



**FIGURE 15-14** The fakir method applied to the estimation of the area of exposed surface of mesophyll cells in barley leaf using the FAKIR program. Four serial optical sections  $2\ \mu\text{m}$  apart are shown. The test lines of the fakir probe piercing the mesophyll cells are green at the beginning of the measurement (*a*). The violet points denote the intersection points between the test lines and the current section. As soon as such a point comes into contact with the cell wall during focusing-through, it is marked by a mouse as a red point and the part of the test line above this point becomes red (*b, d*). The scale bar represents  $10\ \mu\text{m}$ .