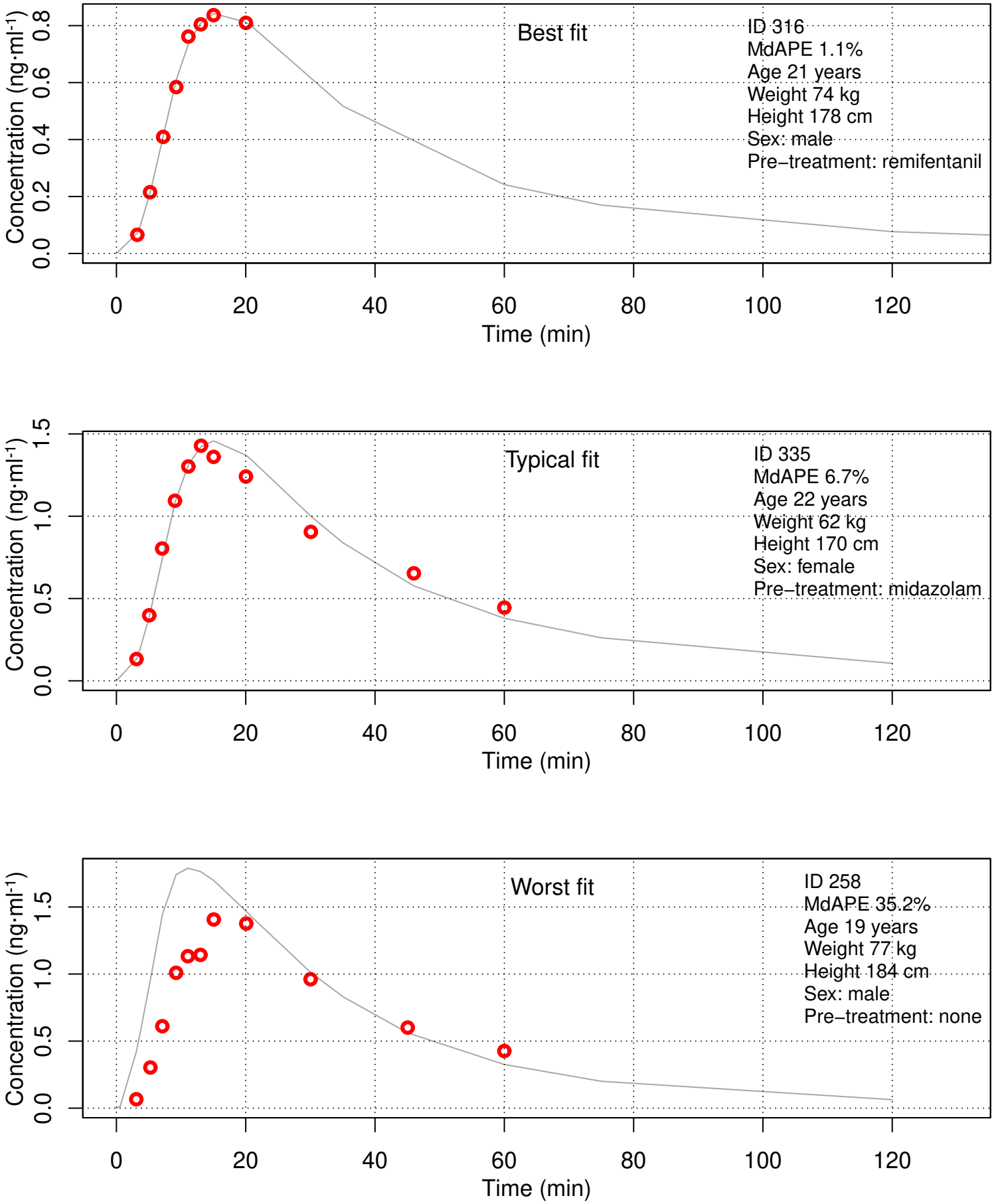CPM−acid, arterial samples