

Supplementary Material

Table 1. Translation of plant functional types from CLM-CASA' to CABLE biomes

CLM-CASA' PFT	CABLE-compatible biome
needleleaf evergreen temperate tree	evergreen needleleaf forest
needleleaf evergreen boreal tree	evergreen needleleaf forest
needleleaf deciduous boreal tree	deciduous needleleaf forest
broadleaf evergreen tropical tree	evergreen broadleaf forest
broadleaf evergreen temperate tree	evergreen broadleaf forest
broadleaf deciduous tropical tree	deciduous broadleaf forest
broadleaf deciduous temperate tree	deciduous broadleaf forest
broadleaf deciduous boreal tree	deciduous broadleaf forest
broadleaf evergreen shrub	shrubland
broadleaf deciduous temperate shrub	shrubland
broadleaf deciduous boreal shrub	shrubland
c3 arctic grass	tundra
c3 non-arctic grass	c3 grassland
c4 grass	c4 grassland