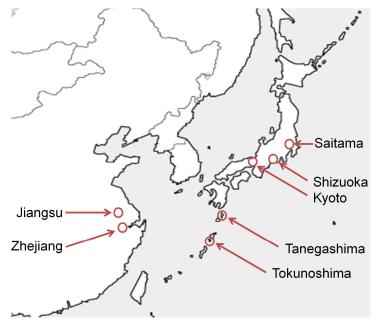
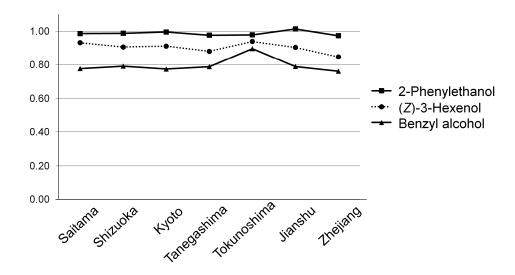


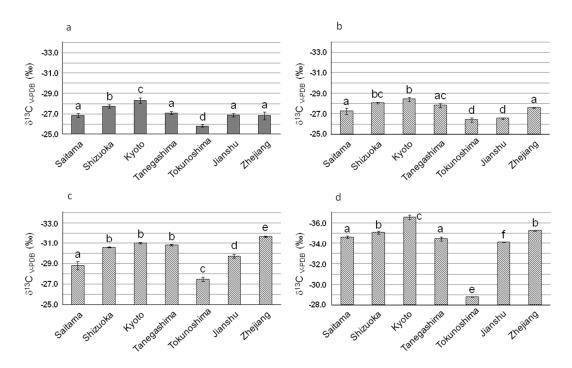
Supporting Information 1. HPLC profile of 2-phenylethyl β -primeveroside and fractionation. For conditions, see text.



Supporting Information 2. Seven green tea production areas.



Supporting Information 3. The values of $[\delta^{13}C \text{ of Bulk}]/[\delta^{13}C \text{ of volatile compound}]$ in several areas.



Supporting Information 4. Results from (a) bulk analysis and compound-specific isotope analysis of (b) 2-phenylethanol, (c) (*Z*)-3-hexenol, and (d) benzyl alcohol (P < 0.05; Ryan's method). The significance of the differences between $\delta^{13}C$ values were checked using Ryan's method for multiple comparisons. Data are the means $\delta^{13}C \pm SD$; n=5 for bulk analysis and n=3 for compound-specific isotope analysis.