra of the freeze dried (FD) *Curcuma caesia* rhizome extract in the region: a) δ=1.0–2.2, b) δ=3.2–4.6 and c) δ=5.5–8.5 ppm. The observed signals were as follows: 6=β-turmerone, 7=valine, 8=choline, 11=amadannulen, 13=xanthorrhizol derivative, 14=threonine, 15=formic acid, 17=luteolin, 21=selina-4(15),7(11)-dien-8-one, 22=sucrose and 24=β-glucose

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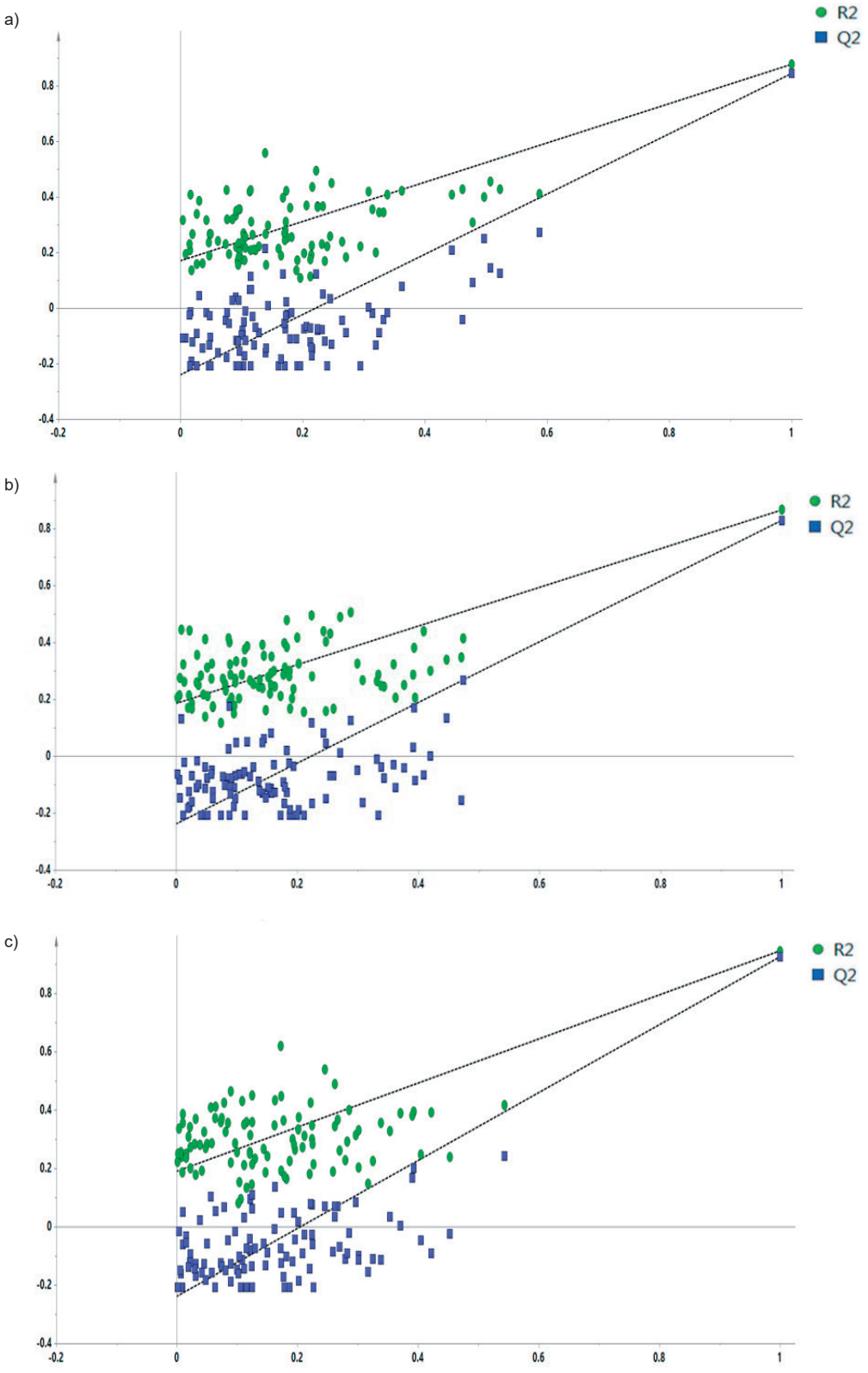

Fig. S3. Validation by the permutation test of bioassay: a) DPPH scavenging activity, b) α-glucosidase inhibitory activity and c) FRAP using 100 permutations for the partial least square (PLS) model. R2=measure of model fit to the original data, Q2=internal measure of consistency between the original and cross-validation predicted data