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Supplementary Material

Cloning, functional characterisation and transgenic manipulation of vitamin E biosynthesis genes of wheat

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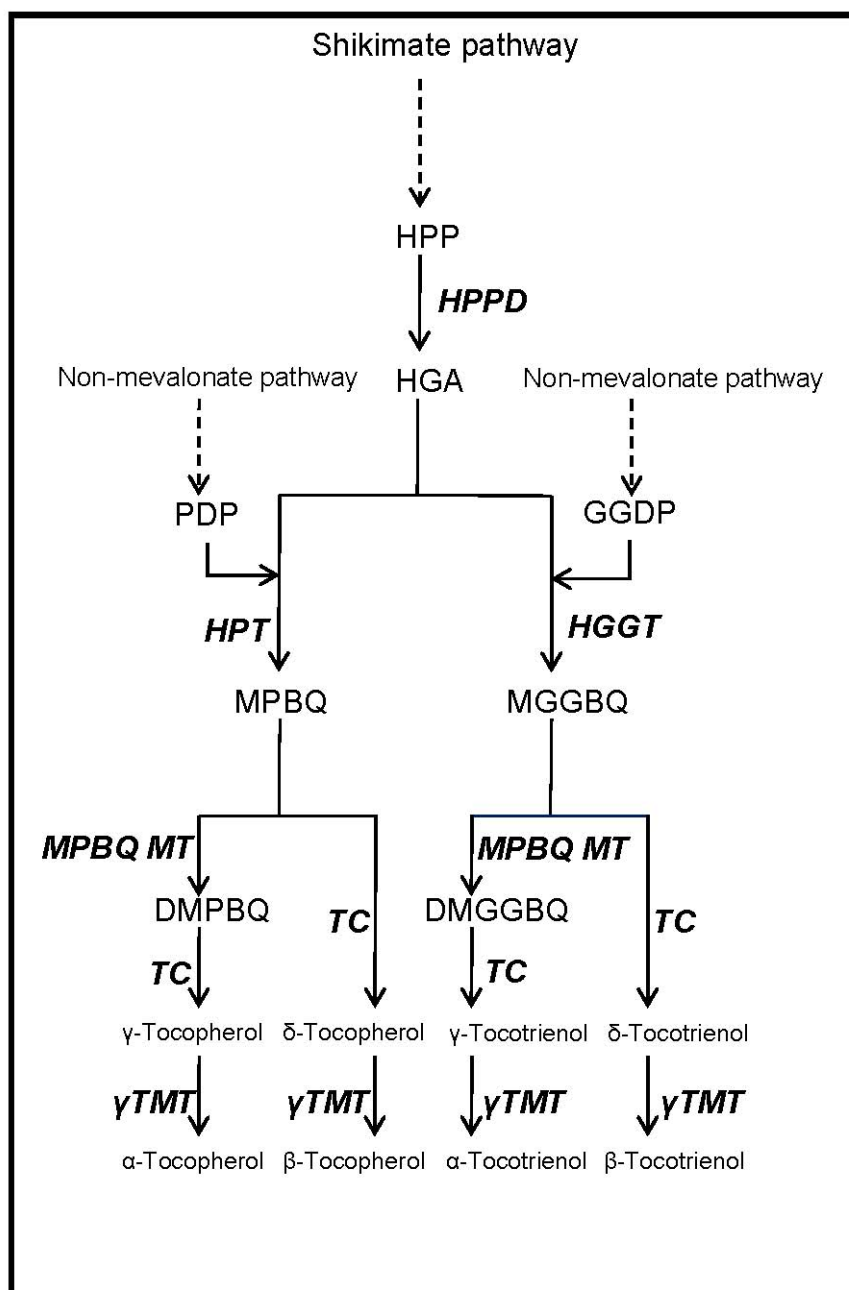


Fig. S1. Vitamin E or tocopherol biosynthesis pathway. DMPBQ, 2,3-dimethyl-6-phytyl-1,4-benzoquinol; DMGGBQ, 2,3-Dimethyl-5-geranylgeranyl-benzoquinol; GGDP, geranylgeranyldiphosphate; HGA, homogentisate; HGGT, homogentisate geranylgeranyl transferase; HPP, hydroxyphenylpyruvate; HPPD, hydroxyphenylpyruvate dioxygenase; HPT, homogentisate phytyltransferase; MGGBQ, 2-Methyl-6-geranylgeranyl-benzoquinol; MPBQ, 2-methyl-6-phytyl-1,4-benzoquinol; MPBQ-MT, 2-methyl-6-phytyl-1,4-benzoquinol methyltransferase; PDP, phytyldiphosphate; TC, Tocopherol cyclase; γ TMT, γ -tocopherol methyltransferase.