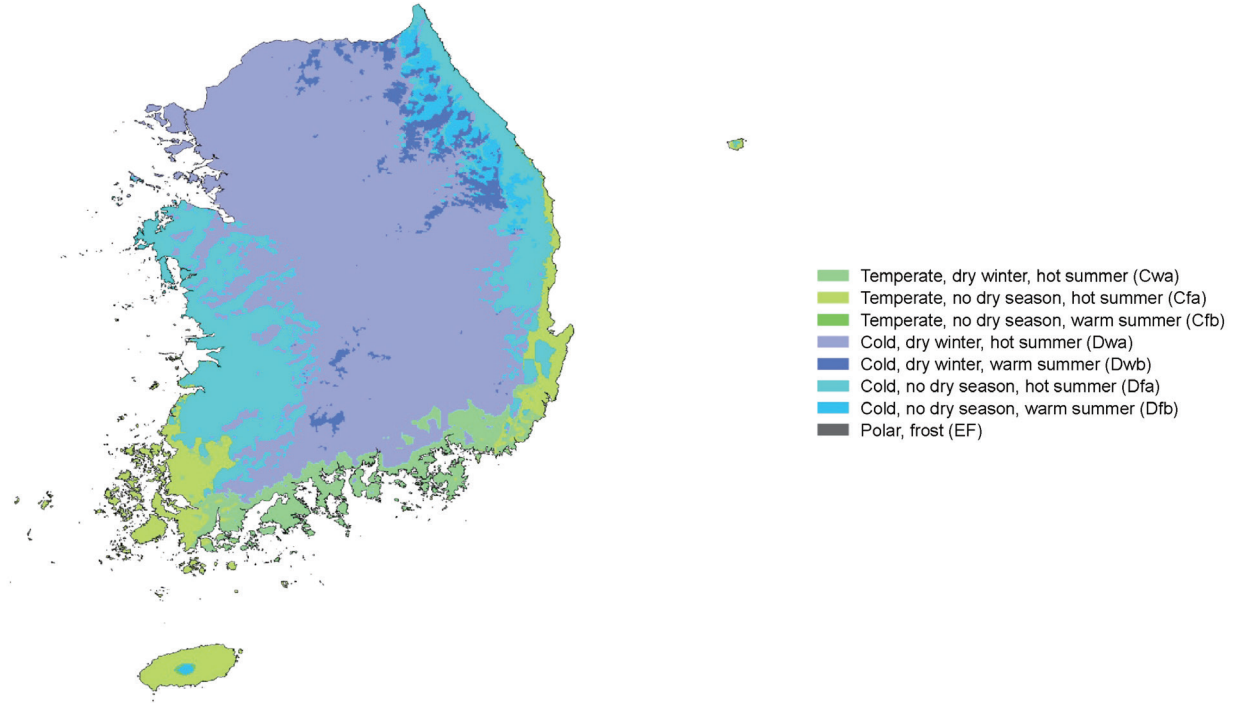


Supplementary Fig. S1. World climate distribution map based on the Köppen–Geiger classification (1980-2016). Af: equatorial climate; Am: monsoon climate; Aw: tropical savanna climate; BWh: warm desert climate; BWk: cold desert climate; BSh: warm semi-arid climate; BSk: cold semi-arid climate; Csa: warm mediterranean climate; Csb: temperate mediterranean climate; Cwa: humid subtropical climate; Cwb: humid subtropical climate/subtropical oceanic highland climate; Cwc: oceanic subpolar climate; Cfa: warm oceanic climate/humid subtropical climate; Cfb: temperate oceanic climate; Cfc: cool oceanic climate; Dsa: warm continental climate/mediterranean continental climate; Dsb: temperate continental climate/mediterranean continental climate; Dsc: cool continental climate; Dsd: cold continental climate; Dwa: warm continental climate/humid continental climate; Dwb: temperate continental climate/humid continental climate; Dwc: cool continental climate/subarctic climate; Dwd: cold continental climate/subarctic climate; Dfa: warm continental climate/humid continental climate; Dfb: temperate continental climate/humid continental climate; Dfc: cool continental climate/subarctic climate; Dfd: cold continental climate/subarctic climate; ET: tundra climate; EF: ice cap climate [18].



Supplementary Fig. S2. Köppen–Geiger climate classification maps for Korea (1980-2016) [18].