Fig. 1. Graph showing 6 possible scenarios of staining foraminiferal cells with SiR-actin. A-C shows hypothetical scenarios of specific staining: A illustrates a scenario in which SiR-actin stains actin filaments in the interior of vesicles (e.g. Fibrillar Vesicles); B SiR-actin labels actin filaments surrounding vesicles possibly related to movement of these vesicles (e.g. facilitating endocytosis or corresponding to elliptical fussy-coated vesicles). C assumes that actin filaments (stained with SiR-actin) are both inside and outside vesicles. D-E illustrate potential staining artifacts. In those scenarios SiR-actin does not label physiologically active actin filaments in granules in foraminifera (ipso facto observed Actin Labelled Granules consist artifacts), incl. unspecific labelling of some proteins inside (D) or outside (E) of vesicular structures, or (F) SiR-actin induction of F-actin polymerisation.