Supplemental Fig. 1. Patterns of proteins in intact (A, B and C) and excised (D, E and F) rice coleoptile tips before and after 72 h in anoxia. Data are Coomassie blue G-250-stained proteins (600 µg per gel) separated by two-dimensional IEF/SDS–PAGE. Tips excised from intact coleoptiles after: A, 72 h in aeration after imbibition; B, 48 h in aeration +16 h in hypoxia; C, 48 h in aeration +16 h in hypoxia +72 h in anoxia. Excised coleoptile tips exposed to treatments; D, 48 h in aeration +16 h in hypoxia +5 h in hypoxia (after excision); E, 48 h in aeration +16 h in hypoxia +5 h in hypoxia (after excision) +72 h in anoxia (with 1 mM glucose); F, 48 h in aeration +16 h in hypoxia +5 h in hypoxia (after excision) +72 h in anoxia (with 50 mM glucose).
Supplemental FIG. 2. Changes in pattern of de novo protein synthesis labelled with $^{[35}\text{S}]$methionine in excised rice coleoptile tips in aeration or anoxia. Data are proteins (300 µg per gel) separated by two-dimensional IEF/SDS–PAGE and exposed for 3 d to an image plate. Seedlings were germinated and grown for 48 h in aerated solution (0.25 mol m$^{-3}$ O$_2$), then pre-treated with 0.028 mol m$^{-3}$ O$_2$ for 16 h prior to excision of the 7–11 mm tips of coleoptiles. Excised coleoptiles were ‘healed’ for 5 h in hypoxia (0.028 mol m$^{-3}$ O$_2$) prior to treatments. A, 0–4 h in aeration at 50 mM glucose; B, 0–4 h in anoxia at 50 mM glucose; C, 0–4 h in anoxia at 1 mM glucose; D, 20–24 h in anoxia at 50 mM glucose; E, 20–24 h in anoxia at 1 mM glucose; F, 68–72 h in anoxia at 50 mM glucose; G, 68–72 h at 1 mM glucose.