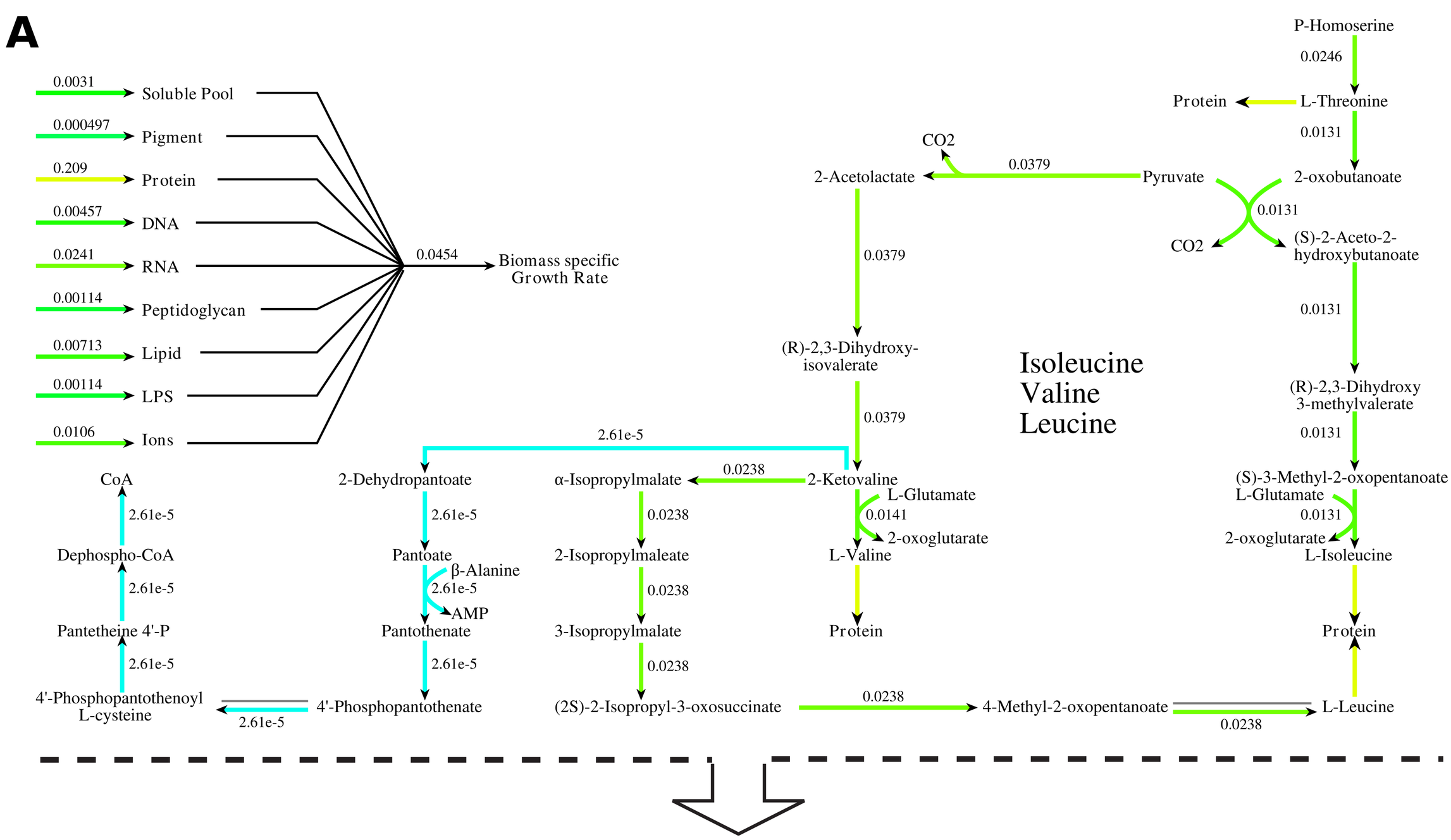

Figure S2: The addition of a biofuel pathway to the *Synechocystis* map. (A) Results of an FBA, optimizing for biomass production. This figure also illustrates that the total flux towards biomass is split into nine different components. (B) After the additional reactions were inserted in the map, we performed another FBA in which biomass production was fixed at 10% of the original optimum. Then, we optimized for 23BD production.