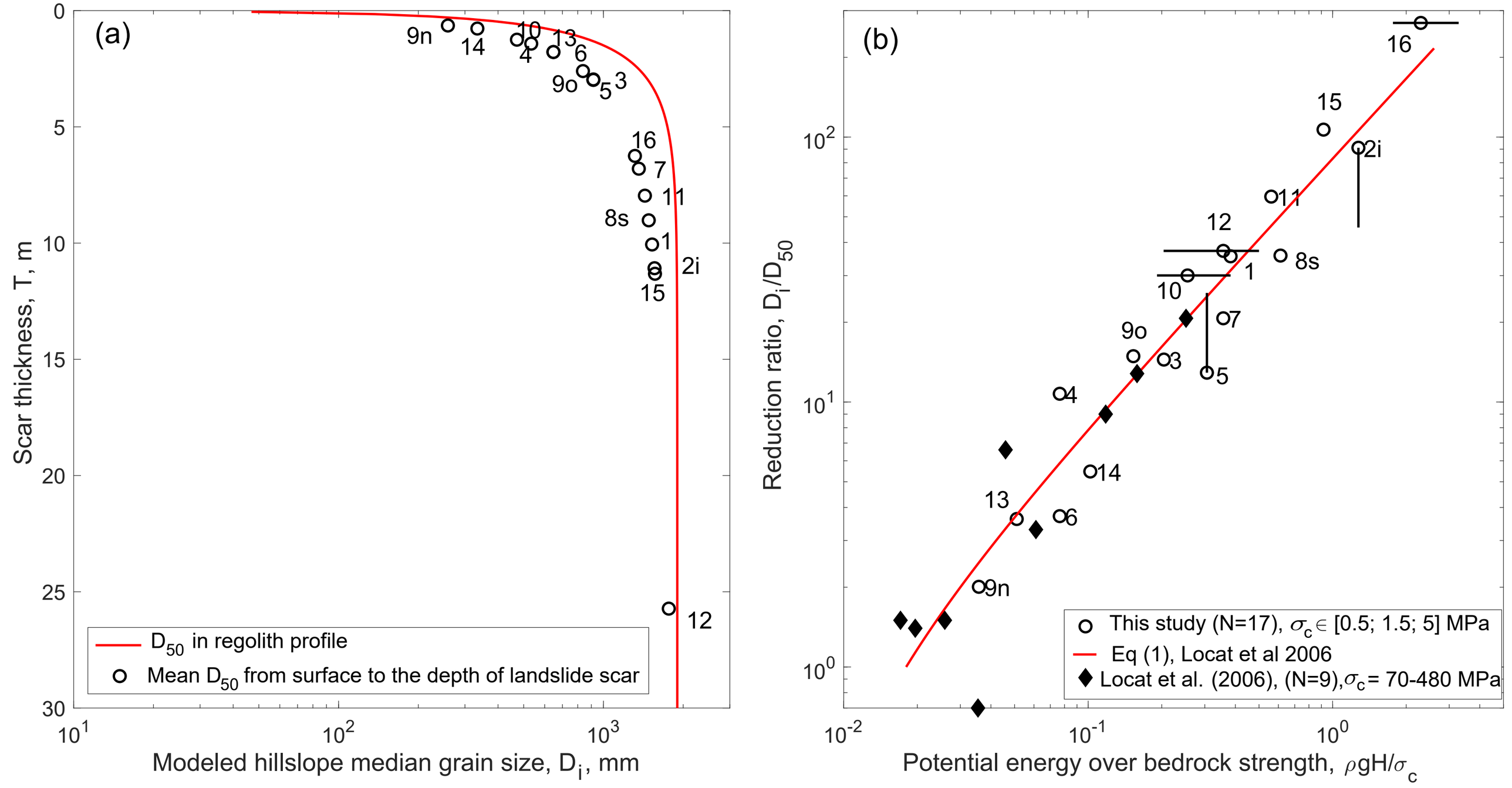
(a)
Scar thickness, T, m
Modeled hillslope median grain size, D_i, mm
D_{50} in regolith profile
Mean D_{50} from surface to the depth of landslide scar
(b)
Reduction ratio, D_i/D_{50}
Potential energy over bedrock strength, $\rho gH/\sigma_c$
This study (N=17), $\sigma_c \in$ [0.5; 1.5; 5] MPa
Eq (1), Locat et al 2006
Locat et al. (2006), (N=9), σ_c= 70-480 MPa