## Arena orgdat = data.framespecs = listmedia = listphenotypes = listmediac = characteroccmat = Matrixtstep = numericstir = logicaln = integerm = integeraddOrg() addSubs() changeSub() changeOrg() checkPhen() simulate() stirEnv() dat2mat() Eval medlist = listsimlist = listsubchange = numericaddEval() evalArena() getArena() extractMed() plotCurves() getPhenoMat() minePheno()

## Substance smax = numericdiffmat = Matrixname = characterdifunc = characterdifspeed = numericdiffuseR() diffuseCpp()

Bac

speed = integer

budge = logical

growth()

budging()

simBac()

chemotaxis()

move()

chem = character

