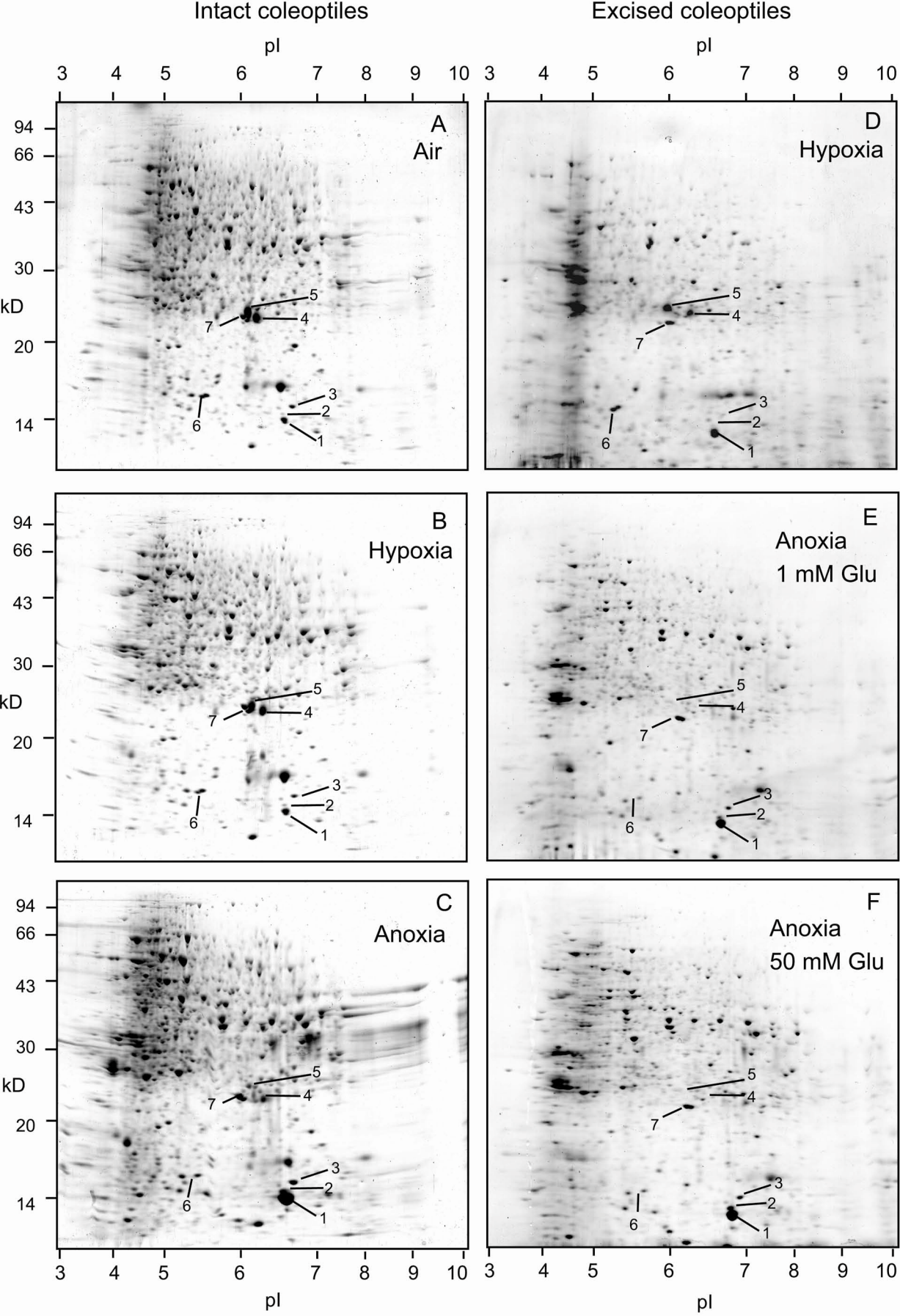
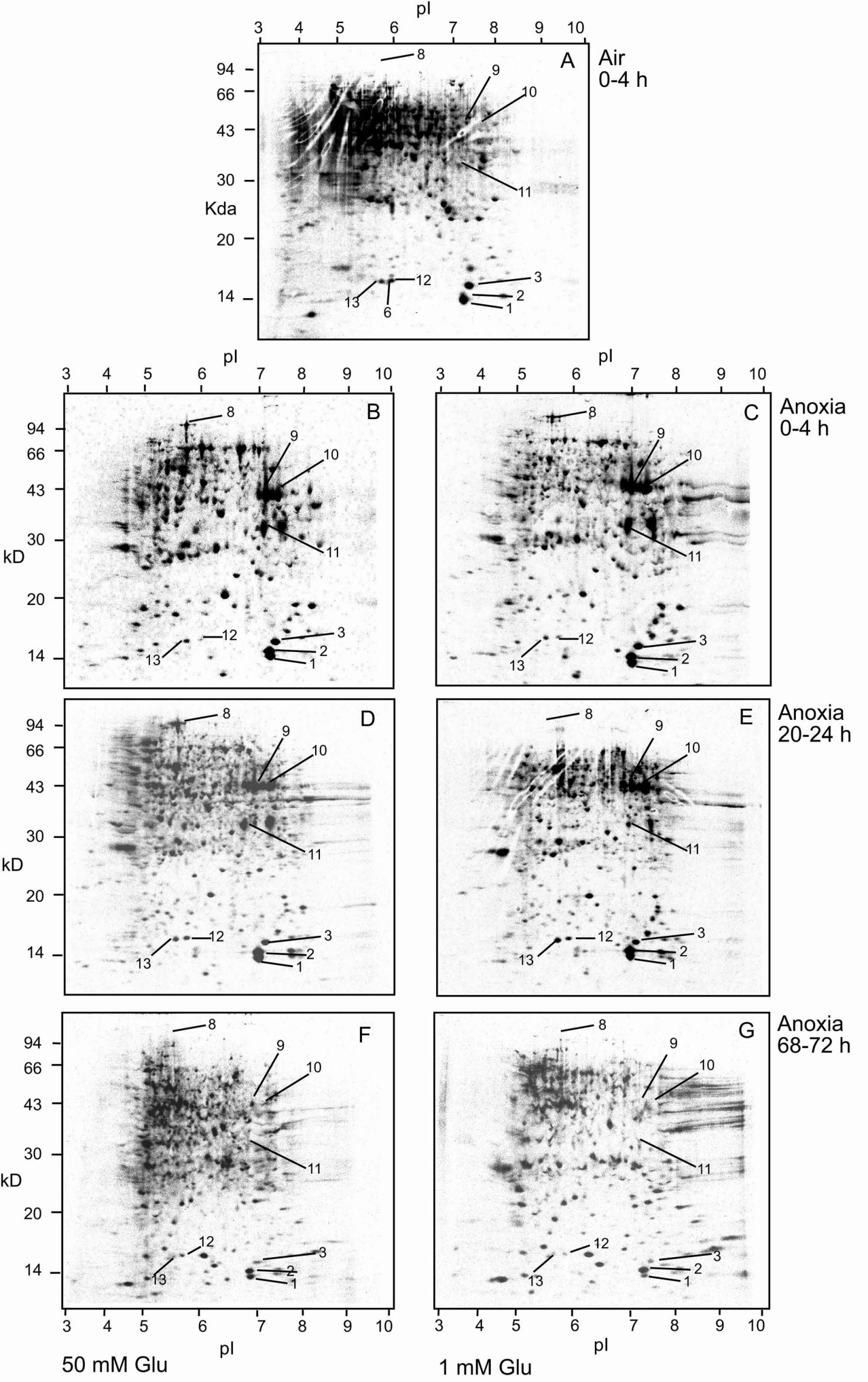


Supplementary Figure 1

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).



Supplemetary Figure 2

Supplemental FIG. 2. Changes in pattern of *de novo* protein synthesis labelled with [^{35}S]methonine 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.